

**Updated on 02 July 2009**

| Freq<br>(GHz)              | Pol | Beam   | Channel                           | Analogue |     | Audio | MHz      | Text  | Access                               | Lang.          |
|----------------------------|-----|--------|-----------------------------------|----------|-----|-------|----------|---|--------------------------------------|----------------|
|                            |     |        |                                   | Digital  | FEC | MSy/s |          |   |                                      |                |
| <b>HOT BIRD™ (13°EAST)</b> |     |        |                                   |          |     |       |          |   |                                      |                |
| D 10.719                   | V   | Europe | <u>Cyfra +</u>                    | package  | DVB | 3/4   | 27.500   | Mediaguard 2/Nagravision 2/Nagravision 3/Viaccess 3.0 |                                      |                |
|                            |     |        | 4 Fun TV                          | TV       | DVB | 3/4   | Y 27.500 |   |                                      | Polish         |
|                            |     |        | HBO Comedy Polska                 | TV       | DVB | 3/4   | Y 27.500 | Mediaguard 2/Nagravision 3                            |                                      | Polish         |
|                            |     |        | HBO 2 Polska                      | TV       | DVB | 3/4   | Y 27.500 | Mediaguard 2/Nagravision 3                            |                                      | Polish         |
|                            |     |        | Hallmark Channel Polska           | TV       | DVB | 3/4   | 27.500   | Mediaguard 2  |                                      | Polish         |
|                            |     |        | HBO Polska                        | TV       | DVB | 3/4   | Y 27.500 | Mediaguard 2/Nagravision 3                            |                                      | Polish         |
|                            |     |        | Canal + Sport 2 Polska            | TV       | DVB | 3/4   | Y 27.500 | Mediaguard 2  |                                      | Polish         |
|                            |     |        | Patio TV                          | TV       | DVB | 3/4   | 27.500   |   |                                      | Polish         |
|                            |     |        | MiniMini                          | TV       | DVB | 3/4   | 27.500   | Mediaguard 2  |                                      | Polish         |
|                            |     |        | Orange Sport Polska               | TV       | DVB | 3/4   | 27.500   | Mediaguard 2/Viaccess 3.0                             |                                      | Polish         |
|                            |     |        | Movies 24 Eastern Europe          | TV       | DVB | 3/4   | 27.500   | Mediaguard 2  |                                      | Polish,English |
|                            |     |        | Planete Polska                    | TV       | DVB | 3/4   | 27.500   | Mediaguard 2  |                                      | Polish         |
| D 10.723                   | H   | Europe | <u>Arqiva</u>                     | package  | DVB | 3/4   | 29.900   |   |                                      |                |
|                            |     |        | MTA International                 | TV       | DVB | 3/4   | 29.900   |   | English,French,German,Arabic,Bengali |                |
|                            |     |        | RTP Internacional Europa          | TV       | DVB | 3/4   | Y 29.900 |   |                                      | Portuguese     |
|                            |     |        | Ariana Afghanistan TV             | TV       | DVB | 3/4   | 29.900   |   |                                      |                |
|                            |     |        | Jetix Central & Eastern Europe    | TV       | DVB | 3/4   | 29.900   | Cryptoworks   | Russian,Romanian,English,Bulgarian   |                |
|                            |     |        | Deepam TV                         | TV       | DVB | 3/4   | 29.900   |   |                                      | Tamil          |
|                            |     |        | Buzz TV                           | TV       | DVB | 3/4   | 29.900   |   |                                      | English        |
|                            |     |        | Lady Channel                      | TV       | DVB | 3/4   | 29.900   |   |                                      | Italian        |
|                            |     |        | RTB International                 | TV       | DVB | 3/4   | 29.900   |   |                                      | Italian        |
|                            |     |        | Andisheh TV                       | TV       | DVB | 3/4   | 29.900   |   |                                      | Farsi          |
|                            |     |        | Global Tamil Vision Europe        | TV       | DVB | 3/4   | 29.900   |   |                                      | Tamil          |
|                            |     |        | Ant 1 Europe                      | TV       | DVB | 3/4   | 29.900   | Irdeto 2/Viaccess 2.5                                 |                                      | Greek          |
|                            |     |        | RDP Antena 1                      | radio    | DVB | 3/4   | 29.900   |   |                                      | Portuguese     |
|                            |     |        | RDP Internacional                 | radio    | DVB | 3/4   | 29.900   |   |                                      | Portuguese     |
|                            |     |        | NPR Worldwide                     | radio    | DVB | 3/4   | 29.900   |   |                                      | English        |
| D 10.775                   | H   | Europe | <u>American Forces Network</u>    | package  | DVB | 3/4   | 28.000   | PowerVu   |                                      |                |
|                            |     |        | AFN Prime Atlantic Eifel          | TV       | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN Prime Atlantic Benelux        | TV       | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN Prime Atlantic Heidelberg     | TV       | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN Prime Atlantic Hessen         | TV       | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN Prime Pacific                 | TV       | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN Spectrum                      | TV       | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN Prime Atlantic                | TV       | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN Prime Atlantic Bavaria        | TV       | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN Prime Atlantic Kaiserslautern | TV       | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN Guide                         | TV       | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN Sports                        | TV       | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN Prime Atlantic Franconia      | TV       | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | The Contingency Channel           | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | Mainstream Country                | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | Oldies Radio                      | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | Hard Rock                         | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | The Touch                         | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | NPR Worldwide AFRTS               | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | Adult Rock & Roll                 | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN Power Network Europe          | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | Bright AC                         | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | ESPN Plus                         | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | Fox Sports Plus                   | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN Power Network Bavaria         | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN The Eagle Bavaria             | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | AFN News Radio                    | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | The Eagle Europe                  | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |
|                            |     |        | Freedom Radio                     | radio    | DVB | 3/4   | 28.000   | PowerVu   |                                      | English        |

| Freq<br>(GHz) | Pol | Beam   | Channel                                  | Analogue Audio MHz |     | Text<br>MSy/s | Access                            | Lang.                    |
|---------------|-----|--------|--|--------------------|-----|---------------|-----------------------------------|--------------------------|
|               |     |        |  | Digital            | FEC |               |                                   |                          |
|               |     |        | AFN Interruptable Voice                  | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
|               |     |        | Hot AC                                   | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
|               |     |        | AFN Power Network Eifel                  | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
|               |     |        | Eifel 105                                | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
|               |     |        | AFN Uninterruptable Voice                | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
|               |     |        | AFN The Eagle Benelux                    | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
|               |     |        | AFN The Eagle Franconia                  | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
|               |     |        | AFN Power Network Heidelberg             | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
|               |     |        | AFN The Eagle Heidelberg                 | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
|               |     |        | AFN Power Network<br>Kaiserslautern      | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
|               |     |        | AFN The Eagle 100.2 FM<br>Kaiserslautern | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
|               |     |        | AFN Power Network Hessen                 | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
|               |     |        | AFN The Eagle Hessen                     | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
|               |     |        | AFN Power Network Franconia              | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
|               |     |        | AFN Power Network Benelux                | radio              | DVB | 3/4           | 28.000 PowerVu                    | English                  |
| D 10.796      | V   | Europe | Cyfra +                                  | package            | DVB | 3/4           | 27.500 Mediaguard 2/Nagravision 3 |                          |
|               |     |        | Polonia 1                                | TV                 | DVB | 3/4           | Y 27.500                          | Polish                   |
|               |     |        | Cyfra + VOD                              | TV                 | DVB | 3/4           | 27.500 Mediaguard 2               | Polish,Polish            |
|               |     |        | National Geographic Channel<br>Polska    | TV                 | DVB | 3/4           | 27.500 Mediaguard 2               | Polish,Hungarian,English |
|               |     |        | MTV Two                                  | TV                 | DVB | 3/4           | 27.500 Mediaguard 2               | English                  |
|               |     |        | Edusat                                   | TV                 | DVB | 3/4           | 27.500                            | Polish                   |
|               |     |        | Tele 5                                   | TV                 | DVB | 3/4           | Y 27.500                          | Polish                   |
|               |     |        | Discovery World Polska                   | TV                 | DVB | 3/4           | 27.500 Mediaguard 2/Nagravision 3 | Polish                   |
|               |     |        | Discovery Science Channel<br>Polska      | TV                 | DVB | 3/4           | 27.500 Mediaguard 2/Nagravision 3 | Polish                   |
|               |     |        | Discovery Travel & Living Europe         | TV                 | DVB | 3/4           | 27.500 Mediaguard 2               | Polish                   |
|               |     |        | Alternatywa                              | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Hity lat 90                              | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Nowe stare hity                          | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Jeszcze raz                              | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Chillout                                 | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Hity Dyskoteki                           | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Bass Breaks and Beats                    | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Muzyka Turecka                           | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Rytmy na Okraglo                         | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Wieczorne Party                          | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Metal                                    | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Era Rock'n'Rolla                         | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Klasyczny Rock                           | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Niezalezna Klasyka                       | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Hymny Rocka                              | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | R'n'B & Soul                             | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Hip Hop                                  | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Reggae                                   | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Blues                                    | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Hity lat 80                              | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Urban                                    | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Niemecki Rock                            | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | New Age                                  | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Klasyka Nastrojowa                       | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Hity lat 70                              | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Country                                  | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Hity Bollywood                           | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Swiat karnawalu                          | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Piosenka Francuska                       | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Współczesny Pop                          | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Hity Francuskie                          | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Hity Wloskie                             | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Cool Jazz                                | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Hity Hiszpańskie                         | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Hity Brytyjskie                          | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Disco & Funk                             | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Arcydziela Klasyki                       | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Muzyka Symfoniczna                       | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Muzyka Arabska                           | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Klasyka Jazzu                            | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Dzis o milosci                           | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |
|               |     |        | Rozmaitosci                              | radio              | DVB | 3/4           | 27.500 Mediaguard 2               |                          |

| Freq (GHz) | Pol | Beam   | Channel                          | Analogue |        | Audio MHz      | Text MSy/s | Access   | Lang.         |
|------------|-----|--------|----------------------------------|----------|--------|----------------|------------|--|---------------|
|            |     |        |                                  | Digital  | FEC    |                |            |  |               |
| A 10.813   | H   | Europe | Duna I                           | TV       | PAL    | 6.50,7.02/7.20 | Y          |  | Hungarian     |
| A 10.813   | H   | Europe | MR 1 Kossuth                     | radio    | PAL    | 7.38           |            |  | Hungarian     |
| A 10.813   | H   | Europe | MR 2 Petöfi                      | radio    | PAL    | 7.74           |            |  | Hungarian     |
| A 10.813   | H   | Europe | MR 4 Nemzetiségi adások          | radio    | PAL    | 7.92           |            |  | Hungarian     |
| D 10.834   | V   | Europe | <u>N</u>                         | package  | DVB-S2 | 2/3            | 27.500     | Conax  |               |
|            |     |        | KidsCo East Europe               | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
|            |     |        | HBO Comedy Polska                | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
|            |     |        | HBO 2 Polska                     | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
|            |     |        | HBO Polska                       | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
|            |     |        | Eska TV                          | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
|            |     |        | AXN Crime                        | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
|            |     |        | Movies 24 Eastern Europe         | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
|            |     |        | Discovery Travel & Living Europe | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
|            |     |        | Discovery Historia               | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
|            |     |        | AXN Sci-Fi Polska                | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
|            |     |        | Discovery Channel Polska         | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
|            |     |        | Discovery World Polska           | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
|            |     |        | Animal Planet Europe             | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
|            |     |        | Discovery Science Channel Polska | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
|            |     |        | Kino Polska                      | TV       | DVB-S2 | 2/3            | 27.500     | Conax  | Polish        |
| D 10.853   | H   | Europe | <u>Media Broadcast</u>           | package  | DVB    | 3/4            | 27.500     |  |               |
|            |     |        | French Lover TV                  | TV       | DVB    | 3/4            | 27.500     | Irdeto 2/Viaccess 2.6                                  |               |
|            |     |        | Alo TV                           | TV       | DVB    | 3/4            | 27.500     |  | Turkish       |
|            |     |        | TV Market                        | TV       | DVB    | 3/4            | 27.500     |  |               |
|            |     |        | IFM promo                        | TV       | DVB    | 3/4            | 27.500     |  |               |
|            |     |        | Iran MNTV                        | TV       | DVB    | 3/4            | 27.500     |  |               |
|            |     |        | DM Digital Arabia                | TV       | DVB    | 3/4            | 27.500     |  | Arabic        |
|            |     |        | X-Dream TV                       | TV       | DVB    | 3/4            | 27.500     | Irdeto 2/KeyFly/Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |               |
|            |     |        | Suryoyo Sat                      | TV       | DVB    | 3/4            | 27.500     |  |               |
|            |     |        | Jay Jay TV promo                 | TV       | DVB    | 3/4            | 27.500     |  | German        |
|            |     |        | Arab Girls                       | TV       | DVB    | 3/4            | 27.500     |  | Arabic        |
|            |     |        | ArabSexClub                      | TV       | DVB    | 3/4            | 27.500     |  | Arabic        |
|            |     |        | Ta3arees                         | TV       | DVB    | 3/4            | 27.500     |  | Arabic        |
|            |     |        | Fatayat 7'armanat                | TV       | DVB    | 3/4            | 27.500     |  |               |
|            |     |        | Sexy Arab                        | TV       | DVB    | 3/4            | 27.500     |  | Arabic        |
|            |     |        | Supreme Master TV                | TV       | DVB    | 3/4            | 27.500     |  | English       |
|            |     |        | Eurotic TV                       | TV       | DVB    | 3/4            | 27.500     |  | German        |
|            |     |        | Jay Jay FM                       | radio    | DVB    | 3/4            | 27.500     |  | German        |
|            |     |        | Jay Jay FM                       | radio    | DVB    | 3/4            | 27.500     |  | German        |
| D 10.873   | V   | Europe | <u>SNRT</u>                      | package  | DVB    | 3/4            | 27.500     |  |               |
|            |     |        | Al Aoula Maroc                   | TV       | DVB    | 3/4            | 27.500     | BISS   | Arabic        |
|            |     |        | Arryadia 2                       | TV       | DVB    | 3/4            | 27.500     | BISS   | Arabic        |
|            |     |        | Arryadia                         | TV       | DVB    | 3/4            | 27.500     |  | Arabic        |
|            |     |        | Medi 1 Sat                       | TV       | DVB    | 3/4            | 27.500     |  | French        |
|            |     |        | Assadissa                        | TV       | DVB    | 3/4            | 27.500     |  | Arabic        |
|            |     |        | Al Aoula Europe                  | TV       | DVB    | 3/4            | 27.500     |  | Arabic        |
|            |     |        | Arrabiä                          | TV       | DVB    | 3/4            | 27.500     |  | Arabic        |
|            |     |        | Al Aoula Middle East             | TV       | DVB    | 3/4            | 27.500     |  | Arabic        |
|            |     |        | Al Maghribya                     | TV       | DVB    | 3/4            | 27.500     |  | Arabic        |
|            |     |        | Radio Fes                        | radio    | DVB    | 3/4            | 27.500     |  |               |
|            |     |        | Radio Régional de Dakhla         | radio    | DVB    | 3/4            | 27.500     |  |               |
|            |     |        | Chaîne Mohamed VI du Saint Coran | radio    | DVB    | 3/4            | 27.500     |  | Arabic        |
|            |     |        | Medi 1 Radio                     | radio    | DVB    | 3/4            | 27.500     |  | French        |
|            |     |        | Chaîne Nationale                 | radio    | DVB    | 3/4            | 27.500     |  | Arabic        |
|            |     |        | Rabat Chaîne Inter               | radio    | DVB    | 3/4            | 27.500     |  |               |
|            |     |        | Chaîne Mohamed VI du Saint Coran | radio    | DVB    | 3/4            | 27.500     |  | Arabic        |
|            |     |        | Chaîne Amazigh                   | radio    | DVB    | 3/4            | 27.500     |  |               |
| D 10.892   | H   | Europe | <u>Cyfra +</u>                   | package  | DVB    | 3/4            | 27.500     | Conax/Mediaguard 2/Viaccess 3.0                        |               |
|            |     |        | Canal + Film                     | TV       | DVB    | 3/4            | Y 27.500   | Mediaguard 2/Viaccess 3.0                              | Polish,Polish |
|            |     |        | Kuchnia TV                       | TV       | DVB    | 3/4            | 27.500     | Mediaguard 2   | Polish        |
|            |     |        | TVP 2                            | TV       | DVB    | 3/4            | Y 27.500   | Conax/Mediaguard 2/Viaccess 3.0                        | Polish        |
|            |     |        | Ale Kino!                        | TV       | DVB    | 3/4            | Y 27.500   | Mediaguard 2   | Polish        |
|            |     |        | Canal + Polska                   | TV       | DVB    | 3/4            | Y 27.500   | Mediaguard 2/Viaccess 3.0                              | Polish        |
|            |     |        | ZigZap                           | TV       | DVB    | 3/4            | 27.500     | Mediaguard 2   | Polish        |
|            |     |        | TVP 1                            | TV       | DVB    | 3/4            | Y 27.500   | Conax/Mediaguard 2/Viaccess 3.0                        | Polish,Polish |
|            |     |        | Domo                             | TV       | DVB    | 3/4            | 27.500     | Mediaguard 2   | Polish        |
|            |     |        | Canal + Sport Polska             | TV       | DVB    | 3/4            | Y 27.500   | Mediaguard 2/Viaccess 3.0                              | Polish        |

| Freq<br>(GHz)               | Pol     | Beam   | Channel                                | Analogue  |  | Audio MHz                           | Text   | Access                                    | Lang.                             |
|-----------------------------|---------|--------|--|-----------|--|-------------------------------------|--------|---|-----------------------------------|
|                             |         |        |  | Digital   | FEC  | MSy/s                               |        |   |                                   |
| D 10.930                    | H       | Europe | Hyper                                  | TV        | DVB  | 3/4                                 | 27.500 | Mediaguard 2                              | Polish                            |
|                             |         |        | RMF Maxxx                              | radio     | DVB  | 3/4                                 | 27.500 | Mediaguard 2                              | Polish                            |
|                             |         |        | Polskie Radio Dwójka                   | radio     | DVB  | 3/4                                 | 27.500 |   | Polish                            |
|                             |         |        | Radio Jasna Góra                       | radio     | DVB  | 3/4                                 | 27.500 |   | Polish                            |
|                             |         |        | RMF Classic                            | radio     | DVB  | 3/4                                 | 27.500 | Mediaguard 2                              | Polish                            |
|                             |         |        | RMF FM                                 | radio     | DVB  | 3/4                                 | 27.500 | Mediaguard 2                              | Polish                            |
|                             |         |        | Anty Radio                             | radio     | DVB  | 3/4                                 | 27.500 | Mediaguard 2                              | Polish                            |
|                             |         |        | Radio PIN                              | radio     | DVB  | 3/4                                 | 27.500 | Mediaguard 2                              | Polish                            |
|                             |         |        | Radio Zet                              | radio     | DVB  | 3/4                                 | 27.500 | Mediaguard 2                              | Polish                            |
|                             |         |        | Planeta FM                             | radio     | DVB  | 3/4                                 | 27.500 | Mediaguard 2                              | Polish                            |
|                             |         |        | Tok FM                                 | radio     | DVB  | 3/4                                 | 27.500 | Mediaguard 2                              | Polish                            |
|                             |         |        | Jazz Radio                             | radio     | DVB  | 3/4                                 | 27.500 | Mediaguard 2                              | Polish                            |
|                             |         |        | Polskie Radio Trójka                   | radio     | DVB  | 3/4                                 | 27.500 |   | Polish                            |
|                             |         |        | Polskie Radio Jedyńka                  | radio     | DVB  | 3/4                                 | 27.500 |   | Polish                            |
|                             |         |        | Polskie Radio Euro                     | radio     | DVB  | 3/4                                 | 27.500 |   | Polish                            |
|                             |         |        | Polskie Radio dla zagranicy            | radio     | DVB  | 3/4                                 | 27.500 |   | Polish                            |
|                             |         |        | <u>Nova</u>                            | package   | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  |                                   |
|                             |         |        | Mad Greekz                             | TV        | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | Greek                             |
|                             |         |        | Animal Planet Greece                   | TV        | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | English                           |
|                             |         |        | Novacinema 2                           | TV        | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | Greek                             |
|                             |         |        | Novasports 3                           | TV        | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | Greek                             |
|                             |         |        | National Geographic Channel<br>România | TV        | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | English                           |
|                             |         |        | MTV Greece                             | TV        | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | Greek                             |
|                             |         |        | The MGM Channel East Europe            | TV        | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | English                           |
|                             |         |        | VH1 Europe A                           | TV        | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | English                           |
|                             |         |        | Novacinema 1 Cyprus                    | TV        | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | Greek                             |
|                             |         |        | Summer Cinema                          | TV        | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | Greek                             |
|                             |         |        | Travel Channel                         | TV        | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | English                           |
|                             |         |        | Real FM                                | radio     | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | Greek                             |
|                             |         |        | NovaSpor FM                            | radio     | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | Greek                             |
|                             |         |        | Sentra FM                              | radio     | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | Greek                             |
|                             |         |        | City 99.5                              | radio     | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  | Greek                             |
|                             |         |        | Novascope                              | interacti | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  |                                   |
|                             |         |        | Nova programma                         | interacti | DVB  | 3/4                                 | 27.500 | Irdeto 2                                  |                                   |
|                             |         |        | <u>GlobeCast</u>                       | package   | DVB  | 3/4                                 | 27.500 |   |                                   |
|                             |         |        | Al-Forat Satellite TV Channel          | TV        | DVB  | 3/4                                 | 27.500 |   | Arabic                            |
|                             |         |        | Dhamma Media Channel                   | TV        | DVB  | 3/4                                 | 27.500 |   | Thai,English                      |
|                             |         |        | TCM Central Europe                     | TV        | DVB  | 3/4                                 | 27.500 | Cryptoworks/Mediaguard<br>2/Nagravision 3 | Polish,Hungarian,Romanian,English |
|                             |         |        | Disney Channel Polska                  | TV        | DVB  | 3/4                                 | 27.500 | Conax/Mediaguard 2/Nagravision 3          | Polish,English                    |
|                             |         |        | All Music                              | TV        | DVB  | 3/4                                 | 27.500 |   | Italian                           |
|                             |         |        | NourSat                                | TV        | DVB  | 3/4                                 | 27.500 |   | Arabic                            |
|                             |         |        | Sun TV Europe                          | TV        | DVB  | 3/4                                 | 27.500 |   | Tamil                             |
|                             |         |        | ANB                                    | TV        | DVB  | 3/4                                 | 27.500 |   | Arabic                            |
|                             |         |        | KTV Europe                             | TV        | DVB  | 3/4                                 | 27.500 |   | Tamil                             |
|                             |         |        | Cartoon Network Central Europe         | TV        | DVB  | 3/4                                 | 27.500 | Cryptoworks/Mediaguard<br>2/Nagravision 3 | Polish,Hungarian,Romanian,English |
| Rete Capri                  | TV      | DVB    | 3/4                                    | 27.500    |  | Italian                             |        |   |                                   |
| Al Hiwar TV                 | TV      | DVB    | 3/4                                    | 27.500    |  | Arabic                              |        |   |                                   |
| Radio Capri                 | radio   | DVB    | 3/4                                    | 27.500    |  | Italian                             |        |   |                                   |
| Suryan FM                   | radio   | DVB    | 3/4                                    | 27.500    |  | Tamil                               |        |   |                                   |
| <u>RRSat Global Network</u> | package | DVB    | 3/4                                    | 27.500    |  |                                     |        |   |                                   |
| Baby TV Europe              | TV      | DVB    | 3/4                                    | 27.500    | Conax/Cryptoworks/Viaccess<br>2.5/Viaccess 2.6 | English,French,Dutch,Turkish,Polish |        |   |                                   |
| God TV Europe               | TV      | DVB    | 3/4                                    | 27.500    |  | English                             |        |   |                                   |
| TRT Türk                    | TV      | DVB    | 3/4                                    | 27.500    | Y  | Turkish                             |        |   |                                   |
| Telenova                    | TV      | DVB    | 3/4                                    | 27.500    |  | Italian                             |        |   |                                   |
| Suroyo TV                   | TV      | DVB    | 3/4                                    | 27.500    |  |                                     |        |   |                                   |
| NTD TV                      | TV      | DVB    | 3/4                                    | 27.500    |  | Chinese                             |        |   |                                   |
| Music Box Ru                | TV      | DVB    | 3/4                                    | 27.500    |  | Russian                             |        |   |                                   |
| Russia Today                | TV      | DVB    | 3/4                                    | 27.500    |  | English                             |        |   |                                   |
| US Armenia                  | TV      | DVB    | 3/4                                    | 27.500    |  | Armenian                            |        |   |                                   |
| Asianet Plus                | TV      | DVB    | 3/4                                    | 27.500    | Viaccess 2.5/Viaccess 2.6                      | Malayalam                           |        |   |                                   |
| Payam-e-Afghan TV           | TV      | DVB    | 3/4                                    | 27.500    |  | Farsi                               |        |   |                                   |
| La 8                        | TV      | DVB    | 3/4                                    | 27.500    |  | Italian                             |        |   |                                   |
| TVK                         | TV      | DVB    | 3/4                                    | 27.500    |  |                                     |        |   |                                   |
| MRTV 3                      | TV      | DVB    | 3/4                                    | 27.500    |  | English                             |        |   |                                   |
| La 9 Sat                    | TV      | DVB    | 3/4                                    | 27.500    |  | Italian                             |        |   |                                   |
| Universal TV                | TV      | DVB    | 3/4                                    | 27.500    |  | Somali                              |        |   |                                   |
| Alanwar TV                  | TV      | DVB    | 3/4                                    | 27.500    |  | Arabic                              |        |   |                                   |

| Freq<br>(GHz)      | Pol   | Beam   | Channel                        | Analogue |        | Audio MHz        | Text     | Access                     | Lang.           |            |  |            |
|--------------------|-------|--------|--------------------------------|----------|--------|------------------|----------|----------------------------|-----------------|------------|--|------------|
|                    |       |        |                                | Digital  | FEC    | MSy/s            |          |                            |                 |            |  |            |
| D 10.992           | V     | Europe | The Word Network               | TV       | DVB    | 3/4              | 27.500   |                            |                 | English    |  |            |
|                    |       |        | Ictimai TV                     | TV       | DVB    | 3/4              | 27.500   |                            |                 | Azerbaijan |  |            |
|                    |       |        | Voice of Turkey West           | radio    | DVB    | 3/4              | 27.500   |                            |                 |            |  |            |
|                    |       |        | Voice of Turkey World          | radio    | DVB    | 3/4              | 27.500   |                            |                 |            |  |            |
|                    |       |        | TRT FM                         | radio    | DVB    | 3/4              | 27.500   |                            |                 | Turkish    |  |            |
|                    |       |        | Radio Nawa Arabic              | radio    | DVB    | 3/4              | 27.500   |                            |                 | Arabic     |  |            |
|                    |       |        | Toloo Radio                    | radio    | DVB    | 3/4              | 27.500   |                            |                 |            |  |            |
|                    |       |        | TSR                            | radio    | DVB    | 3/4              | 27.500   |                            |                 | Turkish    |  |            |
|                    |       |        | VAB Radio                      | radio    | DVB    | 3/4              | 27.500   |                            |                 | Vietnamese |  |            |
|                    |       |        | Radio Jamwar                   | radio    | DVB    | 3/4              | 27.500   |                            |                 |            |  |            |
|                    |       |        | Radio Nawa Kurdish             | radio    | DVB    | 3/4              | 27.500   |                            |                 | Kurdish    |  |            |
|                    |       |        | <u>RAI</u>                     | package  | DVB    | 2/3              | 27.500   | Mediaguard 2/Nagravision 3 |                 |            |  |            |
|                    |       |        | Raitalia 3 Africa              | TV       | DVB    | 2/3              | 27.500   | Mediaguard 2               |                 | Italian    |  |            |
|                    |       |        | Rai Uno                        | TV       | DVB    | 2/3              | Y 27.500 | Mediaguard 2               |                 | Italian    |  |            |
|                    |       |        | Rai Due                        | TV       | DVB    | 2/3              | Y 27.500 | Mediaguard 2               |                 | Italian    |  |            |
|                    |       |        | Rai Tre                        | TV       | DVB    | 2/3              | Y 27.500 | Mediaguard 2               |                 | Italian    |  |            |
|                    |       |        | Rai 4                          | TV       | DVB    | 2/3              | Y 27.500 | Mediaguard 2               |                 | Italian    |  |            |
|                    |       |        | Rai Radio 2                    | radio    | DVB    | 2/3              | 27.500   |                            |                 | Italian    |  |            |
|                    |       |        | Rai Radio 3                    | radio    | DVB    | 2/3              | 27.500   |                            |                 | Italian    |  |            |
|                    |       |        | Rai Radio 1 AM                 | radio    | DVB    | 2/3              | 27.500   |                            |                 | Italian    |  |            |
| Raitalia Radio     | radio | DVB    | 2/3                            | 27.500   |        |                  |          |                            |                 |            |  |            |
| Raitalia Radio     | radio | DVB    | 2/3                            | 27.500   |        |                  |          |                            |                 |            |  |            |
| Filodiffusione 4   | radio | DVB    | 2/3                            | 27.500   |        |                  | Italian  |                            |                 |            |  |            |
| D 11.013           | H     | Europe | <u>RRSat Global Network</u>    | package  | DVB    | 3/4              | 27.500   |                            |                 |            |  |            |
|                    |       |        | Free Channel                   | TV       | DVB    | 3/4              | 27.500   |                            | Italian         |            |  |            |
|                    |       |        | Number One Channel             | TV       | DVB    | 3/4              | 27.500   |                            | Italian         |            |  |            |
|                    |       |        | Russian Travel Guide TV        | TV       | DVB    | 3/4              | 27.500   |                            | English,Russian |            |  |            |
|                    |       |        | MTA 3 Al Arabiyah              | TV       | DVB    | 3/4              | 27.500   |                            | Arabic          |            |  |            |
|                    |       |        | Didar Global TV                | TV       | DVB    | 3/4              | 27.500   |                            | Farsi           |            |  |            |
|                    |       |        | Pro TV International           | TV       | DVB    | 3/4              | 27.500   |                            | Romanian        |            |  |            |
|                    |       |        | Hope Channel Europe            | TV       | DVB    | 3/4              | 27.500   |                            | English         |            |  |            |
|                    |       |        | Angel TV                       | TV       | DVB    | 3/4              | 27.500   |                            | Tamil           |            |  |            |
|                    |       |        | TBM                            | TV       | DVB    | 3/4              | 27.500   |                            | Italian         |            |  |            |
|                    |       |        | Eco TV                         | TV       | DVB    | 3/4              | 27.500   |                            | Italian         |            |  |            |
|                    |       |        | Channel One Sri Lanka promo    | TV       | DVB    | 3/4              | 27.500   |                            |                 |            |  |            |
|                    |       |        | Ru TV                          | TV       | DVB    | 3/4              | 27.500   |                            | Russian         |            |  |            |
|                    |       |        | AIT National                   | TV       | DVB    | 3/4              | 27.500   |                            | English         |            |  |            |
|                    |       |        | Rete Oro Sat                   | TV       | DVB    | 3/4              | 27.500   |                            | Italian         |            |  |            |
|                    |       |        | Rusiya Al-Yaum                 | TV       | DVB    | 3/4              | 27.500   |                            | Arabic          |            |  |            |
|                    |       |        | Gali Kurdistan                 | TV       | DVB    | 3/4              | 27.500   |                            | Kurdish         |            |  |            |
|                    |       |        | Spy TV                         | TV       | DVB    | 3/4              | 27.500   |                            | Italian         |            |  |            |
|                    |       |        | Sarafan                        | TV       | DVB    | 3/4              | 27.500   |                            | Russian         |            |  |            |
|                    |       |        | Al Fayhaa TV                   | TV       | DVB    | 3/4              | 27.500   |                            | Arabic          |            |  |            |
|                    |       |        | 3 Channel                      | TV       | DVB    | 3/4              | 27.500   |                            | Italian         |            |  |            |
|                    |       |        | CGN TV                         | TV       | DVB    | 3/4              | 27.500   |                            | Korean          |            |  |            |
|                    |       |        | Radyo Duhok                    | radio    | DVB    | 3/4              | 27.500   |                            | Kurdish         |            |  |            |
|                    |       |        | European Tamil Radio           | radio    | DVB    | 3/4              | 27.500   |                            | Tamil           |            |  |            |
|                    |       |        | Radio Number One               | radio    | DVB    | 3/4              | 27.500   |                            | Italian         |            |  |            |
|                    |       |        | TBC Radio                      | radio    | DVB    | 3/4              | 27.500   |                            | Tamil           |            |  |            |
|                    |       |        | Radio Kurdistan                | radio    | DVB    | 3/4              | 27.500   |                            | Kurdish         |            |  |            |
|                    |       |        | Eurapeiskae Radie dlja Belarus | radio    | DVB    | 3/4              | 27.500   |                            | Belarussian     |            |  |            |
|                    |       |        | London Tamil FM                | radio    | DVB    | 3/4              | 27.500   |                            | Tamil           |            |  |            |
|                    |       |        | Radio Novaya Zhizn             | radio    | DVB    | 3/4              | 27.500   |                            | Russian         |            |  |            |
|                    |       |        | Tamil International Radio      | radio    | DVB    | 3/4              | 27.500   |                            | Tamil           |            |  |            |
|                    |       |        | Russkoe Radio                  | radio    | DVB    | 3/4              | 27.500   | Codicrypt                  | Russian         |            |  |            |
|                    |       |        | D 11.034                       | V        | Europe | <u>GlobeCast</u> | package  | DVB                        | 3/4             | 27.500     |  |            |
|                    |       |        |                                |          |        | 2M Monde         | TV       | DVB                        | 3/4             | 27.500     |  | Arabic     |
|                    |       |        |                                |          |        | AzTV             | TV       | DVB                        | 3/4             | 27.500     |  | Azerbaijan |
| Al Jazeera English | TV    | DVB    |                                |          |        | 3/4              | 27.500   |                            | English         |            |  |            |
| 3A Telesud         | TV    | DVB    |                                |          |        | 3/4              | 27.500   |                            | French          |            |  |            |
| Berbère TV         | TV    | DVB    |                                |          |        | 3/4              | 27.500   |                            | French          |            |  |            |
| Vesti              | TV    | DVB    |                                |          |        | 3/4              | 27.500   |                            | Russian         |            |  |            |
| RTR Planeta        | TV    | DVB    |                                |          |        | 3/4              | 27.500   |                            | Russian         |            |  |            |
| CCTV 9             | TV    | DVB    |                                |          |        | 3/4              | 27.500   |                            | English         |            |  |            |
| Salute!            | TV    | DVB    |                                |          |        | 3/4              | 27.500   |                            | Italian         |            |  |            |
| Algérie 4          | TV    | DVB    |                                |          |        | 3/4              | 27.500   |                            |                 |            |  |            |
| Algérie 5          | TV    | DVB    |                                |          |        | 3/4              | 27.500   |                            | Arabic          |            |  |            |
| Shant TV           | TV    | DVB    |                                |          |        | 3/4              | 27.500   |                            | Armenian        |            |  |            |
| Game One           | TV    | DVB    |                                |          |        | 3/4              | 27.500   | Viaccess 3.0               | French          |            |  |            |
| Radio 2M           | radio | DVB    |                                |          |        | 3/4              | 27.500   |                            |                 |            |  |            |

| Freq<br>(GHz)               | Pol   | Beam   | Channel                        | Analogue |         | Audio MHz | Text     | Access   | Lang. |                                      |               |
|-----------------------------|-------|--------|--------------------------------|----------|---------|-----------|----------|--|-------|--------------------------------------|---------------|
|                             |       |        |                                | Digital  | FEC     | MSy/s     |          |  |       |                                      |               |
| D 11.054                    | H     | Europe | Berbère Radio                  | radio    | DVB     | 3/4       | 27.500   |  |       | Berber                               |               |
|                             |       |        | Radio Antenn                   | radio    | DVB     | 3/4       | 27.500   |  |       | Azerbaijan                           |               |
|                             |       |        | <u>Media Broadcast</u>         | package  | DVB     | 5/6       | 27.500   |  |       |                                      |               |
|                             |       |        | Beladi Satellite TV            | TV       | DVB     | 5/6       | 27.500   |  |       |                                      | Arabic        |
|                             |       |        | Tapesh TV                      | TV       | DVB     | 5/6       | 27.500   |  |       |                                      | Farsi         |
|                             |       |        | Iran Music                     | TV       | DVB     | 5/6       | 27.500   |  |       |                                      |               |
|                             |       |        | Real Estate                    | TV       | DVB     | 5/6       | 27.500   |  |       |                                      |               |
|                             |       |        | Libya Al Shababiyah            | TV       | DVB     | 5/6       | 27.500   |  |       |                                      | Arabic        |
|                             |       |        | TV Persia                      | TV       | DVB     | 5/6       | 27.500   |  |       |                                      | Farsi         |
|                             |       |        | Iran Beauty                    | TV       | DVB     | 5/6       | 27.500   |  |       |                                      | Farsi         |
|                             |       |        | Sri TV                         | TV       | DVB     | 5/6       | 27.500   |  |       |                                      |               |
|                             |       |        | ZDF                            | TV       | DVB     | 5/6       | Y 27.500 |  |       |                                      | German        |
|                             |       |        | RTL Schweiz                    | TV       | DVB     | 5/6       | Y 27.500 |  |       |                                      | German,German |
|                             |       |        | BW TV                          | TV       | DVB     | 5/6       | 27.500   | PowerVu  |       |                                      | German        |
|                             |       |        | Mohajer International TV       | TV       | DVB     | 5/6       | 27.500   |  |       |                                      | Farsi         |
|                             |       |        | CTV                            | TV       | DVB     | 5/6       | 27.500   |  |       |                                      | Arabic        |
|                             |       |        | POS Radio Hot AC               | radio    | DVB     | 5/6       | 27.500   |  |       |                                      | German        |
|                             |       |        | EuroSpar Music                 | radio    | DVB     | 5/6       | 27.500   |  |       |                                      | German        |
|                             |       |        | POS Radio                      | radio    | DVB     | 5/6       | 27.500   |  |       |                                      | German        |
|                             |       |        | POS Radio Euro AC              | radio    | DVB     | 5/6       | 27.500   |  |       |                                      | German        |
| POS Radio AC                | radio | DVB    | 5/6                            | 27.500   |         |           |          | German   |       |                                      |               |
| POS Radio Soft AC           | radio | DVB    | 5/6                            | 27.500   |         |           |          | German   |       |                                      |               |
| POS Radio CHR               | radio | DVB    | 5/6                            | 27.500   |         |           |          | German   |       |                                      |               |
| D 11.075                    | V     | Europe | <u>Viacom</u>                  | package  | DVB     | 3/4       | 27.500   | Conax/Cryptoworks/Mediaguard 2/Nagravision 3         |       |                                      |               |
|                             |       |        | MTV Europe                     | TV       | DVB     | 3/4       | 27.500   | Cryptoworks  |       | English                              |               |
|                             |       |        | MTVN HD                        | TV       | DVB     | 3/4       | 27.500   | Conax/Cryptoworks/Mediaguard 2/Nagravision 3         |       | English                              |               |
|                             |       |        | Nickelodeon Europe             | TV       | DVB     | 3/4       | 27.500   | Conax/Cryptoworks                                    |       | English,Hungarian,Russian,Portuguese |               |
|                             |       |        | VH1 Europe A                   | TV       | DVB     | 3/4       | 27.500   | Conax/Cryptoworks                                    |       | English                              |               |
|                             |       |        | Viva Polska                    | TV       | DVB     | 3/4       | 27.500   |  |       | Polish                               |               |
|                             |       |        | VH1 Polska                     | TV       | DVB     | 3/4       | 27.500   | Conax/Cryptoworks/Mediaguard 2/Nagravision 3         |       | Polish                               |               |
|                             |       |        | MTV Polska                     | TV       | DVB     | 3/4       | 27.500   | Conax/Cryptoworks/Mediaguard 2/Nagravision 3         |       | Polish                               |               |
|                             |       |        | Comedy Central Polska          | TV       | DVB     | 3/4       | 27.500   | Conax/Cryptoworks/Mediaguard 2                       |       | Polish                               |               |
|                             |       |        | <u>American Forces Network</u> | package  | DVB     | 3/4       | 28.000   | PowerVu  |       |                                      |               |
| D 11.096                    | H     | Europe | AFN Xtra                       | TV       | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN Prime Atlantic Aviano      | TV       | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN Prime Atlantic Vicenza     | TV       | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN Prime Atlantic Naples      | TV       | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN Prime Rota                 | TV       | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | Pentagon Channel               | TV       | DVB     | 3/4       | 28.000   |  |       | English                              |               |
|                             |       |        | AFN Family                     | TV       | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN Movie                      | TV       | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN Prime Freedom              | TV       | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN Prime Atlantic Sigonella   | TV       | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN News                       | TV       | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | 106 The Power Network          | radio    | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN Freedom Radio              | radio    | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN The Eagle Livorno          | radio    | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN Uninterruptable Voice      | radio    | DVB     | 3/4       | 28.000   |  |       | English                              |               |
|                             |       |        | AFN The Eagle Souda Bay        | radio    | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN The Eagle Rota             | radio    | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | Adult Rock & Roll              | radio    | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | Mainstream Country             | radio    | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | Power 107 FM                   | radio    | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | Z-Rock                         | radio    | DVB     | 3/4       | 28.000   |  |       | English                              |               |
|                             |       |        | Bright AC                      | radio    | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN The Eagle Vicenza 106      | radio    | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN The Eagle Vicenza 106      | radio    | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | Power 107 FM                   | radio    | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN The Eagle Naples           | radio    | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
|                             |       |        | AFN Power Network Naples       | radio    | DVB     | 3/4       | 28.000   | PowerVu  |       | English                              |               |
| AFN The Eagle Sigonella     | radio | DVB    | 3/4                            | 28.000   | PowerVu |           | English  |  |       |                                      |               |
| AFN Power Network Sigonella | radio | DVB    | 3/4                            | 28.000   | PowerVu |           | English  |  |       |                                      |               |
| AFN Power Network Livorno   | radio | DVB    | 3/4                            | 28.000   | PowerVu |           | English  |  |       |                                      |               |
| D 11.117                    | V     | Europe | <u>GlobeCast</u>               | package  | DVB     | 3/4       | 27.500   | Mediaguard 2/Nagravision 3/Viaccess 2.5/Viaccess 3.0 |       |                                      |               |
|                             |       |        | KlikSat                        | TV       | DVB     | 3/4       | 27.500   |  |       | Kurdish                              |               |
|                             |       |        | BBC Lifestyle Polska           | TV       | DVB     | 3/4       | 27.500   | Nagravision 3/Viaccess 3.0                           |       | Polish,English                       |               |
|                             |       |        | Wedding TV Polska              | TV       | DVB     | 3/4       | 27.500   | Nagravision 3  |       | Polish,Russian,English,Turkish       |               |
|                             |       |        |                                |          |         |           |          |  |       |                                      |               |

| Freq<br>(GHz)      | Pol   | Beam   | Channel                  | Analogue |        | Audio MHz                      | Text<br>MSy/s | Access  | Lang.                               |        |                            |         |
|--------------------|-------|--------|--------------------------|----------|--------|--------------------------------|---------------|---|-------------------------------------|--------|----------------------------|---------|
|                    |       |        |                          | Digital  | FEC    |                                |               |   |                                     |        |                            |         |
| D 11.137           | H     | Europe | BBC Entertainment Polska | TV       | DVB    | 3/4                            | 27.500        | Nagravision 3/Viaccess 3.0                      | Polish,English                      |        |                            |         |
|                    |       |        | BBC Knowledge Polska     | TV       | DVB    | 3/4                            | 27.500        | Nagravision 3/Viaccess 3.0                      | Polish,English                      |        |                            |         |
|                    |       |        | CBeebies Polska          | TV       | DVB    | 3/4                            | 27.500        | Nagravision 3/Viaccess 3.0                      | Polish,English                      |        |                            |         |
|                    |       |        | BBC Persian              | TV       | DVB    | 3/4                            | 27.500        |   | Farsi                               |        |                            |         |
|                    |       |        | R1                       | TV       | DVB    | 3/4                            | 27.500        |   | Russian                             |        |                            |         |
|                    |       |        | R1 plus                  | TV       | DVB    | 3/4                            | 27.500        |   | Russian                             |        |                            |         |
|                    |       |        | Channel 6                | TV       | DVB    | 3/4                            | 27.500        |   |                                     |        |                            |         |
|                    |       |        | Yes Italia promo         | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | <u>Arqiva</u>            | package  | DVB    | 3/4                            | 27.500        |   |                                     |        |                            |         |
|                    |       |        | TelefortuneSat           | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | TV 5 Monde FBS           | TV       | DVB    | 3/4                            | Y 27.500      |   | French                              |        |                            |         |
|                    |       |        | TV 5 Monde Europe        | TV       | DVB    | 3/4                            | Y 27.500      |   | French                              |        |                            |         |
|                    |       |        | Kurdistan TV             | TV       | DVB    | 3/4                            | 27.500        |   | Kurdish                             |        |                            |         |
|                    |       |        | NHK World TV             | TV       | DVB    | 3/4                            | 27.500        |   | English                             |        |                            |         |
|                    |       |        | Sardegna 1 Sat           | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | Videolina                | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | GEM TV                   | TV       | DVB    | 3/4                            | 27.500        |   | Arabic                              |        |                            |         |
|                    |       |        | Motors TV                | TV       | DVB    | 3/4                            | 27.500        | Irdeto 2/Viaccess 2.3/Viaccess 2.5/Viaccess 3.0 | French,English,German,Serbian,Greek |        |                            |         |
|                    |       |        | D 11.158                 | V        | Europe | Radiolina                      | radio         | DVB   | 3/4                                 | 27.500 |                            | Italian |
|                    |       |        |                          |          |        | <u>Cyfrowy Polsat</u>          | package       | DVB   | 3/4                                 | 27.500 | Mediaguard 2/Nagravision 3 |         |
| TV 4               | TV    | DVB    |                          |          |        | 3/4                            | Y 27.500      | Mediaguard 2/Nagravision 3                      | Polish                              |        |                            |         |
| Polsat 2           | TV    | DVB    |                          |          |        | 3/4                            | 27.500        | Nagravision 3                                   | Polish                              |        |                            |         |
| Polsat News        | TV    | DVB    |                          |          |        | 3/4                            | 27.500        | Nagravision 3                                   | Polish                              |        |                            |         |
| Superstacja        | TV    | DVB    |                          |          |        | 3/4                            | 27.500        | Mediaguard 2/Nagravision 3                      | Polish                              |        |                            |         |
| TV Biznes          | TV    | DVB    |                          |          |        | 3/4                            | 27.500        |   | Polish                              |        |                            |         |
| Polsat Café        | TV    | DVB    |                          |          |        | 3/4                            | 27.500        | Nagravision 3                                   | Polish                              |        |                            |         |
| Polsat Sport       | TV    | DVB    |                          |          |        | 3/4                            | 27.500        | Nagravision 3                                   | Polish                              |        |                            |         |
| Polsat Play        | TV    | DVB    |                          |          |        | 3/4                            | 27.500        | Nagravision 3                                   | Polish                              |        |                            |         |
| Polsat             | TV    | DVB    |                          |          |        | 3/4                            | Y 27.500      | Nagravision 3                                   | Polish                              |        |                            |         |
| Polsat Sport Extra | TV    | DVB    |                          |          |        | 3/4                            | 27.500        | Nagravision 3                                   | Polish                              |        |                            |         |
| D 11.179           | H     | Europe |                          |          |        | <u>Telespazio</u>              | package       | DVB   | 3/4                                 | 27.500 |                            |         |
|                    |       |        | Radio Italia TV          | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | Super Tennis             | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | Telemarket               | TV       | DVB    | 3/4                            | Y 27.500      |   | Italian                             |        |                            |         |
|                    |       |        | TRSP                     | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | Sisal TV                 | TV       | DVB    | 3/4                            | 27.500        | PowerVu   | Italian                             |        |                            |         |
|                    |       |        | New TV                   | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | TV Moda                  | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | TeF Channel              | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | Metropolis TV            | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | Globe Media              | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | Studio Europa            | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | GBR                      | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | Teletotto                | TV       | DVB    | 3/4                            | 27.500        |   | Italian                             |        |                            |         |
|                    |       |        | D 11.200                 | V        | Europe | <u>Network Teleport Italia</u> | package       | DVB   | 5/6                                 | 27.500 |                            |         |
|                    |       |        |                          |          |        | Sexy 1                         | TV            | DVB   | 5/6                                 | 27.500 |                            |         |
| TeleCampione       | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Odeon Sat          | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Betting Channel    | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Luna Sat           | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Oasi TV            | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Roma Sat           | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| UTV                | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | English                             |        |                            |         |
| EBC 1              | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Arabic                              |        |                            |         |
| Puntoshop Channel  | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Sexpress           | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Turkish                             |        |                            |         |
| Star Sat           | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Play TV            | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Motori TV          | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Trentino TV        | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Lolita             | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   |                                     |        |                            |         |
| Elite Shopping TV  | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Mediatel           | TV    | DVB    |                          |          |        | 5/6                            | Y 27.500      |   | Italian                             |        |                            |         |
| Vision Heaven      | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | English                             |        |                            |         |
| Telenord           | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Piemonte Sat       | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| All Sex            | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Napoli Nova        | TV    | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Billa Italia       | radio | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |
| Radio Standa       | radio | DVB    |                          |          |        | 5/6                            | 27.500        |   | Italian                             |        |                            |         |

| Freq (GHz)        | Pol   | Beam   | Channel                     | Analogue |            | Audio MHz         | Text     | Access  | Lang.  |         |       |        |
|-------------------|-------|--------|-----------------------------|----------|------------|-------------------|----------|---|--|---------|-------|--------|
|                   |       |        |                             | Digital  | FEC        | MSy/s             |          |   |  |         |       |        |
| D 11.219          | H     | Europe | Radio Intesa San Paolo      | radio    | DVB        | 5/6               | 27.500   |   | Italian  |         |       |        |
|                   |       |        | Radio Intesa                | radio    | DVB        | 5/6               | 27.500   |   | Italian  |         |       |        |
|                   |       |        | Radio Shora                 | radio    | DVB        | 5/6               | 27.500   |   | Arabic   |         |       |        |
|                   |       |        | Radio Metro'                | radio    | DVB        | 5/6               | 27.500   |   | Italian  |         |       |        |
|                   |       |        | Radio Zainet                | radio    | DVB        | 5/6               | 27.500   |   | Italian  |         |       |        |
|                   |       |        | Radio Expert                | radio    | DVB        | 5/6               | 27.500   |   | Italian  |         |       |        |
|                   |       |        | Radio McDonald's            | radio    | DVB        | 5/6               | 27.500   |   | Italian  |         |       |        |
|                   |       |        | Salam Watandar              | radio    | DVB        | 5/6               | 27.500   |   |  |         |       |        |
|                   |       |        | Radio di per di             | radio    | DVB        | 5/6               | 27.500   |   | Italian  |         |       |        |
|                   |       |        | Sky Italia                  | package  | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Hip Hop TV                  | TV       | DVB        | 3/4               | 27.500   | Videoguard  |  | Italian |       |        |
|                   |       |        | BBC Prime                   | TV       | DVB        | 3/4               | Y 27.500 | Videoguard  |  | English |       |        |
|                   |       |        | CNN International Europe    | TV       | DVB        | 3/4               | 27.500   | Videoguard  |  | English |       |        |
|                   |       |        | Match Music TV              | TV       | DVB        | 3/4               | 27.500   | Videoguard  |  | Italian |       |        |
|                   |       |        | DeA Kids +1                 | TV       | DVB        | 3/4               | 27.500   | Videoguard  |  | Italian |       |        |
|                   |       |        | Rock TV                     | TV       | DVB        | 3/4               | 27.500   | Videoguard  |  | Italian |       |        |
|                   |       |        | Mediaset Plus               | TV       | DVB        | 3/4               | 27.500   | Videoguard  |  | Italian |       |        |
|                   |       |        | Sportitalia 24              | TV       | DVB        | 3/4               | 27.500   | Videoguard  |  | Italian |       |        |
|                   |       |        | Discovery Channel Italia +1 | TV       | DVB        | 3/4               | 27.500   | Videoguard  |  | Italian |       |        |
|                   |       |        | Sinfonia                    | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Extra Beat                  | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Jazz & Fusion               | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Disc Joker                  | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Baby Mix                    | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Stardust                    | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Yesterjay '80               | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Out of Mind                 | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Onda Latina                 | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | New Rock                    | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Opera                       | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Soulsista                   | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Vintage '60                 | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Capital '70                 | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Italian Vintage             | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Heart 'n Song               | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Yesterjay '90               | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Deejay 50 Songs             | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Capital Livetime            | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Capital Rock Classic        | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Rock Shock                  | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | B-Side                      | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Jazz Gold                   | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
|                   |       |        | Soul Train                  | radio    | DVB        | 3/4               | 27.500   | Videoguard  |  |         |       |        |
| Hit Italia        | radio | DVB    | 3/4                         | 27.500   | Videoguard |                   |          |   |  |         |       |        |
| D 11.240          | V     | Europe | Utelsat                     | package  | DVB        | 3/4               | 27.500   | Conax/Cryptoworks/Irdeto 2/Mediaguard 2/Nagravision 3/Viaccess 2.5/Viaccess 2.6/Viaccess 3.0            |  |         |       |        |
|                   |       |        | La Deux                     | TV       | DVB        | 3/4               | Y 27.500 | Mediaguard 2  | French   |         |       |        |
|                   |       |        | Plug RTL                    | TV       | DVB        | 3/4               | Y 27.500 | Mediaguard 2  | French   |         |       |        |
|                   |       |        | RTL TVI                     | TV       | DVB        | 3/4               | Y 27.500 | Mediaguard 2  | French   |         |       |        |
|                   |       |        | Disney Channel France       | TV       | DVB        | 3/4               | 27.500   | Mediaguard 2  | French   |         |       |        |
|                   |       |        | La Une                      | TV       | DVB        | 3/4               | Y 27.500 | Mediaguard 2  | French   |         |       |        |
|                   |       |        | Eurosport 2                 | TV       | DVB        | 3/4               | Y 27.500 | Conax/Cryptoworks/Irdeto 2/Mediaguard 2/Nagravision 3/Viaccess 2.5/Viaccess 2.6/Viaccess 3.0/Videoguard | Polish,English,German,Russian,Greek,Serbian,Romanian,Turkish                                     |         |       |        |
|                   |       |        | Eurosport                   | TV       | DVB        | 3/4               | Y 27.500 | Conax/Cryptoworks/Irdeto 2/Mediaguard 2/Nagravision 3/Viaccess 2.5/Viaccess 2.6/Viaccess 3.0/Videoguard | English,Greek,Dutch,Polish,Russian,Portuguese,Romanian,Czech,Hungarian,Bulgarian,Turkish,Serbian |         |       |        |
|                   |       |        | RTBF Sat                    | TV       | DVB        | 3/4               | Y 27.500 |   | French   |         |       |        |
|                   |       |        | France 24 English           | TV       | DVB        | 3/4               | 27.500   |   | English  |         |       |        |
|                   |       |        | France 24 Français          | TV       | DVB        | 3/4               | 27.500   |   | French   |         |       |        |
|                   |       |        | Club RTL                    | TV       | DVB        | 3/4               | Y 27.500 | Mediaguard 2  | French   |         |       |        |
|                   |       |        | RTBF International          | radio    | DVB        | 3/4               | 27.500   |   |  |         |       |        |
|                   |       |        | D 11.258                    | H        | Europe     | N                 | package  | DVB-S2  | 2/3  | 27.500  | Conax |        |
|                   |       |        |                             |          |            | Da Vinci Learning | TV       | DVB-S2  | 2/3  | 27.500  | Conax | Polish |
| Sport Klub Polska | TV    | DVB-S2 |                             |          |            | 2/3               | 27.500   | Conax   | Polish   |         |       |        |
| JimJam Europe     | TV    | DVB-S2 |                             |          |            | 2/3               | 27.500   | Conax   | Polish   |         |       |        |
| AXN Polska        | TV    | DVB-S2 |                             |          |            | 2/3               | 27.500   | Conax   | Polish   |         |       |        |
| Wojna i Pokój     | TV    | DVB-S2 |                             |          |            | 2/3               | 27.500   | Conax   | Polish,Russian   |         |       |        |

| Freq (GHz)                      | Pol     | Beam   | Channel                           | Analogue |   | Audio MHz            | Text     | Access   | Lang.  |        |                           |        |
|---------------------------------|---------|--------|-----------------------------------|----------|---|----------------------|----------|--|--|--------|---------------------------|--------|
|                                 |         |        |                                   | Digital  | FEC   | MSy/s                |          |  |  |        |                           |        |
| A 11.278                        | V       | Europe | Investigation Discovery Europe    | TV       | DVB-S2  | 2/3                  | 27.500   | Conax  | English  |        |                           |        |
|                                 |         |        | TVP Historia                      | TV       | DVB-S2  | 2/3                  | 27.500   | Conax  | Polish   |        |                           |        |
|                                 |         |        | Cartoon Network Central Europe    | TV       | DVB-S2  | 2/3                  | 27.500   | Conax  | Polish   |        |                           |        |
|                                 |         |        | TCM Central Europe                | TV       | DVB-S2  | 2/3                  | 27.500   | Conax  | Polish   |        |                           |        |
|                                 |         |        | Jetix Polska                      | TV       | DVB-S2  | 2/3                  | 27.500   | Conax  | Polish   |        |                           |        |
|                                 |         |        | TVP HD                            | TV       | DVB-S2  | 2/3                  | 27.500   | Conax  | Polish   |        |                           |        |
|                                 |         |        | HBO Polska                        | TV       | DVB-S2  | 2/3                  | 27.500   | Conax  | Polish   |        |                           |        |
|                                 |         |        | ITVN Europe                       | TV       | DVB-S2  | 2/3                  | Y 27.500 | Conax  | Polish   |        |                           |        |
|                                 |         |        | Jetix Play                        | TV       | DVB-S2  | 2/3                  | 27.500   | Conax  | Polish   |        |                           |        |
|                                 |         |        | Cinemax 2 Central Europe          | TV       | DVB-S2  | 2/3                  | 27.500   | Conax  | Polish   |        |                           |        |
|                                 |         |        | Cinemax Central Europe            | TV       | DVB-S2  | 2/3                  | 27.500   | Conax  | Polish   |        |                           |        |
|                                 |         |        | Boomerang Europe                  | TV       | DVB-S2  | 2/3                  | 27.500   | Conax  | Polish   |        |                           |        |
|                                 |         |        | ESPN America Europe               | TV       | DVB-S2  | 2/3                  | 27.500   | Conax  | English  |        |                           |        |
|                                 |         |        | MTV Two                           | TV       | DVB-S2  | 2/3                  | 27.500   | Conax  | English  |        |                           |        |
|                                 |         |        | Sport Klub + Polska               | TV       | DVB-S2  | 2/3                  | 27.500   | Conax  | Polish   |        |                           |        |
|                                 |         |        | <u>Cyfra +</u>                    | package  | DVB-S2  | 2/3                  | 27.500   | Conax/Cryptoworks/Mediaguard 2/Nagravision 3/Viaccess 3.0/Videoguard |  |        |                           |        |
|                                 |         |        | National Geographic Channel HD UK | TV       | DVB-S2  | 2/3                  | 27.500   | Mediaguard 2   | Polish   |        |                           |        |
|                                 |         |        | Eurosport                         | TV       | DVB-S2  | 2/3                  | 27.500   | Conax/Cryptoworks/Mediaguard 2/Nagravision 3/Viaccess 3.0/Videoguard | English,Turkish,Russian,Dutch,Czech,German,Portuguese,Polish,Hungarian,Bulgarian,Italian |        |                           |        |
|                                 |         |        | D 11.296                          | H        | Europe  | Canal + Sport Polska | TV       | DVB-S2   | 2/3  | 27.500 | Mediaguard 2/Viaccess 3.0 | Polish |
|                                 |         |        |                                   |          |   | Canal + Film         | TV       | DVB-S2   | 2/3  | 27.500 | Mediaguard 2/Viaccess 3.0 | Polish |
| <u>Al Jazeera Sport Channel</u> | package | DVB    |                                   |          |   | 3/4                  | 27.500   | Viaccess 3.0   |  |        |                           |        |
| Al Jazeera Sport Channel +1     | TV      | DVB    |                                   |          |   | 3/4                  | 27.500   | Viaccess 3.0   | Arabic,English   |        |                           |        |
| Al Jazeera Sport Channel +4     | TV      | DVB    |                                   |          |   | 3/4                  | 27.500   | Viaccess 3.0   | Arabic,English   |        |                           |        |
| A 11.320                        | V       | Europe | Al Jazeera Sport Channel +2       | TV       | DVB   | 3/4                  | 27.500   | Viaccess 3.0   | Arabic,English   |        |                           |        |
|                                 |         |        | Al Jazeera Sport Channel +3       | TV       | DVB   | 3/4                  | 27.500   | Viaccess 3.0   | Arabic,English   |        |                           |        |
| D 11.355                        | V       | Europe | TV 5 Monde Europe                 | TV       | PAL   | 6.60                 | Y        | French   |  |        |                           |        |
| D 11.393                        | V       | Europe | <u>Sky Italia</u>                 | package  | DVB   | 3/4                  | 27.500   | Videoguard   |  |        |                           |        |
|                                 |         |        | Sky Primafila 28                  | TV       | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Music Box Italia                  | TV       | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Sky Assist                        | TV       | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Sky Primafila 22                  | TV       | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Voce                              | TV       | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Live!                             | TV       | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Fox Life Italia +1                | TV       | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Sky Primafila 29                  | TV       | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | RMC 1                             | radio    | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Radio Capital                     | radio    | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Radio Dimensione Suono            | radio    | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Radio DeeJay                      | radio    | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Virgin Radio Italia               | radio    | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Radio 24                          | radio    | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Radio Italia                      | radio    | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | R101                              | radio    | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | RTL 102.5 FM                      | radio    | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Radio Kiss Kiss                   | radio    | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
|                                 |         |        | Radio 105                         | radio    | DVB   | 3/4                  | 27.500   | Videoguard   | Italian  |        |                           |        |
| M2o                             | radio   | DVB    | 3/4                               | 27.500   | Videoguard                                    | Italian              |          |  |  |        |                           |        |
| Radio on Sky                    | radio   | DVB    | 3/4                               | 27.500   | Videoguard                                    | Italian              |          |  |  |        |                           |        |
| <u>Grupa ITI</u>                | package | DVB    | 3/4                               | 27.500   | Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0 |                      |          |  |  |        |                           |        |
| TVN 24                          | TV      | DVB    | 3/4                               | 27.500   | Conax   | Polish               |          |  |  |        |                           |        |
| TVN CNBC Biznes                 | TV      | DVB    | 3/4                               | 27.500   | Conax/Mediaguard 2/Viaccess 3.0               | Polish               |          |  |  |        |                           |        |
| TVN Style                       | TV      | DVB    | 3/4                               | Y 27.500 | Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0 | Polish               |          |  |  |        |                           |        |
| TVN Turbo                       | TV      | DVB    | 3/4                               | Y 27.500 | Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0 | Polish               |          |  |  |        |                           |        |
| TVN Meteo                       | TV      | DVB    | 3/4                               | 27.500   | Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0 | Polish               |          |  |  |        |                           |        |
| Mango 24                        | TV      | DVB    | 3/4                               | Y 27.500 |   | Polish               |          |  |  |        |                           |        |
| TVN 7                           | TV      | DVB    | 3/4                               | Y 27.500 | Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0 | Polish,Polish        |          |  |  |        |                           |        |
| TVN 24                          | TV      | DVB    | 3/4                               | 27.500   | Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0 | Polish               |          |  |  |        |                           |        |
| TVN                             | TV      | DVB    | 3/4                               | Y 27.500 | Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0 | Polish,Polish        |          |  |  |        |                           |        |
| D 11.411                        | H       | Europe | <u>Telekom Srbija</u>             | package  | DVB   | 5/6                  | 27.500   |  |  |        |                           |        |
|                                 |         |        | Sex on TV Crystal                 | TV       | DVB   | 5/6                  | 27.500   | Conax/Irdeto 2/SkyPilot/Viaccess 2.6                                 | Italian  |        |                           |        |
|                                 |         |        | T2                                | TV       | DVB   | 5/6                  | 27.500   |  | Farsi  |        |                           |        |
|                                 |         |        | Sex on TV Classic                 | TV       | DVB   | 5/6                  | 27.500   | Conax/Irdeto 2/SkyPilot/Viaccess 2.6                                 | Italian  |        |                           |        |

| Freq (GHz)               | Pol   | Beam   | Channel                        | Analogue |        | Audio MHz            | Text MSy/s | Access  | Lang.      |                       |  |       |        |
|--------------------------|-------|--------|--------------------------------|----------|--------|----------------------|------------|---|------------|-----------------------|--|-------|--------|
|                          |       |        |                                | Digital  | FEC    |                      |            |   |            |                       |  |       |        |
| A 11.449                 | H     | Europe | Sex on TV Silver               | TV       | DVB    | 5/6                  | 27.500     | Conax/Irdeto 2/SkyPilot/Viaccess 2.6                | Italian    |                       |  |       |        |
|                          |       |        | Bethel TV                      | TV       | DVB    | 5/6                  | 27.500     |   | Spanish    |                       |  |       |        |
|                          |       |        | RTA                            | TV       | DVB    | 5/6                  | 27.500     |   |            |                       |  |       |        |
|                          |       |        | Dorcel TV                      | TV       | DVB    | 5/6                  | 27.500     | Mediaguard 2/Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |            | French,German,English |  |       |        |
|                          |       |        | RedLight Premium Channel promo | TV       | DVB    | 5/6                  | 27.500     |   |            | Italian               |  |       |        |
|                          |       |        | PTV                            | TV       | DVB    | 5/6                  | 27.500     |   |            | Arabic                |  |       |        |
|                          |       |        | Sex on TV Gold                 | TV       | DVB    | 5/6                  | 27.500     | Conax/Irdeto 2/SkyPilot/Viaccess 2.6                |            | Italian               |  |       |        |
|                          |       |        | TV Canção Nova Internacional   | TV       | DVB    | 5/6                  | 27.500     |   |            | Portuguese            |  |       |        |
|                          |       |        | Tiziana Sat                    | TV       | DVB    | 5/6                  | 27.500     |   |            | Italian               |  |       |        |
|                          |       |        | Adjara TV                      | TV       | DVB    | 5/6                  | 27.500     |   |            | Georgian              |  |       |        |
|                          |       |        | Club Privé TV                  | TV       | DVB    | 5/6                  | 27.500     | Irdeto 2/Viaccess 3.0                               |            |                       |  |       |        |
|                          |       |        | Calabria Channel               | TV       | DVB    | 5/6                  | 27.500     |   |            | Italian               |  |       |        |
|                          |       |        | Extra 3                        | TV       | DVB    | 5/6                  | 27.500     |   |            | Greek                 |  |       |        |
|                          |       |        | AVA Music Channel              | TV       | DVB    | 5/6                  | 27.500     |   |            | Farsi                 |  |       |        |
|                          |       |        | Kanal Hayat                    | TV       | DVB    | 5/6                  | 27.500     |   |            | Turkish               |  |       |        |
|                          |       |        | Sevince TV                     | TV       | DVB    | 5/6                  | 27.500     |   |            | Turkish               |  |       |        |
|                          |       |        | Al Hayat                       | TV       | DVB    | 5/6                  | 27.500     |   |            | Arabic                |  |       |        |
|                          |       |        | Radio Adjara                   | radio    | DVB    | 5/6                  | 27.500     |   |            | Georgian              |  |       |        |
|                          |       |        | <u>N</u>                       | package  | DVB-S2 | 2/3                  | 27.500     | Conax/Mediaguard 2                                  |            |                       |  |       |        |
|                          |       |        | MGM HD Polska                  | TV       | DVB-S2 | 2/3                  | 27.500     | Conax   |            | Polish                |  |       |        |
|                          |       |        | N Sport                        | TV       | DVB-S2 | 2/3                  | 27.500     | Conax   |            | Polish,Polish         |  |       |        |
|                          |       |        | FilmBox HD                     | TV       | DVB-S2 | 2/3                  | 27.500     | Conax/Mediaguard 2                                  |            | Czech,Polish          |  |       |        |
|                          |       |        | TVN                            | TV       | DVB-S2 | 2/3                  | 27.500     | Conax   |            | Polish,Polish         |  |       |        |
|                          |       |        | Discovery HD Europe            | TV       | DVB-S2 | 2/3                  | 27.500     | Conax   |            | Polish                |  |       |        |
|                          |       |        | VOD                            | TV       | DVB-S2 | 2/3                  | 27.500     | Conax   |            | Polish,English        |  |       |        |
|                          |       |        | D 11.471                       | V        | Europe | <u>SatLink</u>       | package    | DVB   | 5/6        | 27.500                |  |       |        |
|                          |       |        |                                |          |        | Tasvir e Iran        | TV         | DVB   | 5/6        | 27.500                |  | Farsi |        |
|                          |       |        |                                |          |        | PEN                  | TV         | DVB   | 5/6        | 27.500                |  | Farsi |        |
|                          |       |        |                                |          |        | RIK Sat              | TV         | DVB   | 5/6        | 27.500                |  | Greek |        |
| Satlink promo            | TV    | DVB    |                                |          |        | 5/6                  | 27.500     |   |            |                       |  |       |        |
| Omid-e-Iran              | TV    | DVB    |                                |          |        | 5/6                  | 27.500     |   | Farsi      |                       |  |       |        |
| MKTV Sat                 | TV    | DVB    |                                |          |        | 5/6                  | 27.500     |   | Macedonian |                       |  |       |        |
| Channel 6                | TV    | DVB    |                                |          |        | 5/6                  | 27.500     |   |            |                       |  |       |        |
| KlikSat                  | TV    | DVB    |                                |          |        | 5/6                  | 27.500     |   | Kurdish    |                       |  |       |        |
| Salaam TV                | TV    | DVB    |                                |          |        | 5/6                  | 27.500     |   | Arabic     |                       |  |       |        |
| Nickelodeon Polska       | TV    | DVB    |                                |          |        | 5/6                  | 27.500     | Conax/Cryptoworks                                   |            | Polish,English        |  |       |        |
| Mohabat TV               | TV    | DVB    |                                |          |        | 5/6                  | 27.500     |   | English    |                       |  |       |        |
| AssyriaSat               | TV    | DVB    |                                |          |        | 5/6                  | 27.500     |   |            |                       |  |       |        |
| Jaam e Jam International | TV    | DVB    |                                |          |        | 5/6                  | 27.500     |   | Farsi      |                       |  |       |        |
| Yahweh Prophetic TV      | TV    | DVB    |                                |          |        | 5/6                  | 27.500     |   | English    |                       |  |       |        |
| Iran TV Network          | TV    | DVB    |                                |          |        | 5/6                  | 27.500     |   | Farsi      |                       |  |       |        |
| Tapes TV                 | TV    | DVB    |                                |          |        | 5/6                  | 27.500     |   | Farsi      |                       |  |       |        |
| Ariana Afghanistan TV    | TV    | DVB    |                                |          |        | 5/6                  | 27.500     |   |            |                       |  |       |        |
| Al Malakoot TV           | TV    | DVB    |                                |          |        | 5/6                  | 27.500     |   |            |                       |  |       |        |
| Makedonsko Radio         | radio | DVB    |                                |          |        | 5/6                  | 27.500     |   | Macedonian |                       |  |       |        |
| Payam-e-Doost            | radio | DVB    |                                |          |        | 5/6                  | 27.500     |   | Farsi      |                       |  |       |        |
| Radio Mojdeh             | radio | DVB    |                                |          |        | 5/6                  | 27.500     |   | Farsi      |                       |  |       |        |
| D 11.488                 | H     | Europe |                                |          |        | <u>Cyfra +</u>       | package    | DVB   | 3/4        | 27.500                | Conax/Mediaguard 2/Nagravision 3/Viaccess 2.6/Viaccess 3.0 |       |        |
|                          |       |        | ITV                            | TV       | DVB    | 3/4                  | Y 27.500   |   | Polish     |                       |  |       |        |
|                          |       |        | TVP Sport                      | TV       | DVB    | 3/4                  | 27.500     | Mediaguard 2  |            | Polish                |  |       |        |
|                          |       |        | TVP Info                       | TV       | DVB    | 3/4                  | Y 27.500   | Conax/Mediaguard 2/Viaccess 3.0                     |            | Polish                |  |       |        |
|                          |       |        | Cinemax Central Europe         | TV       | DVB    | 3/4                  | 27.500     | Mediaguard 2/Nagravision 3                          |            | Polish                |  |       |        |
|                          |       |        | TV Puls                        | TV       | DVB    | 3/4                  | 27.500     |   | Polish     |                       |  |       |        |
|                          |       |        | Trace TV                       | TV       | DVB    | 3/4                  | 27.500     | Mediaguard 2/Viaccess 2.6                           |            | French                |  |       |        |
|                          |       |        | Kino Polska                    | TV       | DVB    | 3/4                  | 27.500     | Mediaguard 2/Nagravision 3                          |            | Polish                |  |       |        |
|                          |       |        | Zone Club Polska               | TV       | DVB    | 3/4                  | 27.500     | Mediaguard 2/Nagravision 3                          |            | Polish,English        |  |       |        |
|                          |       |        | Animal Planet Europe           | TV       | DVB    | 3/4                  | 27.500     | Mediaguard 2/Nagravision 3                          |            | Polish                |  |       |        |
|                          |       |        | TVP Kultura                    | TV       | DVB    | 3/4                  | Y 27.500   |   | Polish     |                       |  |       |        |
|                          |       |        | TVP Polonia                    | TV       | DVB    | 3/4                  | Y 27.500   |   | Polish     |                       |  |       |        |
|                          |       |        | CNBC Europe                    | TV       | DVB    | 3/4                  | 27.500     | Mediaguard 2  |            | English               |  |       |        |
|                          |       |        | Zone Reality Polska            | TV       | DVB    | 3/4                  | 27.500     | Mediaguard 2/Nagravision 3                          |            | Polish,English        |  |       |        |
|                          |       |        | D 11.508                       | V        | Europe | <u>Grupa ITI</u>     | package    | DVB   | 3/4        | 27.500                | Conax/Mediaguard 2/Viaccess 3.0                            |       |        |
|                          |       |        |                                |          |        | FilmBox Polska       | TV         | DVB   | 3/4        | 27.500                | Conax/Mediaguard 2   |       | Polish |
|                          |       |        |                                |          |        | FilmBox Extra Polska | TV         | DVB   | 3/4        | 27.500                | Conax/Mediaguard 2   |       | Polish |
| TVN Warszawa             | TV    | DVB    |                                |          |        | 3/4                  | Y 27.500   |   | Polish     |                       |  |       |        |
| TVN Lingua               | TV    | DVB    |                                |          |        | 3/4                  | 27.500     | Conax/Mediaguard 2/Viaccess 3.0                     |            | Polish                |  |       |        |
| Religia TV               | TV    | DVB    |                                |          |        | 3/4                  | 27.500     | Conax/Mediaguard 2/Viaccess 3.0                     |            | Polish                |  |       |        |
| TVP Sport                | TV    | DVB    | 3/4                            | 27.500   | Conax  |                      | Polish     |   |            |                       |  |       |        |

| Freq<br>(GHz)              | Pol   | Beam   | Channel                 | Analogue |        | Audio MHz                    | Text     | Access             | Lang.   |        |  |         |
|----------------------------|-------|--------|-------------------------|----------|--------|------------------------------|----------|--------------------|---------|--------|--|---------|
|                            |       |        |                         | Digital  | FEC    | MSy/s                        |          |                    |         |        |  |         |
| D 11.526                   | H     | Europe | FilmBox Family          | TV       | DVB    | 3/4                          | 27.500   | Conax/Mediaguard 2 | Polish  |        |  |         |
|                            |       |        | N Sport                 | TV       | DVB    | 3/4                          | 27.500   | Conax              | Polish  |        |  |         |
|                            |       |        | <u>SRG SSR</u>          | package  | DVB    | 3/4                          | 27.500   | Viaccess 2.6       |         |        |  |         |
|                            |       |        | TSR 1                   | TV       | DVB    | 3/4                          | Y 27.500 | Viaccess 2.6       | French  |        |  |         |
|                            |       |        | RSI La 1                | TV       | DVB    | 3/4                          | Y 27.500 | Viaccess 2.6       | Italian |        |  |         |
|                            |       |        | TSR 2                   | TV       | DVB    | 3/4                          | Y 27.500 | Viaccess 2.6       | French  |        |  |         |
|                            |       |        | RSI La 2                | TV       | DVB    | 3/4                          | Y 27.500 | Viaccess 2.6       | Italian |        |  |         |
|                            |       |        | RSR Espace 2            | radio    | DVB    | 3/4                          | 27.500   |                    | French  |        |  |         |
|                            |       |        | World Radio Switzerland | radio    | DVB    | 3/4                          | 27.500   |                    | English |        |  |         |
|                            |       |        | RSI Rete Tre            | radio    | DVB    | 3/4                          | 27.500   |                    | Italian |        |  |         |
|                            |       |        | RSI Rete Due            | radio    | DVB    | 3/4                          | 27.500   |                    | Italian |        |  |         |
|                            |       |        | RSI Rete Uno            | radio    | DVB    | 3/4                          | 27.500   |                    | Italian |        |  |         |
|                            |       |        | Couleur 3               | radio    | DVB    | 3/4                          | 27.500   |                    | French  |        |  |         |
|                            |       |        | RSR La 1ère             | radio    | DVB    | 3/4                          | 27.500   |                    | French  |        |  |         |
|                            |       |        | Radio Suisse Classique  | radio    | DVB    | 3/4                          | 27.500   |                    | French  |        |  |         |
|                            |       |        | RSR Option Musique      | radio    | DVB    | 3/4                          | 27.500   |                    | French  |        |  |         |
|                            |       |        | D 11.541                | V        | Europe | <u>M-Three satcom</u>        | package  | DVB                | 5/6     | 22.000 |  |         |
|                            |       |        |                         |          |        | Roma Uno                     | TV       | DVB                | 5/6     | 22.000 |  | Italian |
|                            |       |        |                         |          |        | 50 Canale                    | TV       | DVB                | 5/6     | 22.000 |  | Italian |
| RED                        | TV    | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Health & Beauty TV         | TV    | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| T Sat                      | TV    | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Umbria Channel Sat         | TV    | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Italia 8 Prestige          | TV    | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| YouDem TV                  | TV    | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Sardegna Channel Sat       | TV    | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| BergamoSat                 | TV    | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Thou TV                    | TV    | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Teletirreno                | TV    | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| La Nuova TV                | TV    | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Toscana Channel            | TV    | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Tivù Tivù                  | TV    | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Radio Buon Consiglio       | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| DiscoRadio                 | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Radio DeeJay               | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Radio Capital              | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| LifeGate Radio             | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Radio Padre Pio            | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Radio Sacra Famiglia InBlu | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Radio Millennium           | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Radio Kolbe                | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Virgin Radio Italia        | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Radio Cuore 2              | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Radio Cuore                | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Radio Kiss Kiss            | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| M2o                        | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Radio Onda d'Urto          | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Gye Nyame Radio            | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    |         |        |  |         |
| Radio Centro 95            | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Radio Iglesias             | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| Radio 24                   | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| R101                       | radio | DVB    |                         |          |        | 5/6                          | 22.000   |                    | Italian |        |  |         |
| D 11.566                   | H     | Europe |                         |          |        | <u>Overon</u>                | package  | DVB                | 3/4     | 27.500 |  |         |
|                            |       |        |                         |          |        | TBN Rossiya                  | TV       | DVB                | 3/4     | 27.500 |  | Russian |
|                            |       |        |                         |          |        | VoA TV Persian               | TV       | DVB                | 3/4     | 27.500 |  | Farsi   |
|                            |       |        |                         |          |        | Good Shepherd TV             | TV       | DVB                | 3/4     | 27.500 |  | Arabic  |
|                            |       |        |                         |          |        | Call Shop Teleshopping promo | TV       | DVB                | 3/4     | 27.500 |  |         |
|                            |       |        | Nour TV                 | TV       | DVB    | 3/4                          | 27.500   |                    | Farsi   |        |  |         |
|                            |       |        | Body Time TV            | TV       | DVB    | 3/4                          | 27.500   |                    | Farsi   |        |  |         |
|                            |       |        | Ulibka Rebyonka         | TV       | DVB    | 3/4                          | 27.500   |                    | Russian |        |  |         |
|                            |       |        | Smile of a Child TV     | TV       | DVB    | 3/4                          | 27.500   |                    | English |        |  |         |
|                            |       |        | The Healing Channel     | TV       | DVB    | 3/4                          | 27.500   |                    | Arabic  |        |  |         |
|                            |       |        | JCTV                    | TV       | DVB    | 3/4                          | 27.500   |                    | English |        |  |         |
|                            |       |        | The Church Channel      | TV       | DVB    | 3/4                          | 27.500   |                    | English |        |  |         |
|                            |       |        | TBN Italia              | TV       | DVB    | 3/4                          | 27.500   |                    | Italian |        |  |         |
|                            |       |        | Enlace TBN Europa       | TV       | DVB    | 3/4                          | 27.500   |                    | Spanish |        |  |         |
|                            |       |        | TBN Europe              | TV       | DVB    | 3/4                          | 27.500   |                    | English |        |  |         |
|                            |       |        | Nejat TV                | TV       | DVB    | 3/4                          | 27.500   |                    | Farsi   |        |  |         |
|                            |       |        | Barada TV               | TV       | DVB    | 3/4                          | 27.500   |                    | Arabic  |        |  |         |
|                            |       |        | Radio Kalima Tunisie    | radio    | DVB    | 3/4                          | 27.500   |                    | Arabic  |        |  |         |

| Freq<br>(GHz)             | Pol   | Beam   | Channel                              | Analogue |        | Audio MHz              | Text     | Access                             | Lang.      |        |  |         |
|---------------------------|-------|--------|--------------------------------------|----------|--------|------------------------|----------|------------------------------------|------------|--------|--|---------|
|                           |       |        |                                      | Digital  | FEC    | MSy/s                  |          |                                    |            |        |  |         |
| D 11.585                  | V     | Europe | <u>GlobeCast World TV</u>            | package  | DVB    | 3/4                    | 27.500   |                                    |            |        |  |         |
|                           |       |        | RTS Satelit                          | TV       | DVB    | 3/4                    | 27.500   |                                    | Serbian    |        |  |         |
|                           |       |        | Inspiration Network International    | TV       | DVB    | 3/4                    | 27.500   |                                    | English    |        |  |         |
|                           |       |        | Daystar TV                           | TV       | DVB    | 3/4                    | 27.500   |                                    | English    |        |  |         |
|                           |       |        | BFM TV                               | TV       | DVB    | 3/4                    | 27.500   |                                    | French     |        |  |         |
|                           |       |        | Private Spice                        | TV       | DVB    | 3/4                    | 27.500   | Irdeto 2/Viaccess 2.5/Viaccess 3.0 | English    |        |  |         |
|                           |       |        | TV Globo Internacional Europa/África | TV       | DVB    | 3/4                    | 27.500   | Nagravision 2/Viaccess 2.5         | Portuguese |        |  |         |
|                           |       |        | E*TV Satellite                       | TV       | DVB    | 3/4                    | 27.500   |                                    | Italian    |        |  |         |
|                           |       |        | EWTN UK                              | TV       | DVB    | 3/4                    | 27.500   |                                    | English    |        |  |         |
|                           |       |        | Kalaingar TV UK                      | TV       | DVB    | 3/4                    | 27.500   |                                    | Tamil      |        |  |         |
|                           |       |        | Tishk TV                             | TV       | DVB    | 3/4                    | 27.500   |                                    | Kurdish    |        |  |         |
|                           |       |        | Live-Casino                          | TV       | DVB    | 3/4                    | 27.500   |                                    | English    |        |  |         |
|                           |       |        | Ariana TV Network International      | TV       | DVB    | 3/4                    | 27.500   |                                    |            |        |  |         |
|                           |       |        | Islam Channel                        | TV       | DVB    | 3/4                    | 27.500   |                                    | English    |        |  |         |
|                           |       |        | Viva l'Italia Channel                | TV       | DVB    | 3/4                    | 27.500   |                                    | Italian    |        |  |         |
|                           |       |        | Payam TV                             | TV       | DVB    | 3/4                    | 27.500   |                                    | Arabic     |        |  |         |
|                           |       |        | Radio Beograd 1                      | radio    | DVB    | 3/4                    | 27.500   |                                    | Serbian    |        |  |         |
|                           |       |        | Payam Quran                          | radio    | DVB    | 3/4                    | 27.500   |                                    |            |        |  |         |
|                           |       |        | RFI Musique Moscou                   | radio    | DVB    | 3/4                    | 27.500   | Nagravision 2                      | Russian    |        |  |         |
|                           |       |        | D 11.604                             | H        | Europe | <u>Media Broadcast</u> | package  | DVB                                | 5/6        | 27.500 |  |         |
|                           |       |        |                                      |          |        | Gay Free TV            | TV       | DVB                                | 5/6        | 27.500 |  | Arabic  |
|                           |       |        |                                      |          |        | Al-Jameela TV          | TV       | DVB                                | 5/6        | 27.500 |  | Arabic  |
|                           |       |        |                                      |          |        | Xxx Action TV          | TV       | DVB                                | 5/6        | 27.500 |  | Arabic  |
|                           |       |        |                                      |          |        | Tele A più Sat         | TV       | DVB                                | 5/6        | 27.500 |  | Italian |
|                           |       |        |                                      |          |        | Tele A                 | TV       | DVB                                | 5/6        | 27.500 |  | Italian |
|                           |       |        |                                      |          |        | Pali                   | TV       | DVB                                | 5/6        | 27.500 |  | Russian |
|                           |       |        |                                      |          |        | Ethnic TV              | TV       | DVB                                | 5/6        | 27.500 |  | Czech   |
|                           |       |        |                                      |          |        | DM Digital Arabia      | TV       | DVB                                | 5/6        | 27.500 |  | Arabic  |
|                           |       |        |                                      |          |        | Lebniat TV             | TV       | DVB                                | 5/6        | 27.500 |  | Arabic  |
| Wala 3 Arab               | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | Arabic     |        |  |         |
| Arab XXX                  | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | Arabic     |        |  |         |
| Love TV                   | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | Arabic     |        |  |         |
| 7 armanat Nar             | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | Arabic     |        |  |         |
| Nisa 2 18+                | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | Arabic     |        |  |         |
| Arab Babes                | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | Arabic     |        |  |         |
| Erde & Mensch             | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | German     |        |  |         |
| Italiamia Sat             | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | Italian    |        |  |         |
| ASO Sat promo             | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    |            |        |  |         |
| RTL 2 Schweiz             | TV    | DVB    |                                      |          |        | 5/6                    | Y 27.500 |                                    | German     |        |  |         |
| Hot Arab                  | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | Arabic     |        |  |         |
| Arab 69                   | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | Arabic     |        |  |         |
| DW-TV Arabia              | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    |            |        |  |         |
| DW-TV Europe              | TV    | DVB    |                                      |          |        | 5/6                    | Y 27.500 |                                    |            |        |  |         |
| Napoli TLA                | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | Italian    |        |  |         |
| Das Erste                 | TV    | DVB    |                                      |          |        | 5/6                    | Y 27.500 |                                    | German     |        |  |         |
| Arab-Jins TV              | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | Arabic     |        |  |         |
| Allaj TV                  | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | Arabic     |        |  |         |
| Sexty9 Arab               | TV    | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | Arabic     |        |  |         |
| DW-Radio 8                | radio | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    |            |        |  |         |
| DW-Radio 9                | radio | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    |            |        |  |         |
| DW-Radio 3                | radio | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    |            |        |  |         |
| RNW 4                     | radio | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    |            |        |  |         |
| DW-Radio 4                | radio | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    |            |        |  |         |
| RNW 1                     | radio | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | Dutch      |        |  |         |
| China Radio International | radio | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    |            |        |  |         |
| DW-Radio 6                | radio | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    |            |        |  |         |
| DW-Radio 5                | radio | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    |            |        |  |         |
| DW-Radio 1                | radio | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | German     |        |  |         |
| DW-Radio M                | radio | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    |            |        |  |         |
| DW-Radio 2                | radio | DVB    |                                      |          |        | 5/6                    | 27.500   |                                    | English    |        |  |         |
| D 11.623                  | V     | Europe |                                      |          |        | <u>GlobeCast</u>       | package  | DVB                                | 3/4        | 27.500 |  |         |
|                           |       |        |                                      |          |        | Pianeta TV             | TV       | DVB                                | 3/4        | 27.500 |  | Italian |
|                           |       |        | KBS World                            | TV       | DVB    | 3/4                    | 27.500   | Mediaguard 2/Viaccess 2.5          | Korean     |        |  |         |
|                           |       |        | Carisma                              | TV       | DVB    | 3/4                    | 27.500   |                                    | Italian    |        |  |         |
|                           |       |        | TVR International                    | TV       | DVB    | 3/4                    | Y 27.500 |                                    | Romanian   |        |  |         |
|                           |       |        | Italia Channel                       | TV       | DVB    | 3/4                    | 27.500   |                                    | Italian    |        |  |         |
|                           |       |        | Dan Tamil Oli                        | TV       | DVB    | 3/4                    | 27.500   |                                    | Tamil      |        |  |         |
|                           |       |        | RTL 102.5 RadioVisione               | TV       | DVB    | 3/4                    | 27.500   |                                    | Italian    |        |  |         |
|                           |       |        | Cartomanzia Lotto                    | TV       | DVB    | 3/4                    | 27.500   |                                    | Italian    |        |  |         |
|                           |       |        | K+                                   | TV       | DVB    | 3/4                    | 27.500   |                                    | Russian    |        |  |         |

| Freq<br>(GHz)              | Pol | Beam   | Channel                          | Analogue |        | Audio MHz         | Text     | Access                                 | Lang. |               |  |  |        |
|----------------------------|-----|--------|----------------------------------|----------|--------|-------------------|----------|--|-------|---------------|--|--|--------|
|                            |     |        |                                  | Digital  | FEC    | MSy/s             |          |  |       |               |  |  |        |
| D 11.642                   | H   | Europe | ItaliaSat                        | TV       | DVB    | 3/4               | 27.500   |  |       | Italian       |  |  |        |
|                            |     |        | ARTE Français                    | TV       | DVB    | 3/4               | Y 27.500 |  |       | French,German |  |  |        |
|                            |     |        | Al Love                          | TV       | DVB    | 3/4               | 27.500   |  |       |               |  |  |        |
|                            |     |        | Abu Dhabi Al Riyadiya            | TV       | DVB    | 3/4               | 27.500   |  |       |               | Arabic   |  |        |
|                            |     |        | El Hob TV                        | TV       | DVB    | 3/4               | 27.500   |  |       |               |  |  |        |
|                            |     |        | Beur TV                          | TV       | DVB    | 3/4               | 27.500   |  |       |               | French   |  |        |
|                            |     |        | România în direct                | radio    | DVB    | 3/4               | 27.500   |  |       |               | Romanian   |  |        |
|                            |     |        | Tamil Alai                       | radio    | DVB    | 3/4               | 27.500   |  |       |               | Tamil  |  |        |
|                            |     |        | Radio România International      | radio    | DVB    | 3/4               | 27.500   |  |       |               |  |  |        |
|                            |     |        | RTL 102.5 Classic                | radio    | DVB    | 3/4               | 27.500   |  |       |               | Italian  |  |        |
|                            |     |        | RTL 102.5 Radio Guardia Costiera | radio    | DVB    | 3/4               | 27.500   |  |       |               | Italian  |  |        |
|                            |     |        | RTL 102.5 Italian Style          | radio    | DVB    | 3/4               | 27.500   |  |       |               | Italian  |  |        |
|                            |     |        | RTL 102.5 Groove                 | radio    | DVB    | 3/4               | 27.500   |  |       |               | Italian  |  |        |
|                            |     |        | RTL 102.5 FM                     | radio    | DVB    | 3/4               | 27.500   |  |       |               | Italian  |  |        |
|                            |     |        | ARTE Radio                       | radio    | DVB    | 3/4               | 27.500   |  |       |               | French   |  |        |
|                            |     |        | RadioClassica                    | radio    | DVB    | 3/4               | 27.500   |  |       |               | Italian  |  |        |
|                            |     |        | <u>Bloomberg TV</u>              | package  | DVB    | 3/4               | 27.500   |  |       |               |  |  |        |
|                            |     |        | Bloomberg TV Europe              | TV       | DVB    | 3/4               | 27.500   | PowerVu                                |       |               | English  |  |        |
|                            |     |        | Miracle                          | TV       | DVB    | 3/4               | 27.500   |  |       |               | Arabic   |  |        |
|                            |     |        | ERT World                        | TV       | DVB    | 3/4               | Y 27.500 |  |       |               | Greek  |  |        |
|                            |     |        | Turk 7                           | TV       | DVB    | 3/4               | 27.500   |  |       |               | Turkish  |  |        |
|                            |     |        | Sat 7 Pars                       | TV       | DVB    | 3/4               | 27.500   |  |       |               | Farsi  |  |        |
|                            |     |        | Bloomberg TV Europe              | TV       | DVB    | 3/4               | 27.500   | PowerVu                                |       |               | English  |  |        |
|                            |     |        | Sat 7 Kids                       | TV       | DVB    | 3/4               | 27.500   |  |       |               | Arabic   |  |        |
|                            |     |        | Bloomberg TV Europe              | TV       | DVB    | 3/4               | 27.500   |  |       |               | English  |  |        |
|                            |     |        | Bloomberg TV Europe              | TV       | DVB    | 3/4               | 27.500   | PowerVu                                |       |               | English  |  |        |
|                            |     |        | Bloomberg TV Europe              | TV       | DVB    | 3/4               | 27.500   |  |       |               | English  |  |        |
|                            |     |        | NET 105.8                        | radio    | DVB    | 3/4               | 27.500   |  |       |               | Greek  |  |        |
|                            |     |        | Deytero 103.7                    | radio    | DVB    | 3/4               | 27.500   |  |       |               | Greek  |  |        |
|                            |     |        | Trito Programma                  | radio    | DVB    | 3/4               | 27.500   |  |       |               | Greek  |  |        |
|                            |     |        | ERA Spor 101.8                   | radio    | DVB    | 3/4               | 27.500   |  |       |               | Greek  |  |        |
|                            |     |        | Voice of Greece                  | radio    | DVB    | 3/4               | 27.500   |  |       |               | Greek  |  |        |
|                            |     |        | D 11.662                         | V        | Europe | <u>Telespazio</u> | package  | DVB                                    | 3/4   | 27.500        |  |  |        |
| Lazio Channel              | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| AB Channel                 | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| Napoli Mia                 | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| Punto Sat 1                | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| Canale 8                   | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| MusicLife                  | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| TV 7 Lombardia             | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| Punto Sat 2                | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| Conto TV promo             | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| Italy Sat                  | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| Conto TV 2                 | TV  | DVB    |                                  |          |        | 3/4               | 27.500   | Conax/Videoguard                       |       |               | Italian  |  |        |
| Nostradamus                | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| Canale Italia              | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| Conto TV 1                 | TV  | DVB    |                                  |          |        | 3/4               | 27.500   | Conax/Videoguard                       |       |               | Italian  |  |        |
| Rolsat                     | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| TR 2 Sat                   | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| Libera                     | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| Telecolore                 | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| Blu                        | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| Italiani nel mondo Channel | TV  | DVB    |                                  |          |        | 3/4               | 27.500   |  |       | Italian       |  |  |        |
| D 11.681                   | H   | Europe |                                  |          |        | <u>Bis</u>        | package  | DVB                                    | 3/4   | 27.500        | Cryptoworks/Mediaguard 2/Viaccess 2.5/Viaccess 3.0 |  |        |
|                            |     |        |                                  |          |        | RTL 9             | TV       | DVB                                    | 3/4   | Y 27.500      | Cryptoworks/Mediaguard 2/Viaccess 2.5/Viaccess 3.0 |  | French |
|                            |     |        |                                  |          |        | Mangas            | TV       | DVB                                    | 3/4   | Y 27.500      | Mediaguard 2/Viaccess 2.5/Viaccess 3.0             |  | French |
|                            |     |        |                                  |          |        | Action            | TV       | DVB                                    | 3/4   | Y 27.500      | Mediaguard 2/Viaccess 2.5/Viaccess 3.0             |  | French |
|                            |     |        |                                  |          |        | NT1               | TV       | DVB                                    | 3/4   | Y 27.500      | Mediaguard 2/Viaccess 2.5/Viaccess 3.0             |  | French |
|                            |     |        |                                  |          |        | Toute l'Histoire  | TV       | DVB                                    | 3/4   | Y 27.500      | Mediaguard 2/Viaccess 2.5/Viaccess 3.0             |  | French |
|                            |     |        | TF 1                             | TV       | DVB    | 3/4               | 27.500   | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 |       | French        |  |  |        |
|                            |     |        | France 5                         | TV       | DVB    | 3/4               | 27.500   | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 |       | French        |  |  |        |
|                            |     |        | XXL                              | TV       | DVB    | 3/4               | Y 27.500 | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 |       | French        |  |  |        |
|                            |     |        | Chasse & Pêche                   | TV       | DVB    | 3/4               | Y 27.500 | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 |       | French        |  |  |        |
|                            |     |        | Animaux                          | TV       | DVB    | 3/4               | 27.500   | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 |       | French        |  |  |        |
|                            |     |        | AB Moteurs                       | TV       | DVB    | 3/4               | Y 27.500 | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 |       | French        |  |  |        |
|                            |     |        | AB 1                             | TV       | DVB    | 3/4               | Y 27.500 | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 |       | French        |  |  |        |
|                            |     |        | Escales                          | TV       | DVB    | 3/4               | Y 27.500 | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 |       | French        |  |  |        |
|                            |     |        | LCP                              | TV       | DVB    | 3/4               | 27.500   | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 |       | French        |  |  |        |

| Freq<br>(GHz)           | Pol   | Beam   | Channel                               | Analogue |        | Audio MHz  | Text       | Access                                 | Lang.          |           |
|-------------------------|-------|--------|---------------------------------------|----------|--------|------------|------------|--|----------------|-----------|
|                         |       |        |                                       | Digital  | FEC    | MSy/s      |            |  |                |           |
| D 11.727                | V     | Europe | Videoclick                            | TV       | DVB    | 3/4        | 27.500     | Mediaguard 2/Viaccess 2.5              | French         |           |
|                         |       |        | France Ô                              | TV       | DVB    | 3/4        | 27.500     | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 | French         |           |
|                         |       |        | Encyclopedia                          | TV       | DVB    | 3/4        | Y 27.500   | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 | French         |           |
|                         |       |        | <u>TSA</u>                            | package  | DVB    | 3/4        | 27.500     |  |                |           |
|                         |       |        | Teleitalia                            | TV       | DVB    | 3/4        | 27.500     | Conax/Irdeto 2/Viaccess/Viaccess 2.6   |                | Italian   |
|                         |       |        | BBC Arabic                            | TV       | DVB    | 3/4        | 27.500     |  |                | Arabic    |
|                         |       |        | Teleitalia promo                      | TV       | DVB    | 3/4        | 27.500     |  |                | Italian   |
|                         |       |        | AVA Music Channel                     | TV       | DVB    | 3/4        | 27.500     |  |                | Farsi     |
|                         |       |        | TVE Internacional Europe              | TV       | DVB    | 3/4        | Y 27.500   |  |                | Spanish   |
|                         |       |        | TVE Internacional Asia-Africa         | TV       | DVB    | 3/4        | Y 27.500   |  |                | Spanish   |
|                         |       |        | DM Digital Euro                       | TV       | DVB    | 3/4        | 27.500     |  |                |           |
|                         |       |        | Satisfaction TV                       | TV       | DVB    | 3/4        | 27.500     | Conax/Irdeto 2/Viaccess 2.6            |                |           |
|                         |       |        | Canal 24 Horas                        | TV       | DVB    | 3/4        | Y 27.500   |  |                | Spanish   |
|                         |       |        | Satisfaction Plus                     | TV       | DVB    | 3/4        | 27.500     | Conax/Irdeto 2/Viaccess 2.6            |                |           |
|                         |       |        | Satisfaction promo                    | TV       | DVB    | 3/4        | 27.500     | Conax/Irdeto 2/Viaccess 2.6            |                |           |
|                         |       |        | Satisfaction Italy                    | TV       | DVB    | 3/4        | 27.500     | Conax/Irdeto 2/Viaccess 2.6            |                |           |
|                         |       |        | Tak TV                                | TV       | DVB    | 3/4        | 27.500     |  |                | English   |
|                         |       |        | Satisfaction Golden Girls             | TV       | DVB    | 3/4        | 27.500     | Conax/Irdeto 2/Viaccess 2.6            |                |           |
|                         |       |        | BBC World Service Balkan              | radio    | DVB    | 3/4        | 27.500     |  |                |           |
|                         |       |        | BBC World Service Romanian            | radio    | DVB    | 3/4        | 27.500     |  |                | Romanian  |
|                         |       |        | BBC World Service Russian             | radio    | DVB    | 3/4        | 27.500     |  |                | Russian   |
|                         |       |        | BBC World Service Turkish             | radio    | DVB    | 3/4        | 27.500     |  |                | Turkish   |
|                         |       |        | BBC World Service Ukrainian           | radio    | DVB    | 3/4        | 27.500     |  |                | Ukrainian |
|                         |       |        | BBC World Service Persian             | radio    | DVB    | 3/4        | 27.500     |  |                | Farsi     |
|                         |       |        | RNE Radio 3                           | radio    | DVB    | 3/4        | 27.500     |  |                | Spanish   |
|                         |       |        | BBC World Service Albanian            | radio    | DVB    | 3/4        | 27.500     |  |                | Albanian  |
|                         |       |        | BBC World Service Arabic              | radio    | DVB    | 3/4        | 27.500     |  |                | Arabic    |
|                         |       |        | BBC World Service English News        | radio    | DVB    | 3/4        | 27.500     |  |                | English   |
|                         |       |        | BBC World Service English Middle East | radio    | DVB    | 3/4        | 27.500     |  |                | English   |
|                         |       |        | BBC World Service English Europe      | radio    | DVB    | 3/4        | 27.500     |  |                | English   |
|                         |       |        | RNE Ràdio 4                           | radio    | DVB    | 3/4        | 27.500     |  |                | Catalan   |
|                         |       |        | Radio Exterior de España              | radio    | DVB    | 3/4        | 27.500     |  |                |           |
|                         |       |        | RNE Radio 5                           | radio    | DVB    | 3/4        | 27.500     |  |                | Spanish   |
| RNE Radio Nacional      | radio | DVB    | 3/4                                   | 27.500   |        |            | Spanish    |  |                |           |
| RNE Radio Clásica       | radio | DVB    | 3/4                                   | 27.500   |        |            | Spanish    |  |                |           |
| BBC World Service Azeri | radio | DVB    | 3/4                                   | 27.500   |        |            | Azerbaijan |  |                |           |
| D 11.747                | H     | Europe | <u>Du</u>                             | package  | DVB    | 3/4        | 27.500     |  |                |           |
|                         |       |        | MBC Maghreb Al-Arabia                 | TV       | DVB    | 3/4        | 27.500     |  | Arabic         |           |
|                         |       |        | ME Shop                               | TV       | DVB    | 3/4        | 27.500     |  | Arabic         |           |
|                         |       |        | EZ Shop                               | TV       | DVB    | 3/4        | 27.500     |  | Arabic         |           |
|                         |       |        | Al Arabiya                            | TV       | DVB    | 3/4        | 27.500     |  | Arabic         |           |
|                         |       |        | Dubai TV Europe                       | TV       | DVB    | 3/4        | 27.500     |  | Arabic         |           |
|                         |       |        | Dubai Sports 3                        | TV       | DVB    | 3/4        | 27.500     |  | English,Arabic |           |
|                         |       |        | Sama Dubai                            | TV       | DVB    | 3/4        | 27.500     |  | Arabic         |           |
|                         |       |        | PMC                                   | TV       | DVB    | 3/4        | 27.500     |  | Farsi          |           |
|                         |       |        | Al Sharqiya TV                        | TV       | DVB    | 3/4        | 27.500     |  | Arabic         |           |
|                         |       |        | MBC FM                                | radio    | DVB    | 3/4        | 27.500     |  | Arabic         |           |
|                         |       |        | D 11.766                              | V        | Europe | <u>RAI</u> | package    | DVB                                    | 2/3            | 27.500    |
| Rai Uno                 | TV    | DVB    |                                       |          |        | 2/3        | Y 27.500   |  | Italian        |           |
| Rai Due                 | TV    | DVB    |                                       |          |        | 2/3        | Y 27.500   |  | Italian        |           |
| Rai Tre                 | TV    | DVB    |                                       |          |        | 2/3        | Y 27.500   |  | Italian        |           |
| Rai Med                 | TV    | DVB    |                                       |          |        | 2/3        | 27.500     |  | Italian        |           |
| Senato TV               | TV    | DVB    |                                       |          |        | 2/3        | 27.500     |  | Italian        |           |
| Rai Edu 1               | TV    | DVB    |                                       |          |        | 2/3        | 27.500     |  | Italian        |           |
| Filodiffusione 4        | radio | DVB    |                                       |          |        | 2/3        | 27.500     |  | Italian        |           |
| Rai Notturmo Italiano   | radio | DVB    |                                       |          |        | 2/3        | 27.500     |  | Italian        |           |
| Filodiffusione 4        | radio | DVB    |                                       |          |        | 2/3        | 27.500     |  | Italian        |           |
| A 11.785                | H     | Europe | <u>Sky Italia</u>                     | package  | DVB    | 3/4        | 27.500     | Videoguard                             |                |           |
|                         |       |        | Sky Cinema HD +24                     | TV       | DVB    | 3/4        | 27.500     | Videoguard                             | Italian        |           |
|                         |       |        | Sky Primafila HD                      | TV       | DVB    | 3/4        | 27.500     | Videoguard                             | Italian        |           |
| D 11.804                | V     | Europe | <u>Sky Focus</u>                      | TV       | DVB    | 3/4        | 27.500     | Videoguard                             | Italian        |           |
|                         |       |        | <u>RAI</u>                            | package  | DVB    | 2/3        | 27.500     |  |                |           |
|                         |       |        | Rai Storia                            | TV       | DVB    | 2/3        | 27.500     |  | Italian        |           |
|                         |       |        | Rai Sport più                         | TV       | DVB    | 2/3        | 27.500     |  | Italian        |           |
|                         |       |        | Rai News 24                           | TV       | DVB    | 2/3        | 27.500     |  | Italian        |           |
|                         |       |        | Camera dei Deputati                   | TV       | DVB    | 2/3        | 27.500     |  | Italian        |           |
|                         |       |        | Sat 2000                              | TV       | DVB    | 2/3        | Y 27.500   |  | Italian        |           |
|                         |       |        | Rai Gulp                              | TV       | DVB    | 2/3        | 27.500     |  | Italian        |           |
| Rai Nettuno Sat Uno     | TV    | DVB    | 2/3                                   | 27.500   |        | Italian    |            |  |                |           |

| Freq<br>(GHz)             | Pol   | Beam   | Channel                            | Analogue Audio MHz |            | Text<br>MSy/s | Access   | Lang.                      |         |
|---------------------------|-------|--------|------------------------------------|--------------------|------------|---------------|----------|----------------------------|---------|
|                           |       |        |                                    | Digital            | FEC        |               |          |                            |         |
| D 11.823                  | H     | Europe | Rai Radio 3                        | radio              | DVB        | 2/3           | 27.500   |                            | Italian |
|                           |       |        | Radio InBlu                        | radio              | DVB        | 2/3           | 27.500   |                            | Italian |
|                           |       |        | Rai Radio 2                        | radio              | DVB        | 2/3           | 27.500   |                            | Italian |
|                           |       |        | Isoradio                           | radio              | DVB        | 2/3           | 27.500   |                            | Italian |
|                           |       |        | GR Parlamento                      | radio              | DVB        | 2/3           | 27.500   |                            | Italian |
|                           |       |        | Filodiffusione 5                   | radio              | DVB        | 2/3           | 27.500   |                            | Italian |
|                           |       |        | Rai Radio 1                        | radio              | DVB        | 2/3           | 27.500   |                            | Italian |
|                           |       |        | Vatican Radio 105 FM               | radio              | DVB        | 2/3           | 27.500   |                            |         |
|                           |       |        | <u>Nova</u>                        | package            | DVB        | 3/4           | 27.500   | Irdeto 2                   |         |
|                           |       |        | Alter Channel                      | TV                 | DVB        | 3/4           | Y 27.500 | Irdeto 2                   | Greek   |
|                           |       |        | Star Channel                       | TV                 | DVB        | 3/4           | Y 27.500 | Irdeto 2                   | Greek   |
|                           |       |        | Alpha TV                           | TV                 | DVB        | 3/4           | Y 27.500 | Irdeto 2                   | Greek   |
|                           |       |        | ANT 1                              | TV                 | DVB        | 3/4           | Y 27.500 | Irdeto 2                   | Greek   |
|                           |       |        | Mega TV                            | TV                 | DVB        | 3/4           | Y 27.500 | Irdeto 2                   | Greek   |
|                           |       |        | Novasports 1                       | TV                 | DVB        | 3/4           | 27.500   | Irdeto 2                   | Greek   |
|                           |       |        | Novacinema 1                       | TV                 | DVB        | 3/4           | 27.500   | Irdeto 2                   | Greek   |
| Jetix Hellas              | TV    | DVB    | 3/4                                | 27.500             | Irdeto 2   | Greek,English |          |                            |         |
| Melodia FM 99.2           | radio | DVB    | 3/4                                | 27.500             | Irdeto 2   | Greek         |          |                            |         |
| SKAI 100.3 FM             | radio | DVB    | 3/4                                | 27.500             | Irdeto 2   | Greek         |          |                            |         |
| Ecclesia Radio            | radio | DVB    | 3/4                                | 27.500             | Irdeto 2   | Greek         |          |                            |         |
| Love Radio 97.5           | radio | DVB    | 3/4                                | 27.500             | Irdeto 2   | Greek         |          |                            |         |
| D 11.843                  | V     | Europe | <u>Sky Italia</u>                  | package            | DVB        | 3/4           | 27.500   | Videoguard                 |         |
|                           |       |        | Fox Crime Italia +1                | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
|                           |       |        | Jimmy Italia                       | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
|                           |       |        | The History Channel Italia         | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
|                           |       |        | Caccia e Pesca                     | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
|                           |       |        | GXT                                | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
|                           |       |        | Sky Inside                         | TV                 | DVB        | 3/4           | 27.500   |                            | Italian |
|                           |       |        | Yacht & Sail Channel               | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
|                           |       |        | JimJam Italia                      | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
|                           |       |        | Moto TV                            | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
|                           |       |        | <u>Sky Italia</u>                  | package            | DVB        | 3/4           | 27.500   | Videoguard                 |         |
|                           |       |        | Sky TG 24 active In primo piano    | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
| Nat Geo Music             | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| SNAI Sat                  | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Current TV Italia         | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| FX Italia                 | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky TG 24 active Speciale | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky TG 24                 | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky TG 24 active Sport    | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky TG 24 active mosaic   | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky Meteo 24              | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky TG 24 active 5        | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| D 11.881                  | V     | Europe | <u>Sky Italia</u>                  | package            | DVB        | 3/4           | 27.500   | Videoguard                 |         |
|                           |       |        | Fox Italia +1                      | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
|                           |       |        | National Geographic Channel Italia | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
|                           |       |        | Marco Polo                         | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
|                           |       |        | Nuvolari                           | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
|                           |       |        | Alice                              | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
|                           |       |        | Leonardo                           | TV                 | DVB        | 3/4           | 27.500   | Videoguard                 | Italian |
|                           |       |        | <u>Sky Italia</u>                  | package            | DVB        | 3/4           | 27.500   | Videoguard                 |         |
| Sky Primafila 8           | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky Primafila 25          | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky Calcio 8              | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky Calcio 13             | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky Calcio 12             | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky Calcio 11             | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky Calcio 10             | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky Primafila 17          | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky Primafila 24          | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky Primafila 3           | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky Primafila 16          | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky Sport 16:9            | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| Sky Calcio 9              | TV    | DVB    | 3/4                                | 27.500             | Videoguard | Italian       |          |                            |         |
| D 11.919                  | V     | Europe | <u>Mediaset</u>                    | package            | DVB        | 2/3           | 27.500   |                            |         |
|                           |       |        | Rete 4                             | TV                 | DVB        | 2/3           | Y 27.500 |                            | Italian |
|                           |       |        | Boing                              | TV                 | DVB        | 2/3           | 27.500   | Mediaguard 2/Nagravision 3 | Italian |
|                           |       |        | MediaShopping                      | TV                 | DVB        | 2/3           | 27.500   |                            | Italian |
|                           |       |        | Iris                               | TV                 | DVB        | 2/3           | 27.500   | Mediaguard 2/Nagravision 3 | Italian |
|                           |       |        | Canale 5                           | TV                 | DVB        | 2/3           | Y 27.500 |                            | Italian |

| Freq<br>(GHz)                         | Pol   | Beam   | Channel                               | Analogue  |              | Audio MHz           | Text<br>MSy/s | Access       | Lang.          |        |            |         |
|---------------------------------------|-------|--------|---------------------------------------|-----------|--------------|---------------------|---------------|--------------|----------------|--------|------------|---------|
|                                       |       |        |                                       | Digital   | FEC          |                     |               |              |                |        |            |         |
| D 11.938                              | H     | Europe | Italia 1                              | TV        | DVB          | 2/3                 | Y 27.500      |              | Italian        |        |            |         |
|                                       |       |        | Radio Mater                           | radio     | DVB          | 2/3                 | 27.500        |              | Italian        |        |            |         |
|                                       |       |        | Nova                                  | package   | DVB          | 3/4                 | 27.500        | Irdeto 2     |                |        |            |         |
|                                       |       |        | Nova promo                            | TV        | DVB          | 3/4                 | 27.500        |              | Greek          |        |            |         |
|                                       |       |        | Private Spice                         | TV        | DVB          | 3/4                 | 27.500        | Irdeto 2     | English        |        |            |         |
|                                       |       |        | Novacinema 3                          | TV        | DVB          | 3/4                 | 27.500        | Irdeto 2     | Greek          |        |            |         |
|                                       |       |        | Novasports 4                          | TV        | DVB          | 3/4                 | 27.500        | Irdeto 2     | Greek          |        |            |         |
|                                       |       |        | Novasports Highlights                 | TV        | DVB          | 3/4                 | 27.500        | Irdeto 2     | Greek          |        |            |         |
|                                       |       |        | Novasports 6                          | TV        | DVB          | 3/4                 | 27.500        | Irdeto 2     | Greek          |        |            |         |
|                                       |       |        | E! Emea                               | TV        | DVB          | 3/4                 | 27.500        | Irdeto 2     | English        |        |            |         |
|                                       |       |        | Chasse & Pêche                        | TV        | DVB          | 3/4                 | 27.500        | Irdeto 2     | French         |        |            |         |
|                                       |       |        | Playboy TV                            | TV        | DVB          | 3/4                 | 27.500        | Irdeto 2     | English        |        |            |         |
|                                       |       |        | Alfa TV                               | TV        | DVB          | 3/4                 | 27.500        | Irdeto 2     | English,Greek  |        |            |         |
|                                       |       |        | Lumiere TV                            | TV        | DVB          | 3/4                 | 27.500        | Irdeto 2     | English,Greek  |        |            |         |
|                                       |       |        | Boomerang Europe                      | TV        | DVB          | 3/4                 | 27.500        | Irdeto 2     | English        |        |            |         |
|                                       |       |        | The History Channel South Africa      | TV        | DVB          | 3/4                 | 27.500        | Irdeto 2     | English        |        |            |         |
|                                       |       |        | Mad Radio 106.2                       | radio     | DVB          | 3/4                 | 27.500        | Irdeto 2     | Greek          |        |            |         |
|                                       |       |        | Nova games                            | interacti | DVB          | 3/4                 | 27.500        | Irdeto 2     |                |        |            |         |
|                                       |       |        | D 11.958                              | V         | Europe       | Sky Italia          | package       | DVB          | 3/4            | 27.500 | Videoguard |         |
| Sky Sport 1                           | TV    | DVB    |                                       |           |              | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
| Discovery Channel Italia              | TV    | DVB    |                                       |           |              | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
| Sky Sport 24                          | TV    | DVB    |                                       |           |              | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
| Sky Sports Active 3                   | TV    | DVB    |                                       |           |              | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
| Toon Disney Italia                    | TV    | DVB    |                                       |           |              | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
| Sky Sports Active 2                   | TV    | DVB    |                                       |           |              | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
| Sky Sports Active 1                   | TV    | DVB    |                                       |           |              | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
| Sky Sport 2                           | TV    | DVB    |                                       |           |              | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
| Sky SuperCalcio                       | TV    | DVB    |                                       |           |              | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
| D 11.977                              | H     | Europe |                                       |           |              | Sky Italia          | package       | DVB          | 3/4            | 27.500 | Videoguard |         |
|                                       |       |        |                                       |           |              | Fox Italia          | TV            | DVB          | 3/4            | 27.500 | Videoguard | Italian |
|                                       |       |        |                                       |           |              | Nat Geo Wild Italia | TV            | DVB          | 3/4            | 27.500 | Videoguard | Italian |
|                                       |       |        | Fox Life Italia                       | TV        | DVB          | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
|                                       |       |        | Nat Geo Adventure                     | TV        | DVB          | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
|                                       |       |        | Fox Crime Italia                      | TV        | DVB          | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
|                                       |       |        | Zone Fantasy                          | TV        | DVB          | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
|                                       |       |        | Jetix Italia                          | TV        | DVB          | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
|                                       |       |        | Cartoon Network Italia                | TV        | DVB          | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
|                                       |       |        | The History Channel Italia +1         | TV        | DVB          | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
|                                       |       |        | Cult                                  | TV        | DVB          | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
|                                       |       |        | National Geographic Channel Italia +1 | TV        | DVB          | 3/4                 | 27.500        | Videoguard   | Italian        |        |            |         |
|                                       |       |        | A 11.996                              | V         | Europe       | Sky Italia          | package       | DVB-S2       | 2/3            | 27.500 | Videoguard |         |
| Sky Sport HD 1                        | TV    | DVB-S2 |                                       |           |              | 2/3                 | 27.500        | Videoguard   | Italian        |        |            |         |
| Sky Sport HD 2                        | TV    | DVB-S2 |                                       |           |              | 2/3                 | 27.500        | Videoguard   | Italian        |        |            |         |
| National Geographic Channel HD Italia | TV    | DVB-S2 |                                       |           |              | 2/3                 | 27.500        | Videoguard   | Italian        |        |            |         |
| Sky Cinema HD                         | TV    | DVB-S2 |                                       |           |              | 2/3                 | 27.500        | Videoguard   | Italian        |        |            |         |
| D 12.015                              | H     | Europe | Next HD                               | TV        | DVB-S2       | 2/3                 | 27.500        | Videoguard   | Italian        |        |            |         |
|                                       |       |        | Arabesque                             | package   | DVB          | 3/4                 | 27.500        | Viaccess 2.5 |                |        |            |         |
|                                       |       |        | LBC Europe                            | TV        | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic         |        |            |         |
|                                       |       |        | ART Sports 3                          | TV        | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic,English |        |            |         |
|                                       |       |        | ART Hekayat                           | TV        | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic         |        |            |         |
|                                       |       |        | ART Sports 4                          | TV        | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic,English |        |            |         |
|                                       |       |        | ART Sports 2                          | TV        | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic,English |        |            |         |
|                                       |       |        | ART Hekayat Kaman                     | TV        | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic         |        |            |         |
|                                       |       |        | ART Cinema                            | TV        | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic         |        |            |         |
|                                       |       |        | Iqraa                                 | TV        | DVB          | 3/4                 | 27.500        |              | Arabic         |        |            |         |
|                                       |       |        | Future News                           | TV        | DVB          | 3/4                 | 27.500        |              | Arabic         |        |            |         |
|                                       |       |        | ART Sports 6                          | TV        | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic         |        |            |         |
|                                       |       |        | ART Movie 2                           | TV        | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic         |        |            |         |
|                                       |       |        | ART Movie 1                           | TV        | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic         |        |            |         |
|                                       |       |        | ART Sports 5                          | TV        | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic         |        |            |         |
|                                       |       |        | ART Prime Sport                       | TV        | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic         |        |            |         |
|                                       |       |        | ART Sports 1                          | TV        | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic,English |        |            |         |
|                                       |       |        | Program One                           | radio     | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic         |        |            |         |
|                                       |       |        | Program Two                           | radio     | DVB          | 3/4                 | 27.500        | Viaccess 2.5 | Arabic         |        |            |         |
|                                       |       |        | ART Al-Thekr                          | radio     | DVB          | 3/4                 | 27.500        |              | Arabic         |        |            |         |
| Radio Quran                           | radio | DVB    | 3/4                                   | 27.500    | Viaccess 2.5 | Arabic              |               |              |                |        |            |         |
| D 12.034                              | V     | Europe | Sky Italia                            | package   | DVB          | 3/4                 | 27.500        | Videoguard   |                |        |            |         |
|                                       |       |        | ESPN America Europe                   | TV        | DVB          | 3/4                 | 27.500        | Videoguard   | English        |        |            |         |
|                                       |       |        | Sky Cinema                            | TV        | DVB          | 3/4                 | Y 27.500      | Videoguard   | Italian        |        |            |         |

| Freq<br>(GHz)                    | Pol   | Beam   | Channel                          | Analogue |            | Audio MHz                                   | Text<br>MSy/s | Access     | Lang.     |        |  |         |
|----------------------------------|-------|--------|----------------------------------|----------|------------|---|---------------|------------|-----------|--------|--|---------|
|                                  |       |        |                                  | Digital  | FEC        |   |               |            |           |        |  |         |
| D 12.054                         | H     | Europe | Sky Cinema Mania                 | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Cinema Family                | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | RaiSat Prem1um                   | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Disney Channel Italia            | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Uno +1                       | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Cinema Max                   | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | E! Italia                        | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Playhouse Disney Italia          | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | <u>Sky Italia</u>                | package  | DVB        | 3/4   | 27.500        | Videoguard |           |        |  |         |
|                                  |       |        | Sky Uno                          | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Sport Extra                  | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Cinema Hits                  | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Cinema +1                    | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Calcio 1                     | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Calcio 14                    | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Sport 3                      | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
| Sky Cinema Classics              | TV    | DVB    | 3/4                              | 27.500   | Videoguard | Italian                                     |               |            |           |        |  |         |
| D 12.073                         | V     | Europe | <u>Sky Italia</u>                | package  | DVB        | 3/4   | 27.500        | Videoguard |           |        |  |         |
|                                  |       |        | Sky Calcio 5                     | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Calcio 6                     | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Calcio 7                     | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Primafila 5                  | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Calcio 3                     | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Calcio 2                     | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Primafila 35                 | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Primafila 34                 | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Calcio 4                     | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Primafila 33                 | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Primafila 32                 | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Sky Primafila 11                 | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | <u>Sky Italia</u>                | package  | DVB        | 3/4   | 27.500        | Videoguard |           |        |  |         |
|                                  |       |        | Sky HD promo                     | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | AXN Italia                       | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
| Deejay TV                        | TV    | DVB    | 3/4                              | 27.500   | Videoguard | Italian                                     |               |            |           |        |  |         |
| RaiSat Smash Girls               | TV    | DVB    | 3/4                              | 27.500   | Videoguard | Italian                                     |               |            |           |        |  |         |
| Discovery Travel & Living Europe | TV    | DVB    | 3/4                              | 27.500   | Videoguard | Italian                                     |               |            |           |        |  |         |
| Discovery Science Channel        | TV    | DVB    | 3/4                              | 27.500   | Videoguard | Italian                                     |               |            |           |        |  |         |
| GXT +1                           | TV    | DVB    | 3/4                              | 27.500   | Videoguard | Italian                                     |               |            |           |        |  |         |
| D 12.092                         | H     | Europe | <u>Sky Italia</u>                | package  | DVB        | 3/4   | 27.500        | Videoguard |           |        |  |         |
|                                  |       |        | Sky HD promo                     | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | AXN Italia                       | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Deejay TV                        | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | RaiSat Smash Girls               | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Discovery Travel & Living Europe | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | Discovery Science Channel        | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | GXT +1                           | TV       | DVB        | 3/4   | 27.500        | Videoguard | Italian   |        |  |         |
|                                  |       |        | D 12.111                         | V        | Europe     | <u>Telespazio</u>                           | package       | DVB        | 3/4       | 27.500 |  |         |
|                                  |       |        |                                  |          |            | Al Jazeera Mobasher                         | TV            | DVB        | 3/4       | 27.500 |  | Arabic  |
|                                  |       |        |                                  |          |            | TeleFoggia                                  | TV            | DVB        | 3/4       | 27.500 |  | Italian |
|                                  |       |        |                                  |          |            | Al Jazeera Documentary                      | TV            | DVB        | 3/4       | 27.500 |  | Arabic  |
|                                  |       |        |                                  |          |            | Architecture Construction Materials Channel | TV            | DVB        | 3/4       | 27.500 |  | Italian |
|                                  |       |        |                                  |          |            | Al Jazeera Channel                          | TV            | DVB        | 3/4       | 27.500 |  | Arabic  |
|                                  |       |        |                                  |          |            | Sicilia Channel                             | TV            | DVB        | 3/4       | 27.500 |  | Italian |
|                                  |       |        |                                  |          |            | Radio Radio TV                              | TV            | DVB        | 3/4       | 27.500 |  | Italian |
|                                  |       |        |                                  |          |            | Telemarket 2                                | TV            | DVB        | 3/4       | 27.500 |  | Italian |
|                                  |       |        |                                  |          |            | Sender Neu Jerusalem                        | TV            | DVB        | 3/4       | 27.500 |  | German  |
|                                  |       |        |                                  |          |            | Challenger TV                               | TV            | DVB        | 3/4       | 27.500 |  | Italian |
|                                  |       |        |                                  |          |            | Puglia Channel                              | TV            | DVB        | 3/4       | 27.500 |  | Italian |
|                                  |       |        |                                  |          |            | High Life TV                                | TV            | DVB        | 3/4       | 27.500 |  | Italian |
|                                  |       |        |                                  |          |            | Mediterraneo Sat                            | TV            | DVB        | 3/4       | 27.500 |  | Italian |
|                                  |       |        |                                  |          |            | Dimensione Suono Roma                       | radio         | DVB        | 3/4       | 27.500 |  | Italian |
|                                  |       |        |                                  |          |            | Radio Zeta                                  | radio         | DVB        | 3/4       | 27.500 |  | Italian |
| Radio Dimensione Suono           | radio | DVB    | 3/4                              | 27.500   |            | Italian                                     |               |            |           |        |  |         |
| CRC FM                           | radio | DVB    | 3/4                              | 27.500   |            | Italian                                     |               |            |           |        |  |         |
| Radio Italia Anni 60             | radio | DVB    | 3/4                              | 27.500   |            | Italian                                     |               |            |           |        |  |         |
| Radio Popolare                   | radio | DVB    | 3/4                              | 27.500   |            | Italian                                     |               |            |           |        |  |         |
| Radio Italia                     | radio | DVB    | 3/4                              | 27.500   |            | Italian                                     |               |            |           |        |  |         |
| Radio Maria Italia               | radio | DVB    | 3/4                              | 27.500   |            | Italian                                     |               |            |           |        |  |         |
| Radio EuroSpin                   | radio | DVB    | 3/4                              | 27.500   |            | Italian                                     |               |            |           |        |  |         |
| Radio Padania Libera             | radio | DVB    | 3/4                              | 27.500   |            | Italian                                     |               |            |           |        |  |         |
| Radio Radicale                   | radio | DVB    | 3/4                              | 27.500   |            | Italian                                     |               |            |           |        |  |         |
| Radio Radio                      | radio | DVB    | 3/4                              | 27.500   |            | Italian                                     |               |            |           |        |  |         |
| D 12.130                         | H     | Europe | <u>M2</u>                        | package  | DVB        | 3/4   | 27.500        |            |           |        |  |         |
|                                  |       |        | M2                               | TV       | DVB        | 3/4   | Y 27.500      |            | Hungarian |        |  |         |
|                                  |       |        | M2                               | TV       | DVB        | 3/4   | Y 27.500      |            | Hungarian |        |  |         |
|                                  |       |        | M2                               | TV       | DVB        | 3/4   | Y 27.500      |            | Hungarian |        |  |         |
| D 12.149                         | V     | Europe | MR 3 Bartók                      | radio    | DVB        | 3/4   | 27.500        |            | Hungarian |        |  |         |
|                                  |       |        | <u>Antenna Hungária</u>          | package  | DVB        | 3/4   | 27.500        |            |           |        |  |         |

| Freq<br>(GHz) | Pol | Beam   | Channel                        | Analogue |     | Audio MHz | Text     | Access                                    | Lang.          |
|---------------|-----|--------|--------------------------------|----------|-----|-----------|----------|---|----------------|
|               |     |        |                                | Digital  | FEC | MSy/s     |          |   |                |
|               |     |        | Fuego TV                       | TV       | DVB | 3/4       | 27.500   |   | Italian        |
|               |     |        | Ulisse                         | TV       | DVB | 3/4       | 27.500   |   | Italian        |
|               |     |        | In TV                          | TV       | DVB | 3/4       | 27.500   |   | Italian        |
|               |     |        | Studio 100 Sat                 | TV       | DVB | 3/4       | 27.500   |   | Italian        |
|               |     |        | CCTV 4 Europe                  | TV       | DVB | 3/4       | 27.500   |   | Chinese        |
|               |     |        | Lider TV                       | TV       | DVB | 3/4       | 27.500   |   | Azerbaijan     |
|               |     |        | CaspioNet                      | TV       | DVB | 3/4       | 27.500   |   |                |
|               |     |        | Salento Channel                | TV       | DVB | 3/4       | 27.500   |   | Italian        |
|               |     |        | Tunisie 7                      | TV       | DVB | 3/4       | Y 27.500 |   | Arabic         |
|               |     |        | Duna I                         | TV       | DVB | 3/4       | Y 27.500 |   | Hungarian      |
|               |     |        | NPL Gest                       | TV       | DVB | 3/4       | 27.500   |   | Italian        |
|               |     |        | MR 5 Parlamenti adások         | radio    | DVB | 3/4       | 27.500   |   | Hungarian      |
|               |     |        | Ecoradio                       | radio    | DVB | 3/4       | 27.500   |   | Italian        |
|               |     |        | Radio 6                        | radio    | DVB | 3/4       | 27.500   |   | Italian        |
|               |     |        | Rete Sport                     | radio    | DVB | 3/4       | 27.500   |   | Italian        |
|               |     |        | Radio Città Futura             | radio    | DVB | 3/4       | 27.500   |   | Italian        |
|               |     |        | Lider Jazz Radio               | radio    | DVB | 3/4       | 27.500   |   | Azerbaijan     |
|               |     |        | Radio Tunis Chaîne Inter       | radio    | DVB | 3/4       | 27.500   |   |                |
|               |     |        | Radio Culture                  | radio    | DVB | 3/4       | 27.500   |   | Arabic         |
|               |     |        | MR 4 Nemzetiségi adások        | radio    | DVB | 3/4       | 27.500   |   |                |
|               |     |        | MR 2 Petőfi                    | radio    | DVB | 3/4       | 27.500   |   | Hungarian      |
|               |     |        | MR 1 Kossuth                   | radio    | DVB | 3/4       | 27.500   |   | Hungarian      |
|               |     |        | Radio Tunis                    | radio    | DVB | 3/4       | 27.500   |   | Arabic         |
| D 12.169      | H   | Europe | <u>Novasports</u>              | package  | DVB | 3/4       | 27.500   | Irdeto 2                                  |                |
|               |     |        | ET 1                           | TV       | DVB | 3/4       | Y 27.500 | Irdeto 2                                  | Greek          |
|               |     |        | Discovery Channel Europe       | TV       | DVB | 3/4       | 27.500   | Irdeto 2                                  | English        |
|               |     |        | Kanali Voulis                  | TV       | DVB | 3/4       | 27.500   |   | Greek          |
|               |     |        | Novasports 7                   | TV       | DVB | 3/4       | 27.500   | Irdeto 2                                  | Greek          |
|               |     |        | ET 3                           | TV       | DVB | 3/4       | Y 27.500 | Irdeto 2                                  | Greek          |
|               |     |        | NET                            | TV       | DVB | 3/4       | Y 27.500 | Irdeto 2                                  | Greek          |
|               |     |        | Mad TV                         | TV       | DVB | 3/4       | Y 27.500 | Irdeto 2                                  | Greek          |
|               |     |        | Mad VMA 09                     | TV       | DVB | 3/4       | 27.500   | Irdeto 2                                  | Greek          |
|               |     |        | TCM Europe                     | TV       | DVB | 3/4       | 27.500   | Irdeto 2                                  | English        |
|               |     |        | Cartoon Network UK             | TV       | DVB | 3/4       | 27.500   | Irdeto 2                                  | English        |
|               |     |        | Novasports 2                   | TV       | DVB | 3/4       | 27.500   | Irdeto 2                                  | Greek          |
|               |     |        | SKAĀ Tileorasi                 | TV       | DVB | 3/4       | 27.500   | Irdeto 2                                  | Greek          |
|               |     |        | Makedonia TV                   | TV       | DVB | 3/4       | Y 27.500 | Irdeto 2                                  | Greek          |
|               |     |        | Elliniko Rok                   | radio    | DVB | 3/4       | 27.500   | Irdeto 2                                  | Greek          |
|               |     |        | Deytero 103.7                  | radio    | DVB | 3/4       | 27.500   | Irdeto 2                                  | Greek          |
|               |     |        | ERA Spor 101.8                 | radio    | DVB | 3/4       | 27.500   | Irdeto 2                                  | Greek          |
|               |     |        | Trito Programma                | radio    | DVB | 3/4       | 27.500   | Irdeto 2                                  | Greek          |
|               |     |        | Ellinika Agapmena              | radio    | DVB | 3/4       | 27.500   | Irdeto 2                                  | Greek          |
|               |     |        | Lounge TV                      | radio    | DVB | 3/4       | 27.500   | Irdeto 2                                  | Greek          |
|               |     |        | Rebetiko                       | radio    | DVB | 3/4       | 27.500   | Irdeto 2                                  | Greek          |
|               |     |        | Hits GR                        | radio    | DVB | 3/4       | 27.500   | Irdeto 2                                  | Greek          |
|               |     |        | NET 105.8                      | radio    | DVB | 3/4       | 27.500   | Irdeto 2                                  | Greek          |
| D 12.188      | V   | Europe | <u>Cyfrowy Polsat</u>          | package  | DVB | 3/4       | 27.500   | Mediaguard 2/Nagravision 2/Nagravision 3  |                |
|               |     |        | ESPN Classic Europe            | TV       | DVB | 3/4       | 27.500   | Mediaguard 2/Nagravision 3                | Polish,English |
|               |     |        | AXN Sci-Fi                     | TV       | DVB | 3/4       | 27.500   | Mediaguard 2/Nagravision 3                | Polish         |
|               |     |        | AXN Crime                      | TV       | DVB | 3/4       | 27.500   | Mediaguard 2/Nagravision 3                | Polish         |
|               |     |        | TVP 2                          | TV       | DVB | 3/4       | Y 27.500 | Nagravision 3                             | Polish         |
|               |     |        | TVP 1                          | TV       | DVB | 3/4       | Y 27.500 | Nagravision 3                             | Polish         |
|               |     |        | Cinemax 2 Central Europe       | TV       | DVB | 3/4       | 27.500   | Mediaguard 2/Nagravision 3                | Polish         |
|               |     |        | Discovery Channel Polska       | TV       | DVB | 3/4       | 27.500   | Mediaguard 2/Nagravision 3                | Polish         |
|               |     |        | Jetix Polska                   | TV       | DVB | 3/4       | 27.500   | Mediaguard 2/Nagravision 3                | Polish         |
|               |     |        | Extreme Sports Channel         | TV       | DVB | 3/4       | 27.500   | Mediaguard 2/Nagravision 3                | Polish         |
|               |     |        | TVN                            | TV       | DVB | 3/4       | 27.500   | Nagravision 3                             | Polish         |
|               |     |        | Fox Life Polska                | TV       | DVB | 3/4       | 27.500   | Mediaguard 2/Nagravision 3                | Polish,English |
|               |     |        | AXN Polska                     | TV       | DVB | 3/4       | Y 27.500 | Mediaguard 2/Nagravision 3                | Polish         |
|               |     |        | Zone Romantica Polska & Magyar | TV       | DVB | 3/4       | 27.500   | Mediaguard 2/Nagravision 3                | Polish         |
| D 12.207      | H   | Europe | <u>RRSat Global Network</u>    | package  | DVB | 3/4       | 27.500   |   |                |
|               |     |        | Asianet                        | TV       | DVB | 3/4       | 27.500   | Viaccess 2.5/Viaccess 2.6                 |                |
|               |     |        | VTV 4                          | TV       | DVB | 3/4       | 27.500   |   | Vietnamese     |
|               |     |        | Arirang World                  | TV       | DVB | 3/4       | 27.500   |   | Korean         |
|               |     |        | F Men                          | TV       | DVB | 3/4       | 27.500   |   |                |
|               |     |        | Free-X TV 2                    | TV       | DVB | 3/4       | 27.500   | Irdeto 2/KeyFly/Viaccess 2.5/Viaccess 2.6 |                |
|               |     |        | Free-X TV                      | TV       | DVB | 3/4       | 27.500   | Irdeto 2/KeyFly/Viaccess 2.5/Viaccess 2.6 | French         |
|               |     |        | Rojhelat TV promo              | TV       | DVB | 3/4       | 27.500   |   | Kurdish        |

| Freq<br>(GHz)         | Pol       | Beam   | Channel                | Analogue |        | Audio MHz              | Text     | Access                             | Lang. |                        |                                  |        |                  |
|-----------------------|-----------|--------|------------------------|----------|--------|------------------------|----------|------------------------------------|-------|------------------------|----------------------------------|--------|------------------|
|                       |           |        |                        | Digital  | FEC    | MSy/s                  |          |                                    |       |                        |                                  |        |                  |
| D 12.245              | H         | Europe | IPN TV                 | TV       | DVB    | 3/4                    | 27.500   |                                    |       | Farsi                  |                                  |        |                  |
|                       |           |        | BVN TV Europa          | TV       | DVB    | 3/4                    | 27.500   |                                    |       | Dutch                  |                                  |        |                  |
|                       |           |        | KurdSat                | TV       | DVB    | 3/4                    | 27.500   |                                    |       | Kurdish                |                                  |        |                  |
|                       |           |        | Thai TV Global Network | TV       | DVB    | 3/4                    | 27.500   |                                    |       | Thai                   |                                  |        |                  |
|                       |           |        | KICC TV                | TV       | DVB    | 3/4                    | 27.500   |                                    |       | English                |                                  |        |                  |
|                       |           |        | PDF Channel            | TV       | DVB    | 3/4                    | 27.500   |                                    |       |                        |                                  |        |                  |
|                       |           |        | Iran TV Network        | TV       | DVB    | 3/4                    | 27.500   |                                    |       | Farsi                  |                                  |        |                  |
|                       |           |        | 3ABN International     | TV       | DVB    | 3/4                    | 27.500   |                                    |       | English                |                                  |        |                  |
|                       |           |        | Fashion TV Europe      | TV       | DVB    | 3/4                    | 27.500   |                                    |       |                        |                                  |        |                  |
|                       |           |        | CNL Evropa             | TV       | DVB    | 3/4                    | 27.500   |                                    |       | Russian                |                                  |        |                  |
|                       |           |        | Rang-a-Rang Radio      | radio    | DVB    | 3/4                    | 27.500   |                                    |       | Farsi                  |                                  |        |                  |
|                       |           |        | 94 EFM                 | radio    | DVB    | 3/4                    | 27.500   |                                    |       | Thai                   |                                  |        |                  |
|                       |           |        | The Overcomer          | radio    | DVB    | 3/4                    | 27.500   |                                    |       | English                |                                  |        |                  |
|                       |           |        | Rock Nation            | radio    | DVB    | 3/4                    | 27.500   |                                    |       | German                 |                                  |        |                  |
|                       |           |        | RNW 2                  | radio    | DVB    | 3/4                    | 27.500   |                                    |       | English                |                                  |        |                  |
|                       |           |        | RNW 1                  | radio    | DVB    | 3/4                    | 27.500   |                                    |       | Dutch                  |                                  |        |                  |
|                       |           |        | Radio Jazz             | radio    | DVB    | 3/4                    | 27.500   |                                    |       |                        |                                  |        |                  |
|                       |           |        | Voice of Vietnam       | radio    | DVB    | 3/4                    | 27.500   |                                    |       |                        |                                  |        |                  |
|                       |           |        | 3ABN Radio             | radio    | DVB    | 3/4                    | 27.500   |                                    |       | English                |                                  |        |                  |
|                       |           |        | Neo Zwei               | radio    | DVB    | 3/4                    | 27.500   |                                    |       | German                 |                                  |        |                  |
|                       |           |        | GlobeCast              | package  | DVB    | 3/4                    | 27.500   |                                    |       |                        |                                  |        |                  |
|                       |           |        | Kurd 1                 | TV       | DVB    | 3/4                    | 27.500   |                                    |       | Kurdish                |                                  |        |                  |
|                       |           |        | Fox Life Greece        | TV       | DVB    | 3/4                    | 27.500   | Irdeto 2                           |       |                        |                                  |        |                  |
|                       |           |        | Al Baghdadia           | TV       | DVB    | 3/4                    | 27.500   |                                    |       | Arabic                 |                                  |        |                  |
|                       |           |        | Alsumaria              | TV       | DVB    | 3/4                    | 27.500   |                                    |       | Arabic                 |                                  |        |                  |
|                       |           |        | Syria Drama            | TV       | DVB    | 3/4                    | 27.500   |                                    |       | Arabic                 |                                  |        |                  |
|                       |           |        | Coming Soon TV         | TV       | DVB    | 3/4                    | 27.500   |                                    |       | Italian                |                                  |        |                  |
|                       |           |        | Mezzo                  | TV       | DVB    | 3/4                    | 27.500   | Irdeto 2/Mediaguard 2/Viaccess 2.5 |       | French                 |                                  |        |                  |
|                       |           |        | TRT Tamil Oli          | radio    | DVB    | 3/4                    | 27.500   |                                    |       | Tamil                  |                                  |        |                  |
|                       |           |        | Radio 2000             | radio    | DVB    | 3/4                    | 27.500   |                                    |       | Hebrew                 |                                  |        |                  |
|                       |           |        | France Maghreb         | radio    | DVB    | 3/4                    | 27.500   |                                    |       | French                 |                                  |        |                  |
|                       |           |        | Radio Orient           | radio    | DVB    | 3/4                    | 27.500   |                                    |       | Arabic                 |                                  |        |                  |
|                       |           |        | A 12.265               | V        | Europe | Cyfrowy Polsat         | package  | DVB                                | 3/4   | 27.500                 | Conax/Mediaguard 2/Nagravision 3 |        |                  |
|                       |           |        |                        |          |        | Discovery HD Europe    | TV       | DVB                                | 3/4   | 27.500                 | Nagravision 3                    |        | Polish           |
|                       |           |        |                        |          |        | Polsat Sport HD        | TV       | DVB                                | 3/4   | 27.500                 | Nagravision 3                    |        | Polish           |
|                       |           |        | D 12.284               | H        | Europe | HBO Polska             | TV       | DVB                                | 3/4   | Y 27.500               | Mediaguard 2/Nagravision 3       | Polish |                  |
|                       |           |        |                        |          |        | Cyfrowy Polsat         | package  | DVB                                | 3/4   | 27.500                 | Nagravision 3                    |        |                  |
|                       |           |        |                        |          |        | Zone Europa            | TV       | DVB                                | 3/4   | 27.500                 | Nagravision 3                    |        | Polish,Hungarian |
|                       |           |        |                        |          |        | TV 1000 Polska         | TV       | DVB                                | 3/4   | 27.500                 | Nagravision 3                    |        | Polish           |
|                       |           |        |                        |          |        | Blue Hustler Europe    | TV       | DVB                                | 3/4   | 27.500                 | Nagravision 3                    |        | English          |
| Travel Channel        | TV        | DVB    |                        |          |        | 3/4                    | 27.500   | Nagravision 3                      |       | Polish,English,Russian |                                  |        |                  |
| Cyfrowy Polsat promo  | TV        | DVB    |                        |          |        | 3/4                    | 27.500   | Nagravision 3                      |       | Polish                 |                                  |        |                  |
| Blue Hustler Europe   | TV        | DVB    |                        |          |        | 3/4                    | 27.500   | Nagravision 3                      |       | English                |                                  |        |                  |
| TVP Info              | TV        | DVB    |                        |          |        | 3/4                    | 27.500   | Nagravision 3                      |       | Polish                 |                                  |        |                  |
| TVP Sport             | TV        | DVB    |                        |          |        | 3/4                    | 27.500   | Nagravision 3                      |       | Polish                 |                                  |        |                  |
| EI Emea               | TV        | DVB    |                        |          |        | 3/4                    | 27.500   | Nagravision 3                      |       | Polish                 |                                  |        |                  |
| Jetix Play            | TV        | DVB    |                        |          |        | 3/4                    | 27.500   | Nagravision 3                      |       | Polish                 |                                  |        |                  |
| Boomerang Europe      | TV        | DVB    |                        |          |        | 3/4                    | 27.500   | Nagravision 3                      |       | Polish,English         |                                  |        |                  |
| RMF Classic           | radio     | DVB    |                        |          |        | 3/4                    | 27.500   |                                    |       | Polish                 |                                  |        |                  |
| Planeta FM            | radio     | DVB    |                        |          |        | 3/4                    | 27.500   |                                    |       | Polish                 |                                  |        |                  |
| RMF Maxxx             | radio     | DVB    |                        |          |        | 3/4                    | 27.500   |                                    |       | Polish                 |                                  |        |                  |
| RMF FM                | radio     | DVB    |                        |          |        | 3/4                    | 27.500   | Nagravision 3                      |       | Polish                 |                                  |        |                  |
| Radio PIN             | radio     | DVB    |                        |          |        | 3/4                    | 27.500   |                                    |       | Polish                 |                                  |        |                  |
| Polskie Radio Trójka  | radio     | DVB    |                        |          |        | 3/4                    | 27.500   | Nagravision 3                      |       | Polish                 |                                  |        |                  |
| Polskie Radio Jedynka | radio     | DVB    |                        |          |        | 3/4                    | 27.500   | Nagravision 3                      |       | Polish                 |                                  |        |                  |
| Radio Zet             | radio     | DVB    |                        |          |        | 3/4                    | 27.500   |                                    |       | Polish                 |                                  |        |                  |
| Radio Złote Przeboje  | radio     | DVB    |                        |          |        | 3/4                    | 27.500   | Nagravision 3                      |       | Polish                 |                                  |        |                  |
| Pogoda                | interacti | DVB    |                        |          |        | 3/4                    | 27.500   |                                    |       |                        |                                  |        |                  |
| Portal ITV            | interacti | DVB    |                        |          |        | 3/4                    | 27.500   |                                    |       |                        |                                  |        |                  |
| TV Banking            | interacti | DVB    |                        |          |        | 3/4                    | 27.500   |                                    |       |                        |                                  |        |                  |
| D 12.303              | V         | Europe |                        |          |        | RTV Slovenija          | package  | DVB                                | 3/4   | 27.500                 |                                  |        |                  |
|                       |           |        |                        |          |        | Croatian Music Channel | TV       | DVB                                | 3/4   | 27.500                 |                                  |        | Croatian         |
|                       |           |        |                        |          |        | TV Slovenija 1         | TV       | DVB                                | 3/4   | Y 27.500               |                                  |        | Slovenian        |
|                       |           |        |                        |          |        | TV Silesia             | TV       | DVB                                | 3/4   | Y 27.500               |                                  |        | Polish           |
|                       |           |        |                        |          |        | New Channel TV         | TV       | DVB                                | 3/4   | 27.500                 |                                  |        | Farsi            |
|                       |           |        | Dance TV               | TV       | DVB    | 3/4                    | 27.500   |                                    |       | Italian                |                                  |        |                  |
|                       |           |        | Hot Chili              | TV       | DVB    | 3/4                    | 27.500   |                                    |       | Italian                |                                  |        |                  |
|                       |           |        | NTV Hayat Sat          | TV       | DVB    | 3/4                    | Y 27.500 | Viaccess 2.4/Viaccess 2.5          |       | Bosnian                |                                  |        |                  |
|                       |           |        | TV Slovenija 2         | TV       | DVB    | 3/4                    | Y 27.500 |                                    |       | Slovenian              |                                  |        |                  |
|                       |           |        | Blu Line TV            | TV       | DVB    | 3/4                    | 27.500   |                                    |       | Italian                |                                  |        |                  |

| Freq<br>(GHz)    | Pol | Beam   | Channel                             | Analogue |  | Audio MHz         | Text     | Access   | Lang. |           |                    |  |         |
|------------------|-----|--------|-------------------------------------|----------|--|-------------------|----------|--|-------|-----------|--------------------|--|---------|
|                  |     |        |                                     | Digital  | FEC  | MSy/s             |          |  |       |           |                    |  |         |
| D 12.322         | H   | Europe | Passione Pesca                      | TV       | DVB  | 3/4               | 27.500   |  |       | Italian   |                    |  |         |
|                  |     |        | Pleasure TV                         | TV       | DVB  | 3/4               | 27.500   |  |       | Italian   |                    |  |         |
|                  |     |        | TV Slovenija 3                      | TV       | DVB  | 3/4               | Y 27.500 |  |       | Slovenian |                    |  |         |
|                  |     |        | BVN TV Europa                       | TV       | DVB  | 3/4               | 27.500   |  |       | Dutch     |                    |  |         |
|                  |     |        | Divafutura Channel                  | TV       | DVB  | 3/4               | 27.500   |  |       | Italian   |                    |  |         |
|                  |     |        | LoveWorld                           | TV       | DVB  | 3/4               | 27.500   |  |       | English   |                    |  |         |
|                  |     |        | Z1                                  | TV       | DVB  | 3/4               | 27.500   |  |       | Croatian  |                    |  |         |
|                  |     |        | Radio Capodistria                   | radio    | DVB  | 3/4               | 27.500   |  |       | Italian   |                    |  |         |
|                  |     |        | Radio Ognjisce                      | radio    | DVB  | 3/4               | 27.500   |  |       | Slovenian |                    |  |         |
|                  |     |        | Radio Ars                           | radio    | DVB  | 3/4               | 27.500   |  |       | Slovenian |                    |  |         |
|                  |     |        | Val 202                             | radio    | DVB  | 3/4               | 27.500   |  |       | Slovenian |                    |  |         |
|                  |     |        | Ra Slo 1                            | radio    | DVB  | 3/4               | 27.500   |  |       | Slovenian |                    |  |         |
|                  |     |        | RNW 1                               | radio    | DVB  | 3/4               | 27.500   |  |       | Dutch     |                    |  |         |
|                  |     |        | Radio Slovenia International        | radio    | DVB  | 3/4               | 27.500   |  |       |           |                    |  |         |
|                  |     |        | RNW 2                               | radio    | DVB  | 3/4               | 27.500   |  |       | English   |                    |  |         |
|                  |     |        | <u>Eutelsat</u>                     | package  | DVB  | 3/4               | 27.500   |  |       |           |                    |  |         |
|                  |     |        | RTV International Middle East       | TV       | DVB  | 3/4               | 27.500   | Conax/Viaccess 2.5/Viaccess 2.6                                |       |           | Russian            |  |         |
|                  |     |        | Rede Internacional de TV            | TV       | DVB  | 3/4               | 27.500   |  |       |           | Portuguese         |  |         |
|                  |     |        | RTV International Europe            | TV       | DVB  | 3/4               | 27.500   | Conax/Viaccess 2.5/Viaccess 2.6/Videoguard                     |       |           | Russian            |  |         |
|                  |     |        | Eurosport 2 Hungary & Romania       | TV       | DVB  | 3/4               | 27.500   | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0                         |       |           | Romanian,Hungarian |  |         |
|                  |     |        | Detski Mir                          | TV       | DVB  | 3/4               | 27.500   | Conax/Viaccess 2.5/Viaccess 2.6                                |       |           | Russian            |  |         |
|                  |     |        | World Fashion Channel International | TV       | DVB  | 3/4               | 27.500   |  |       |           | English            |  |         |
|                  |     |        | Universal Channel Polska            | TV       | DVB  | 3/4               | 27.500   | Conax/Mediaguard 2/Viaccess 2.5/Viaccess 2.6                   |       |           | Polish,Romanian    |  |         |
|                  |     |        | Sci Fi Channel Polska               | TV       | DVB  | 3/4               | 27.500   | Conax/Mediaguard 2/Viaccess 2.5/Viaccess 2.6                   |       |           | Polish,Romanian    |  |         |
|                  |     |        | France 24 Arabe                     | TV       | DVB  | 3/4               | 27.500   |  |       |           | Arabic             |  |         |
|                  |     |        | K2                                  | TV       | DVB  | 3/4               | 27.500   |  |       |           | Italian            |  |         |
|                  |     |        | TeleKlub                            | TV       | DVB  | 3/4               | 27.500   | Conax/Viaccess 2.5/Viaccess 2.6                                |       |           | Russian            |  |         |
|                  |     |        | RTV Nashe Kino                      | TV       | DVB  | 3/4               | 27.500   | Conax/Viaccess 2.5/Viaccess 2.6/Videoguard                     |       |           | Russian            |  |         |
|                  |     |        | Radio Lijepa Nasa                   | radio    | DVB  | 3/4               | 27.500   |  |       |           | Croatian           |  |         |
|                  |     |        | Radio Srna Bosanka                  | radio    | DVB  | 3/4               | 27.500   |  |       |           | Bosnian            |  |         |
|                  |     |        | Radio Svet Plus                     | radio    | DVB  | 3/4               | 27.500   |  |       |           | Serbian            |  |         |
|                  |     |        | Tref Radio                          | radio    | DVB  | 3/4               | 27.500   |  |       |           | Serbian            |  |         |
|                  |     |        | Peiraiki Ekklesia 91.2 FM           | radio    | DVB  | 3/4               | 27.500   |  |       |           | Greek              |  |         |
|                  |     |        | Megaradio                           | radio    | DVB  | 3/4               | 27.500   |  |       |           | Serbian            |  |         |
|                  |     |        | Radio Dijla                         | radio    | DVB  | 3/4               | 27.500   |  |       |           | Arabic             |  |         |
|                  |     |        | Radio Azadegan                      | radio    | DVB  | 3/4               | 27.500   |  |       |           |                    |  |         |
|                  |     |        | Radio Grand                         | radio    | DVB  | 3/4               | 27.500   |  |       |           | Serbian            |  |         |
|                  |     |        | D 12.341                            | V        | Europe   | <u>Sky Italia</u> | package  | DVB  | 3/4   | 27.500    | Videoguard         |  |         |
|                  |     |        |                                     |          |  | Sky Primafila 13  | TV       | DVB  | 3/4   | 27.500    | Videoguard         |  | Italian |
|                  |     |        |                                     |          |  | Sky Primafila 30  | TV       | DVB  | 3/4   | 27.500    | Videoguard         |  | Italian |
| Sky Primafila 20 | TV  | DVB    |                                     |          |  | 3/4               | 27.500   | Videoguard   |       | Italian   |                    |  |         |
| Sky Primafila 18 | TV  | DVB    |                                     |          |  | 3/4               | 27.500   | Videoguard   |       | Italian   |                    |  |         |
| Sky Primafila 15 | TV  | DVB    |                                     |          |  | 3/4               | 27.500   | Videoguard   |       | Italian   |                    |  |         |
| Sky Primafila 14 | TV  | DVB    |                                     |          |  | 3/4               | 27.500   | Videoguard   |       | Italian   |                    |  |         |
| Sky Primafila 23 | TV  | DVB    |                                     |          |  | 3/4               | 27.500   | Videoguard   |       | Italian   |                    |  |         |
| Sky Primafila 21 | TV  | DVB    |                                     |          |  | 3/4               | 27.500   | Videoguard   |       | Italian   |                    |  |         |
| Sky Primafila 27 | TV  | DVB    |                                     |          |  | 3/4               | 27.500   | Videoguard   |       | Italian   |                    |  |         |
| Sky Primafila 26 | TV  | DVB    | 3/4                                 | 27.500   | Videoguard   |                   | Italian  |  |       |           |                    |  |         |
| D 12.360         | H   | Europe | <u>GlobeCast</u>                    | package  | DVB  | 3/4               | 27.500   | Conax/Irdeto 2/Neotion SHL/Omnikrypt/Viaccess 2.5/Viaccess 3.0 |       |           |                    |  |         |
|                  |     |        | Sex View Extra                      | TV       | DVB  | 3/4               | 27.500   | Conax/Irdeto 2/Omnikrypt/Viaccess 2.5/Viaccess 3.0             |       |           |                    |  |         |
|                  |     |        | Mondo Arte                          | TV       | DVB  | 3/4               | 27.500   |  |       | Italian   |                    |  |         |
|                  |     |        | Sex View Gay                        | TV       | DVB  | 3/4               | 27.500   | Conax/Irdeto 2/Viaccess 2.5/Viaccess 3.0                       |       |           |                    |  |         |
|                  |     |        | Sex View TV promo                   | TV       | DVB  | 3/4               | 27.500   |  |       |           |                    |  |         |
|                  |     |        | Sex View Extreme                    | TV       | DVB  | 3/4               | 27.500   | Conax/Irdeto 2/Viaccess 2.5/Viaccess 3.0                       |       |           |                    |  |         |
|                  |     |        | Sex View Inter                      | TV       | DVB  | 3/4               | 27.500   | Conax/Irdeto 2/Viaccess 2.5/Viaccess 3.0                       |       |           |                    |  |         |
|                  |     |        | Sex View Climax                     | TV       | DVB  | 3/4               | 27.500   | Conax/Irdeto 2/Omnikrypt/Viaccess 2.5/Viaccess 3.0             |       |           |                    |  |         |
|                  |     |        | Sex View Hot                        | TV       | DVB  | 3/4               | 27.500   | Conax/Irdeto 2/Omnikrypt/Viaccess 2.5/Viaccess 3.0             |       |           |                    |  |         |
|                  |     |        | Sex View Special                    | TV       | DVB  | 3/4               | 27.500   | Conax/Irdeto 2/Omnikrypt/Viaccess 2.5/Viaccess 3.0             |       |           |                    |  |         |
| Sex View 247     | TV  | DVB    | 3/4                                 | 27.500   | Conax/Irdeto 2/Omnikrypt/Viaccess 2.5/Viaccess 3.0 |                   |          |  |       |           |                    |  |         |

| Freq<br>(GHz)       | Pol   | Beam   | Channel                    | Analogue |            | Audio MHz        | Text     | Access   | Lang.                         |          |              |         |
|---------------------|-------|--------|----------------------------|----------|------------|------------------|----------|--|-------------------------------|----------|--------------|---------|
|                     |       |        |                            | Digital  | FEC        | MSy/s            |          |  |                               |          |              |         |
| D 12.380            | V     | Europe | Sex View Plus              | TV       | DVB        | 3/4              | 27.500   | Conax/Irdeto 2/Omnikrypt/Viaccess 2.5/Viaccess 3.0 |                               |          |              |         |
|                     |       |        | Sex View Hardcore          | TV       | DVB        | 3/4              | 27.500   | Conax/Irdeto 2/Omnikrypt/Viaccess 2.5/Viaccess 3.0 |                               |          |              |         |
|                     |       |        | Al Love                    | TV       | DVB        | 3/4              | 27.500   |  |                               |          |              |         |
|                     |       |        | Sex View DP                | TV       | DVB        | 3/4              | 27.500   | Conax/Irdeto 2/Omnikrypt/Viaccess 2.5/Viaccess 3.0 |                               |          |              |         |
|                     |       |        | Mare TV                    | TV       | DVB        | 3/4              | 27.500   |  | Italian                       |          |              |         |
|                     |       |        | Teleitalia promo           | TV       | DVB        | 3/4              | 27.500   |  | Italian                       |          |              |         |
|                     |       |        | Galaxy                     | TV       | DVB        | 3/4              | 27.500   |  | Italian                       |          |              |         |
|                     |       |        | Sexy Sat TV 2              | TV       | DVB        | 3/4              | 27.500   |  |                               |          |              |         |
|                     |       |        | 4U India                   | TV       | DVB        | 3/4              | 27.500   |  |                               |          |              |         |
|                     |       |        | R1                         | TV       | DVB        | 3/4              | 27.500   |  | Russian                       |          |              |         |
|                     |       |        | Casa Italia                | TV       | DVB        | 3/4              | 27.500   |  | Italian                       |          |              |         |
|                     |       |        | 1 Minute TV                | TV       | DVB        | 3/4              | 27.500   |  | Italian                       |          |              |         |
|                     |       |        | Le Scelte di Andrea Dipre' | TV       | DVB        | 3/4              | 27.500   |  | Italian                       |          |              |         |
|                     |       |        | Bio TV                     | TV       | DVB        | 3/4              | 27.500   |  | Italian                       |          |              |         |
|                     |       |        | House Channel              | TV       | DVB        | 3/4              | 27.500   |  | Italian                       |          |              |         |
|                     |       |        | El Hob TV                  | TV       | DVB        | 3/4              | 27.500   |  |                               |          |              |         |
|                     |       |        | Casting Channel            | TV       | DVB        | 3/4              | 27.500   |  | Italian                       |          |              |         |
|                     |       |        | GlobeCast                  | package  | DVB        | 3/4              | 27.500   |  |                               |          |              |         |
|                     |       |        | Syria Satellite Channel    | TV       | DVB        | 3/4              | 27.500   |  | Arabic                        |          |              |         |
|                     |       |        | Telepace                   | TV       | DVB        | 3/4              | 27.500   |  | Italian                       |          |              |         |
|                     |       |        | KSA 2                      | TV       | DVB        | 3/4              | 27.500   |  | English                       |          |              |         |
|                     |       |        | Al-Zahra TV                | TV       | DVB        | 3/4              | 27.500   |  | Arabic                        |          |              |         |
|                     |       |        | Yemen TV                   | TV       | DVB        | 3/4              | 27.500   |  | Arabic                        |          |              |         |
|                     |       |        | The Spirit Word Channel    | TV       | DVB        | 3/4              | 27.500   |  | English                       |          |              |         |
|                     |       |        | TVCG Sat                   | TV       | DVB        | 3/4              | 27.500   |  | Serbian                       |          |              |         |
|                     |       |        | Sat 7 Arabic               | TV       | DVB        | 3/4              | 27.500   |  | Arabic                        |          |              |         |
|                     |       |        | Holy God                   | TV       | DVB        | 3/4              | 27.500   |  | Tamil                         |          |              |         |
|                     |       |        | Equidia Pro 1              | TV       | DVB        | 3/4              | 27.500   |  | French                        |          |              |         |
|                     |       |        | Equidia Pro 3              | TV       | DVB        | 3/4              | 27.500   | Mediaguard 2                                       | French                        |          |              |         |
|                     |       |        | Abu Dhabi Al Oula Europe   | TV       | DVB        | 3/4              | 27.500   |  | Arabic                        |          |              |         |
|                     |       |        | Sana'a Radio               | radio    | DVB        | 3/4              | 27.500   |  | Arabic                        |          |              |         |
|                     |       |        | Radio Vaticana Telepace    | radio    | DVB        | 3/4              | 27.500   |  |                               |          |              |         |
|                     |       |        | Radio Sout Al-Shbab        | radio    | DVB        | 3/4              | 27.500   |  | Arabic                        |          |              |         |
|                     |       |        | Emarat FM                  | radio    | DVB        | 3/4              | 27.500   |  | Arabic                        |          |              |         |
|                     |       |        | Radio Maria France         | radio    | DVB        | 3/4              | 27.500   |  | French                        |          |              |         |
|                     |       |        | Radio Sout Al-Sha'ab       | radio    | DVB        | 3/4              | 27.500   |  | Arabic                        |          |              |         |
|                     |       |        | RFI Français               | radio    | DVB        | 3/4              | 27.500   |  | French                        |          |              |         |
|                     |       |        | Radio CG 1                 | radio    | DVB        | 3/4              | 27.500   |  | Serbian                       |          |              |         |
|                     |       |        | El-Bernameg Al-Aam         | radio    | DVB        | 3/4              | 27.500   |  | Arabic                        |          |              |         |
|                     |       |        | Aden Radio                 | radio    | DVB        | 3/4              | 27.500   |  | Arabic                        |          |              |         |
|                     |       |        | D 12.399                   | H        | Europe     | SRG SSR          | package  | DVB  | 3/4                           | 27.500   | Viaccess 2.6 |         |
|                     |       |        |                            |          |            | SF 1             | TV       | DVB  | 3/4                           | Y 27.500 | Viaccess 2.6 | German  |
| SF Zwei             | TV    | DVB    |                            |          |            | 3/4              | Y 27.500 | Viaccess 2.6                                       | German                        |          |              |         |
| SF Info             | TV    | DVB    |                            |          |            | 3/4              | Y 27.500 |  | German                        |          |              |         |
| HD Suisse           | TV    | DVB    |                            |          |            | 3/4              | 27.500   | Viaccess 2.6                                       | German,French,Italian,English |          |              |         |
| DRS 4 News          | radio | DVB    |                            |          |            | 3/4              | 27.500   |  | German                        |          |              |         |
| DRS 1               | radio | DVB    |                            |          |            | 3/4              | 27.500   |  | German                        |          |              |         |
| DRS 2               | radio | DVB    |                            |          |            | 3/4              | 27.500   |  | German                        |          |              |         |
| DRS 3               | radio | DVB    |                            |          |            | 3/4              | 27.500   |  | German                        |          |              |         |
| Virus               | radio | DVB    |                            |          |            | 3/4              | 27.500   |  | German                        |          |              |         |
| DRS Musikwelle      | radio | DVB    |                            |          |            | 3/4              | 27.500   |  | German                        |          |              |         |
| Radio Rumantsch     | radio | DVB    |                            |          |            | 3/4              | 27.500   |  | Romany                        |          |              |         |
| Radio Swiss Classic | radio | DVB    |                            |          |            | 3/4              | 27.500   |  | German                        |          |              |         |
| Radio Swiss Jazz    | radio | DVB    |                            |          |            | 3/4              | 27.500   |  | German                        |          |              |         |
| Radio Swiss Pop     | radio | DVB    |                            |          |            | 3/4              | 27.500   |  | German                        |          |              |         |
| D 12.418            | V     | Europe |                            |          |            | Skyl Italia      | package  | DVB  | 3/4                           | 27.500   | Videoguard   |         |
|                     |       |        |                            |          |            | Sky Primafila 10 | TV       | DVB  | 3/4                           | 27.500   | Videoguard   | Italian |
|                     |       |        |                            |          |            | Sky Primafila 31 | TV       | DVB  | 3/4                           | 27.500   | Videoguard   | Italian |
|                     |       |        | Sky Primafila promo        | TV       | DVB        | 3/4              | 27.500   | Videoguard   | Italian                       |          |              |         |
|                     |       |        | Sky Primafila 1            | TV       | DVB        | 3/4              | 27.500   | Videoguard   | Italian                       |          |              |         |
|                     |       |        | Sky Primafila 2            | TV       | DVB        | 3/4              | 27.500   | Videoguard   | Italian                       |          |              |         |
|                     |       |        | Sky Primafila 12           | TV       | DVB        | 3/4              | 27.500   | Videoguard   | Italian                       |          |              |         |
|                     |       |        | Sky Primafila 4            | TV       | DVB        | 3/4              | 27.500   | Videoguard   | Italian                       |          |              |         |
|                     |       |        | Sky Primafila 6            | TV       | DVB        | 3/4              | 27.500   | Videoguard   | Italian                       |          |              |         |
|                     |       |        | Sky Primafila 7            | TV       | DVB        | 3/4              | 27.500   | Videoguard   | Italian                       |          |              |         |
| Sky Primafila 9     | TV    | DVB    | 3/4                        | 27.500   | Videoguard | Italian          |          |  |                               |          |              |         |
| D 12.437            | H     | Europe | IRIB                       | package  | DVB        | 3/4              | 27.500   |  |                               |          |              |         |
|                     |       |        | IRINN                      | TV       | DVB        | 3/4              | 27.500   |  | Farsi                         |          |              |         |

| Freq<br>(GHz)             | Pol | Beam   | Channel                           | Analogue Audio MHz |            | Text<br>MSy/s | Access   | Lang.         |          |        |              |
|---------------------------|-----|--------|-----------------------------------|--------------------|------------|---------------|----------|---------------|----------|--------|--------------|
|                           |     |        |                                   | Digital            | FEC        |               |          |               |          |        |              |
| D 12.466                  | V   | Europe | Alalam News Channel               | TV                 | DVB        | 3/4           | 27.500   | Arabic        |          |        |              |
|                           |     |        | IRIB Quran                        | TV                 | DVB        | 3/4           | 27.500   | Farsi         |          |        |              |
|                           |     |        | Alkawthar TV                      | TV                 | DVB        | 3/4           | 27.500   | Arabic        |          |        |              |
|                           |     |        | Jame-Jam TV Network 1             | TV                 | DVB        | 3/4           | 27.500   | Farsi,English |          |        |              |
|                           |     |        | Press TV                          | TV                 | DVB        | 3/4           | 27.500   | English       |          |        |              |
|                           |     |        | Jame-Jam TV Network 2             | TV                 | DVB        | 3/4           | 27.500   | Farsi,English |          |        |              |
|                           |     |        | IRIB World Service Radio 4        | radio              | DVB        | 3/4           | 27.500   |               |          |        |              |
|                           |     |        | IRIB World Service Radio 1        | radio              | DVB        | 3/4           | 27.500   |               |          |        |              |
|                           |     |        | IRIB World Service Radio 5        | radio              | DVB        | 3/4           | 27.500   |               |          |        |              |
|                           |     |        | IRIB World Service Radio 3        | radio              | DVB        | 3/4           | 27.500   |               |          |        |              |
|                           |     |        | IRIB Radio 1                      | radio              | DVB        | 3/4           | 27.500   | Farsi         |          |        |              |
|                           |     |        | IRIB World Service Radio 6        | radio              | DVB        | 3/4           | 27.500   |               |          |        |              |
|                           |     |        | IRIB World Service Radio 1        | radio              | DVB        | 3/4           | 27.500   |               |          |        |              |
|                           |     |        | IRIB World Service Radio 2        | radio              | DVB        | 3/4           | 27.500   |               |          |        |              |
|                           |     |        | Radio Quran                       | radio              | DVB        | 3/4           | 27.500   | Farsi         |          |        |              |
|                           |     |        | Radio Maaref                      | radio              | DVB        | 3/4           | 27.500   | Farsi         |          |        |              |
|                           |     |        | IRIB World Service Radio 2        | radio              | DVB        | 3/4           | 27.500   |               |          |        |              |
|                           |     |        | Sedaye Ashena                     | radio              | DVB        | 3/4           | 27.500   | Farsi         |          |        |              |
|                           |     |        | <u>Sky Italia</u>                 | package            | DVB        | 3/4           | 27.500   | Videoguard    |          |        |              |
|                           |     |        | Boomerang Italia                  | TV                 | DVB        | 3/4           | 27.500   | Videoguard    | Italian  |        |              |
|                           |     |        | Lei TV                            | TV                 | DVB        | 3/4           | 27.500   | Videoguard    | Italian  |        |              |
|                           |     |        | Boomerang Italia +1               | TV                 | DVB        | 3/4           | 27.500   | Videoguard    | Italian  |        |              |
|                           |     |        | Cooltoon                          | TV                 | DVB        | 3/4           | 27.500   | Videoguard    | Italian  |        |              |
|                           |     |        | Fox News Channel                  | TV                 | DVB        | 3/4           | 27.500   | Videoguard    | English  |        |              |
|                           |     |        | Sky News International            | TV                 | DVB        | 3/4           | 27.500   | Videoguard    | English  |        |              |
|                           |     |        | CNBC Europe                       | TV                 | DVB        | 3/4           | 27.500   | Videoguard    | English  |        |              |
|                           |     |        | Roma Channel                      | TV                 | DVB        | 3/4           | 27.500   | Videoguard    | Italian  |        |              |
|                           |     |        | The MGM Channel Italia            | TV                 | DVB        | 3/4           | 27.500   | Videoguard    | Italian  |        |              |
| Cartoon Network Italia +1 | TV  | DVB    | 3/4                               | 27.500             | Videoguard | Italian       |          |               |          |        |              |
| Hallmark Channel Italy    | TV  | DVB    | 3/4                               | 27.500             | Videoguard | Italian       |          |               |          |        |              |
| Sky HD promo              | TV  | DVB    | 3/4                               | 27.500             | Videoguard | Italian       |          |               |          |        |              |
| Jetix Italia +1           | TV  | DVB    | 3/4                               | 27.500             | Videoguard | Italian       |          |               |          |        |              |
| D 12.476                  | H   | Europe | <u>Belgium Satellite Services</u> | package            | DVB        | 3/4           | 27.500   |               |          |        |              |
|                           |     |        | Vin TV                            | TV                 | DVB        | 3/4           | 27.500   | Kurdish       |          |        |              |
|                           |     |        | PEN                               | TV                 | DVB        | 3/4           | 27.500   | Farsi         |          |        |              |
|                           |     |        | KNN                               | TV                 | DVB        | 3/4           | 27.500   | Kurdish       |          |        |              |
|                           |     |        | United Media TV promo             | TV                 | DVB        | 3/4           | 27.500   |               |          |        |              |
|                           |     |        | Live Channel                      | TV                 | DVB        | 3/4           | 27.500   | Farsi         |          |        |              |
|                           |     |        | Komala TV                         | TV                 | DVB        | 3/4           | 27.500   | Kurdish       |          |        |              |
|                           |     |        | PTV                               | TV                 | DVB        | 3/4           | 27.500   | Arabic        |          |        |              |
|                           |     |        | Korek                             | TV                 | DVB        | 3/4           | 27.500   |               |          |        |              |
|                           |     |        | Al Rasheed TV                     | TV                 | DVB        | 3/4           | 27.500   | Arabic        |          |        |              |
|                           |     |        | ICC+                              | TV                 | DVB        | 3/4           | 27.500   | Farsi         |          |        |              |
|                           |     |        | Finest TV                         | TV                 | DVB        | 3/4           | 27.500   | Turkish       |          |        |              |
|                           |     |        | Zee TV UK                         | TV                 | DVB        | 3/4           | Y 27.500 | Irdeto 2      | Hindi    |        |              |
|                           |     |        | Zee Cinema UK                     | TV                 | DVB        | 3/4           | Y 27.500 | Irdeto 2      | Hindi    |        |              |
|                           |     |        | Zagros TV                         | TV                 | DVB        | 3/4           | 27.500   |               | Kurdish  |        |              |
|                           |     |        | Zee Punjabi UK                    | TV                 | DVB        | 3/4           | 27.500   | Irdeto 2      | Panjabi  |        |              |
|                           |     |        | Radio Al-Mahabba                  | radio              | DVB        | 3/4           | 27.500   |               | Arabic   |        |              |
|                           |     |        | Radio Zagros                      | radio              | DVB        | 3/4           | 27.500   |               | Kurdish  |        |              |
|                           |     |        | Al Rasheed FM                     | radio              | DVB        | 3/4           | 27.500   |               | Arabic   |        |              |
|                           |     |        | Radio Eviva                       | radio              | DVB        | 3/4           | 27.500   |               | German   |        |              |
|                           |     |        | Radio Zamaneh                     | radio              | DVB        | 3/4           | 27.500   |               | Farsi    |        |              |
|                           |     |        | Radio Vlaanderen Info             | radio              | DVB        | 3/4           | 27.500   |               | Dutch    |        |              |
|                           |     |        | Radio Vlaanderen                  | radio              | DVB        | 3/4           | 27.500   |               | Dutch    |        |              |
|                           |     |        | Radio 74                          | radio              | DVB        | 3/4           | 27.500   |               | English  |        |              |
|                           |     |        | Top Two                           | radio              | DVB        | 3/4           | 27.500   |               | German   |        |              |
|                           |     |        | Rouge FM                          | radio              | DVB        | 3/4           | 27.500   | BISS          | French   |        |              |
|                           |     |        | D 12.520                          | V                  | Europe     | <u>QIV</u>    | package  | DVB           | 3/4      | 27.500 | Viaccess 2.5 |
|                           |     |        |                                   |                    |            | RBK TV        | TV       | DVB           | 3/4      | 27.500 |              |
| HRT 1                     | TV  | DVB    |                                   |                    |            | 3/4           | Y 27.500 |               | Croatian |        |              |
| Jewels La Sorgente 1      | TV  | DVB    |                                   |                    |            | 3/4           | 27.500   |               | Italian  |        |              |
| Jewels La Sorgente 2      | TV  | DVB    |                                   |                    |            | 3/4           | 27.500   |               | Italian  |        |              |
| Italia 8 Prestige         | TV  | DVB    |                                   |                    |            | 3/4           | 27.500   |               | Italian  |        |              |
| Ishtar TV                 | TV  | DVB    |                                   |                    |            | 3/4           | 27.500   |               | Arabic   |        |              |
| Sexy Channel promo        | TV  | DVB    |                                   |                    |            | 3/4           | 27.500   |               | Italian  |        |              |
| Taxi Channel              | TV  | DVB    |                                   |                    |            | 3/4           | 27.500   |               | Italian  |        |              |
| Noello Sat                | TV  | DVB    |                                   |                    |            | 3/4           | 27.500   |               | Italian  |        |              |
| Health & Beauty TV        | TV  | DVB    |                                   |                    |            | 3/4           | 27.500   |               | Italian  |        |              |
| Jewels La Sorgente 3      | TV  | DVB    |                                   |                    |            | 3/4           | 27.500   |               | Italian  |        |              |

| Freq<br>(GHz) | Pol | Beam   | Channel                         | Analogue |        | Audio | MHz      | Text   | Access | Lang.   |
|---------------|-----|--------|---------------------------------|----------|--------|-------|----------|--|--------|---|
|               |     |        |                                 | Digital  | FEC    | MSy/s |          |  |        |   |
|               |     |        | HRT Plus                        | TV       | DVB    | 3/4   | Y 27.500 | Viaccess 2.5/Viaccess 3.0                              |        | Croatian  |
|               |     |        | HRT Satelitski Program          | TV       | DVB    | 3/4   | Y 27.500 | Viaccess 2.5/Viaccess 3.0                              |        | Croatian  |
|               |     |        | HRT 2                           | TV       | DVB    | 3/4   | Y 27.500 | Viaccess 2.5/Viaccess 3.0                              |        | Croatian  |
|               |     |        | Radio Mir Medjugorje            | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | Radio Dalmacija                 | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | Antena Zagreb                   | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | Narodni Radio                   | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | Mediaservis                     | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | Hrvatski Katolicki Radio        | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | Otvoreni Radio                  | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | HR Knin                         | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | Hit mreza                       | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | Radio Pevec                     | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | Radio Banovina                  | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | Radio Marija                    | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | Radio Koprivnica                | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | HR 1                            | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | Glas Hrvatske                   | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | HR Pula                         | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | HR 3                            | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
|               |     |        | HR 2                            | radio    | DVB    | 3/4   | 27.500   |  |        | Croatian  |
| D 12.539      | H   | Europe | <u>Eutelsat Skyplex</u>         | package  | DVB    | 3/4   | 27.500   |  |        |   |
|               |     |        | Genius TV                       | TV       | DVB    | 3/4   | 27.500   |  |        | Italian   |
|               |     |        | Mediolanum Channel              | TV       | DVB    | 3/4   | Y 27.500 |  |        | Italian   |
|               |     |        | Administra.it                   | TV       | DVB    | 3/4   | 27.500   |  |        | Italian   |
|               |     |        | Blu TV                          | TV       | DVB    | 3/4   | 27.500   |  |        | Italian   |
|               |     |        | Direct 8                        | TV       | DVB    | 3/4   | 27.500   |  |        | French  |
|               |     |        | TV 8 Mont Blanc                 | TV       | DVB    | 3/4   | 27.500   |  |        | French  |
|               |     |        | MilanoSat                       | TV       | DVB    | 3/4   | 27.500   |  |        | Italian   |
|               |     |        | Al Nile                         | TV       | DVB    | 3/4   | 27.500   |  |        | Arabic  |
|               |     |        | Carpe Diem                      | TV       | DVB    | 3/4   | 27.500   |  |        | Italian   |
|               |     |        | TVA Vicenza                     | TV       | DVB    | 3/4   | 27.500   |  |        | Italian   |
|               |     |        | Thalitha TV                     | TV       | DVB    | 3/4   | 27.500   |  |        | Arabic  |
|               |     |        | Canal Algérie                   | TV       | DVB    | 3/4   | 27.500   |  |        | Arabic  |
|               |     |        | Nile TV International           | TV       | DVB    | 3/4   | 27.500   |  |        |   |
|               |     |        | One                             | TV       | DVB    | 3/4   | 27.500   |  |        | Italian   |
|               |     |        | Radio Cairo Al Mowaghat 8       | radio    | DVB    | 3/4   | 27.500   |  |        |   |
|               |     |        | Chaîne 1                        | radio    | DVB    | 3/4   | 27.500   |  |        | Arabic  |
|               |     |        | Chaîne 2                        | radio    | DVB    | 3/4   | 27.500   |  |        | Arabic  |
|               |     |        | International Radio             | radio    | DVB    | 3/4   | 27.500   |  |        | Arabic  |
| D 12.558      | V   | Europe | <u>Eutelsat Skyplex</u>         | package  | DVB    | 3/4   | 27.500   |  |        |   |
|               |     |        | Tele Padre Pio                  | TV       | DVB    | 3/4   | 27.500   |  |        | Italian   |
|               |     |        | Baraem                          | TV       | DVB    | 3/4   | 27.500   |  |        | Arabic  |
|               |     |        | Al Jazeera Children's Channel   | TV       | DVB    | 3/4   | 27.500   |  |        | Arabic  |
| D 12.577      | H   | Europe | <u>Orange</u>                   | package  | DVB-S2 | 2/3   | 27.500   | Viaccess 3.0   |        |   |
|               |     |        | Orange cinenovo                 | TV       | DVB-S2 | 2/3   | 27.500   | Viaccess 3.0   |        | French  |
|               |     |        | Orange sport                    | TV       | DVB-S2 | 2/3   | 27.500   | Viaccess 3.0   |        | French  |
|               |     |        | Orange cinemax                  | TV       | DVB-S2 | 2/3   | 27.500   | Viaccess 3.0   |        | French  |
|               |     |        | Orange cinehappy                | TV       | DVB-S2 | 2/3   | 27.500   | Viaccess 3.0   |        | French  |
|               |     |        | Orange cinechoc                 | TV       | DVB-S2 | 2/3   | 27.500   | Viaccess 3.0   |        | French  |
|               |     |        | Orange cinegeants               | TV       | DVB-S2 | 2/3   | 27.500   | Viaccess 3.0   |        | French  |
|               |     |        | M6                              | TV       | DVB-S2 | 2/3   | 27.500   | Viaccess 3.0   |        | French  |
|               |     |        | Canal + France                  | TV       | DVB-S2 | 2/3   | 27.500   | Viaccess 3.0   |        | French  |
|               |     |        | Orange sport                    | TV       | DVB-S2 | 2/3   | 27.500   | Viaccess 3.0   |        | French  |
|               |     |        | Orange cinemax                  | TV       | DVB-S2 | 2/3   | 27.500   | Viaccess 3.0   |        | French  |
|               |     |        | I>Télé                          | TV       | DVB-S2 | 2/3   | 27.500   | Viaccess 3.0   |        | French  |
| D 12.597      | V   | Europe | <u>GlobeCast</u>                | package  | DVB    | 3/4   | 27.500   |  |        |   |
|               |     |        | Perviy kanal Europa             | TV       | DVB    | 3/4   | 27.500   |  |        | Russian   |
|               |     |        | JSTV 1                          | TV       | DVB    | 3/4   | 27.500   | Cryptoworks  |        | Japanese,English  |
|               |     |        | JSTV 2                          | TV       | DVB    | 3/4   | 27.500   | Cryptoworks  |        | Japanese,English  |
|               |     |        | CNN International Europe        | TV       | DVB    | 3/4   | 27.500   | Conax/Irdeto 2/Mediaguard 2/Nagravision 3/Viaccess 3.0 |        | English   |
|               |     |        | EuroNews                        | TV       | DVB    | 3/4   | Y 27.500 |  |        | French,English,German,Italian,Spanish,Portuguese,Russian,Arabic |
|               |     |        | BBC World News                  | TV       | DVB    | 3/4   | Y 27.500 |  |        | English   |
|               |     |        | Armenia 1 TV                    | TV       | DVB    | 3/4   | 27.500   |  |        | Armenian  |
|               |     |        | ACQ-KBN                         | TV       | DVB    | 3/4   | 27.500   |  |        | English   |
|               |     |        | WRN Multilingual Asia & Pacific | radio    | DVB    | 3/4   | 27.500   |  |        |   |
|               |     |        | RTÉ Radio 1                     | radio    | DVB    | 3/4   | 27.500   |  |        | English   |
|               |     |        | Family Radio International 1    | radio    | DVB    | 3/4   | 27.500   |  |        |   |
|               |     |        | Family Radio International 2    | radio    | DVB    | 3/4   | 27.500   |  |        |   |

| Freq<br>(GHz)                                       | Pol   | Beam   | Channel                  | Analogue |        | Audio MHz      | Text     | Access  | Lang.  |          |         |  |        |
|---|-------|--------|--------------------------|----------|--------|----------------|----------|---------|--|----------|---------|--|--------|
|   |       |        |                          | Digital  | FEC    | MSy/s          |          |         |  |          |         |  |        |
| D 12.616  | H     | Europe | Adventist World Radio    | radio    | DVB    | 3/4            | 27.500   |         |  |          |         |  |        |
|   |       |        | Public Radio of Armenia  | radio    | DVB    | 3/4            | 27.500   |         |  | Armenian |         |  |        |
|   |       |        | Radio Finland            | radio    | DVB    | 3/4            | 27.500   |         |  |          |         |  |        |
|   |       |        | Radio Suomi              | radio    | DVB    | 3/4            | 27.500   |         |  |          |         |  |        |
|   |       |        | CNN Radio                | radio    | DVB    | 3/4            | 27.500   |         | Conax/Irdeto 2/Mediaguard 2/Nagravision 3/Viaccess 3.0 |          | English |  |        |
|   |       |        | WRN Deutsch              | radio    | DVB    | 3/4            | 27.500   |         |  |          | German  |  |        |
|   |       |        | WRN English Europe       | radio    | DVB    | 3/4            | 27.500   |         |  |          | English |  |        |
|   |       |        | WRN Russkij              | radio    | DVB    | 3/4            | 27.500   |         |  |          | Russian |  |        |
|   |       |        | RCI 2                    | radio    | DVB    | 3/4            | 27.500   |         |  |          | French  |  |        |
|   |       |        | CVC The Voice Asia       | radio    | DVB    | 3/4            | 27.500   |         |  |          | Hindi   |  |        |
|   |       |        | Sawt Al Alam             | radio    | DVB    | 3/4            | 27.500   |         |  |          | Arabic  |  |        |
|   |       |        | Radio Sedaye Iran        | radio    | DVB    | 3/4            | 27.500   |         |  |          | Farsi   |  |        |
|   |       |        | IBC Tamil Radio          | radio    | DVB    | 3/4            | 27.500   |         |  |          | Tamil   |  |        |
|   |       |        | RCI 1                    | radio    | DVB    | 3/4            | 27.500   |         |  |          | English |  |        |
|   |       |        | RCI 3                    | radio    | DVB    | 3/4            | 27.500   |         |  |          |         |  |        |
|   |       |        | WRN Français             | radio    | DVB    | 3/4            | 27.500   |         |  |          | French  |  |        |
|   |       |        | WRN Moscow AM            | radio    | DVB    | 3/4            | 27.500   |         |  |          |         |  |        |
|   |       |        | <u>Sky Italia</u>        | package  | DVB    | 3/4            | 27.500   |         | Videoguard   |          |         |  |        |
|   |       |        | Sky Calcio Info          | TV       | DVB    | 3/4            | 27.500   |         |  |          | Italian |  |        |
|   |       |        | La 7                     | TV       | DVB    | 3/4            | Y 27.500 |         | Videoguard   |          | Italian |  |        |
|   |       |        | Nickelodeon Italia       | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | Comedy Central Italia    | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | Video Italia             | TV       | DVB    | 3/4            | Y 27.500 |         | Videoguard   |          | Italian |  |        |
|   |       |        | Class CNBC               | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | Eurosport News Italia    | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | Milan Channel            | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | Eurosport Italia         | TV       | DVB    | 3/4            | Y 27.500 |         | Videoguard   |          | Italian |  |        |
| Sportitalia   | TV    | DVB    | 3/4                      | 27.500   |        | Videoguard     |          | Italian |  |          |         |  |        |
| Eurosport 2 Italia                                  | TV    | DVB    | 3/4                      | 27.500   |        | Videoguard     |          | Italian |  |          |         |  |        |
| D 12.635  | V     | Europe | <u>Sky Italia</u>        | package  | DVB    | 3/4            | 27.500   |         | Videoguard   |          |         |  |        |
|   |       |        | RaiSat Extra             | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | DeA Kids                 | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | Sky Cinema Max +1        | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | Disney Channel Italia +1 | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | Sky Cinema +24           | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | Classica                 | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | RaiSat Yoyo              | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | Juventus Channel         | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | Toon Disney Italia +1    | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | Inter Channel            | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | Italian |  |        |
|   |       |        | Disney in English        | TV       | DVB    | 3/4            | 27.500   |         | Videoguard   |          | English |  |        |
|   |       |        | D 12.654                 | H        | Europe | <u>Arabsat</u> | package  | DVB     | 3/4  | 27.500   |         |  |        |
|   |       |        |                          |          |        | Sudan TV       | TV       | DVB     | 3/4  | 27.500   |         |  | Arabic |
|   |       |        |                          |          |        | Al-Iraqiya TV  | TV       | DVB     | 3/4  | 27.500   |         |  | Arabic |
| Al Ordoniyah  | TV    | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Live  | TV    | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Al Masriyah   | TV    | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Oman TV Satellite                                   | TV    | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Kuwait Space Channel                                | TV    | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Saudi Arabian TV 1                                  | TV    | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Qatar TV  | TV    | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Sharjah TV  | TV    | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Al Mustakillah TV                                   | TV    | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Jamahiriya Satellite Channel                        | TV    | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Radio Umdurman Holy Koran                           | radio | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Radio Jordan General Channel                        | radio | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Holy Quran Radio                                    | radio | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Iza'at Al-Quran Al-Kareem wa al Barameg Al-Deeniyah | radio | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Al-Shabab   | radio | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Republic of Iraq Radio                              | radio | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| El-Bernameg Al-Aam                                  | radio | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Sout Al-Arab  | radio | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Radio Oman  | radio | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| El-Quran El-Karim                                   | radio | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Holy Quran  | radio | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Radio Kuwait Main                                   | radio | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Radio Quran   | radio | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Program One   | radio | DVB    |                          |          |        | 3/4            | 27.500   |         |  | Arabic   |         |  |        |
| Qatar Radio   | radio | DVB    | 3/4                      | 27.500   |        |                | Arabic   |         |  |          |         |  |        |

| Freq<br>(GHz)              | Pol     | Beam   | Channel           | Analogue |            | Audio MHz         | Text<br>MSy/s | Access                                 | Lang.                          |        |            |         |
|----------------------------|---------|--------|-------------------|----------|------------|-------------------|---------------|--|--------------------------------|--------|------------|---------|
|                            |         |        |                   | Digital  | FEC        |                   |               |  |                                |        |            |         |
| D 12.673                   | V       | Europe | Sharjah FM        | radio    | DVB        | 3/4               | 27.500        |  | Arabic                         |        |            |         |
|                            |         |        | Umdurman Radio    | radio    | DVB        | 3/4               | 27.500        |  | Arabic                         |        |            |         |
|                            |         |        | Radio Oman FM     | radio    | DVB        | 3/4               | 27.500        |  | English                        |        |            |         |
| D 12.692                   | H       | Europe | <u>Skv Italia</u> | package  | DVB        | 3/4               | 27.500        | Videoguard                             |                                |        |            |         |
|                            |         |        | Sky Inside        | TV       | DVB        | 3/4               | 27.500        | Videoguard                             | Italian                        |        |            |         |
| D 12.713                   | V       | Europe | <u>Bis</u>        | package  | DVB        | 3/4               | 27.500        | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 |                                |        |            |         |
|                            |         |        | Orange sport info | TV       | DVB        | 3/4               | 27.500        | Viaccess 2.5/Viaccess 3.0              | French                         |        |            |         |
|                            |         |        | Luxe TV           | TV       | DVB        | 3/4               | 27.500        |  | French,English,Italian,Russian |        |            |         |
|                            |         |        | Ciné First        | TV       | DVB        | 3/4               | 27.500        | Mediaguard 2/Viaccess 2.5              | French                         |        |            |         |
|                            |         |        | France 4          | TV       | DVB        | 3/4               | 27.500        | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 | French                         |        |            |         |
|                            |         |        | Gulli             | TV       | DVB        | 3/4               | 27.500        | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 | French                         |        |            |         |
|                            |         |        | Virgin 17         | TV       | DVB        | 3/4               | 27.500        | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 | French                         |        |            |         |
|                            |         |        | AB 4              | TV       | DVB        | 3/4               | Y 27.500      | Mediaguard 2/Viaccess 2.5              | French                         |        |            |         |
|                            |         |        | AB 3              | TV       | DVB        | 3/4               | Y 27.500      | Mediaguard 2/Viaccess 2.5              | French                         |        |            |         |
|                            |         |        | France 3 Sat      | TV       | DVB        | 3/4               | 27.500        | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 | French                         |        |            |         |
|                            |         |        | M6                | TV       | DVB        | 3/4               | 27.500        | Viaccess 2.5                           | French                         |        |            |         |
|                            |         |        | NRJ 12            | TV       | DVB        | 3/4               | 27.500        | Viaccess 2.5/Viaccess 3.0              | French                         |        |            |         |
|                            |         |        | France 2          | TV       | DVB        | 3/4               | 27.500        | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 | French                         |        |            |         |
|                            |         |        | W9                | TV       | DVB        | 3/4               | 27.500        | Viaccess 2.5                           | French                         |        |            |         |
|                            |         |        | TMC               | TV       | DVB        | 3/4               | Y 27.500      | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 | French,English                 |        |            |         |
|                            |         |        | Ciné Polar        | TV       | DVB        | 3/4               | Y 27.500      | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 | French                         |        |            |         |
|                            |         |        | Ciné FX           | TV       | DVB        | 3/4               | Y 27.500      | Mediaguard 2/Viaccess 2.5/Viaccess 3.0 | French                         |        |            |         |
|                            |         |        | D 12.731          | H        | Europe     | <u>Skv Italia</u> | package       | DVB                                    | 3/4                            | 27.500 | Videoguard |         |
|                            |         |        |                   |          |            | Sky Primafila 36  | TV            | DVB                                    | 3/4                            | 27.500 | Videoguard | Italian |
|                            |         |        |                   |          |            | Sky Primafila 40  | TV            | DVB                                    | 3/4                            | 27.500 | Videoguard | Italian |
| Sky Primafila 37           | TV      | DVB    |                   |          |            | 3/4               | 27.500        | Videoguard                             | Italian                        |        |            |         |
| Sky Primafila 39           | TV      | DVB    |                   |          |            | 3/4               | 27.500        | Videoguard                             | Italian                        |        |            |         |
| Sky Primafila 19           | TV      | DVB    |                   |          |            | 3/4               | 27.500        | Videoguard                             | Italian                        |        |            |         |
| Sky Primafila 38           | TV      | DVB    |                   |          |            | 3/4               | 27.500        | Videoguard                             | Italian                        |        |            |         |
| <u>Skv Italia</u>          | package | DVB    | 3/4               | 27.500   | Videoguard |                   |               |  |                                |        |            |         |
| RaiSat Cinema              | TV      | DVB    | 3/4               | 27.500   | Videoguard | Italian           |               |  |                                |        |            |         |
| MTV Gold                   | TV      | DVB    | 3/4               | 27.500   | Videoguard |                   |               |  |                                |        |            |         |
| MTV Hits Italia            | TV      | DVB    | 3/4               | 27.500   | Videoguard | Italian           |               |  |                                |        |            |         |
| MTV Brand New              | TV      | DVB    | 3/4               | 27.500   | Videoguard |                   |               |  |                                |        |            |         |
| VH1 Europe A               | TV      | DVB    | 3/4               | 27.500   | Videoguard | English           |               |  |                                |        |            |         |
| MTV Pulse Italia           | TV      | DVB    | 3/4               | 27.500   | Videoguard |                   |               |  |                                |        |            |         |
| MTV Italia                 | TV      | DVB    | 3/4               | Y 27.500 | Videoguard | Italian           |               |  |                                |        |            |         |
| RaiSat Gambero Rosso       | TV      | DVB    | 3/4               | 27.500   | Videoguard | Italian           |               |  |                                |        |            |         |
| Discovery Real Time Italia | TV      | DVB    | 3/4               | 27.500   | Videoguard | Italian           |               |  |                                |        |            |         |
| Animal Planet Italia       | TV      | DVB    | 3/4               | 27.500   | Videoguard | Italian           |               |  |                                |        |            |         |
| ESPN Classic Italia        | TV      | DVB    | 3/4               | 27.500   | Videoguard | Italian           |               |  |                                |        |            |         |

#### EUROBIRD™ 1 (28.5°EAST)

|          |       |       |                        |         |     |         |        |            |         |
|----------|-------|-------|------------------------|---------|-----|---------|--------|------------|---------|
| D 11.222 | H     | Fixed | <u>Skv UK</u>          | package | DVB | 2/3     | 27.500 |            |         |
|          |       |       | Babeworld Live         | TV      | DVB | 2/3     | 27.500 |            | English |
|          |       |       | Sport XXX Wives        | TV      | DVB | 2/3     | 27.500 | Videoguard | English |
|          |       |       | Discovery Knowledge +1 | TV      | DVB | 2/3     | 27.500 | Videoguard | English |
|          |       |       | Edge                   | TV      | DVB | 2/3     | 27.500 |            | English |
|          |       |       | Sport XXX Babes TV     | TV      | DVB | 2/3     | 27.500 |            | English |
|          |       |       | The Boudoir            | TV      | DVB | 2/3     | 27.500 |            | English |
|          |       |       | Sport XXX Girls        | TV      | DVB | 2/3     | 27.500 | Videoguard | English |
|          |       |       | Babeworld MILF         | TV      | DVB | 2/3     | 27.500 |            | English |
|          |       |       | UCB TV                 | TV      | DVB | 2/3     | 27.500 |            | English |
|          |       |       | Celebrity Shop         | TV      | DVB | 2/3     | 27.500 |            | English |
|          |       |       | Rockworld TV           | TV      | DVB | 2/3     | 27.500 |            | English |
|          |       |       | Babestation 2          | TV      | DVB | 2/3     | 27.500 |            | English |
|          |       |       | Fashion TV UK          | TV      | DVB | 2/3     | 27.500 |            | English |
|          |       |       | DMAX UK +1             | TV      | DVB | 2/3     | 27.500 | Videoguard | English |
|          |       |       | Clubland TV            | TV      | DVB | 2/3     | 27.500 |            | English |
|          |       |       | Zone Horror +1         | TV      | DVB | 2/3     | 27.500 |            | English |
|          |       |       | Chat Box               | TV      | DVB | 2/3     | 27.500 |            | English |
|          |       |       | Sunrise Radio          | radio   | DVB | 2/3     | 27.500 |            | English |
|          |       |       | ILM Radio              | radio   | DVB | 2/3     | 27.500 |            | English |
|          |       |       | Galaxy Yorkshire       | radio   | DVB | 2/3     | 27.500 |            | English |
|          |       |       | Heart 106.2            | radio   | DVB | 2/3     | 27.500 |            | English |
|          |       |       | BFBS Radio Digital     | radio   | DVB | 2/3     | 27.500 |            | English |
| LBC 97.3 | radio | DVB   | 2/3                    | 27.500  |     | English |        |            |         |
| D 11.224 | V     | Fixed | <u>Skv UK</u>          | package | DVB | 2/3     | 27.500 | Videoguard |         |
|          |       |       | PTV Global UK & Europe | TV      | DVB | 2/3     | 27.500 |            | Urdu    |

| Freq<br>(GHz) | Pol | Beam  | Channel                             | Analogue  |     | Audio MHz | Text     | Access     | Lang.          |
|---------------|-----|-------|-------------------------------------|-----------|-----|-----------|----------|------------|----------------|
|               |     |       |                                     | Digital   | FEC | MSy/s     |          |            |                |
|               |     |       | Omusic TV                           | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Nollywood Movies                    | TV        | DVB | 2/3       | 27.500   | Videoguard | English        |
|               |     |       | Al Jazeera Children's Channel       | TV        | DVB | 2/3       | 27.500   |            | Arabic         |
|               |     |       | SAB TV                              | TV        | DVB | 2/3       | 27.500   | Videoguard | Hindi          |
|               |     |       | Sahara One                          | TV        | DVB | 2/3       | 27.500   | Videoguard | Hindi          |
|               |     |       | Movies4Men                          | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Movies4Men 2                        | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | PlayJam Games                       | interacti | DVB | 2/3       | 27.500   | Videoguard |                |
| D 11.260      | V   | Fixed | <u>Skyl UK</u>                      | package   | DVB | 2/3       | 27.500   |            |                |
|               |     |       | Open Access 3                       | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | NTV                                 | TV        | DVB | 2/3       | 27.500   |            | Bengali        |
|               |     |       | Audi channel                        | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Gospel Channel                      | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Open Access 2                       | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Open Access                         | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Aaj Tak International               | TV        | DVB | 2/3       | 27.500   | Videoguard | Hindi          |
|               |     |       | Genesis TV                          | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | The Paranormal Channel              | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Rural TV                            | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Smart Live Casino                   | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Movies4Men 2 +1                     | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Revelation TV                       | TV        | DVB | 2/3       | 27.500   |            | English        |
| D 11.261      | H   | Fixed | <u>Skyl UK</u>                      | package   | DVB | 2/3       | 27.500   |            |                |
|               |     |       | Star Plus UK                        | TV        | DVB | 2/3       | 27.500   | Videoguard | Hindi          |
|               |     |       | Crime & Investigation Network UK +1 | TV        | DVB | 2/3       | 27.500   | Videoguard | English        |
|               |     |       | Star Gold UK                        | TV        | DVB | 2/3       | 27.500   | Videoguard | Hindi          |
|               |     |       | The Africa Channel                  | TV        | DVB | 2/3       | 27.500   | Videoguard | English        |
|               |     |       | CNBC UK                             | TV        | DVB | 2/3       | Y 27.500 | Videoguard | English        |
|               |     |       | Thane Direct                        | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Zone Reality UK +1                  | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | DMAX UK                             | TV        | DVB | 2/3       | 27.500   | Videoguard | English        |
|               |     |       | GayNetwork                          | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | DM Digital                          | TV        | DVB | 2/3       | 27.500   |            | Urdu           |
|               |     |       | Zone Horror                         | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Max TV!                             | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | 3e                                  | TV        | DVB | 2/3       | 27.500   | Videoguard | English        |
|               |     |       | Sport XXX TV                        | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | NewsTalk                            | radio     | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Panjab Radio                        | radio     | DVB | 2/3       | 27.500   |            | Punjabi        |
| D 11.307      | H   | Fixed | Challenge +1                        | TV        | DVB | 2/3       | 27.500   | Videoguard | English        |
| D 11.307      | H   | Fixed | Propeller                           | TV        | DVB | 2/3       | 27.500   |            | English        |
| D 11.307      | H   | Fixed | Virgin 1 +1                         | TV        | DVB | 2/3       | 27.500   | Videoguard | English        |
| D 11.307      | H   | Fixed | Living Ireland                      | TV        | DVB | 2/3       | 27.500   | Videoguard | English        |
| D 11.307      | H   | Fixed | NTA International                   | TV        | DVB | 2/3       | 27.500   |            | English        |
| D 11.307      | H   | Fixed | Bravo 2                             | TV        | DVB | 2/3       | 27.500   | Videoguard | English        |
| D 11.307      | H   | Fixed | JML                                 | TV        | DVB | 2/3       | 27.500   |            | English        |
| D 11.307      | H   | Fixed | Living 2 +1                         | TV        | DVB | 2/3       | 27.500   | Videoguard | English        |
| D 11.307      | H   | Fixed | Virgin 1                            | TV        | DVB | 2/3       | 27.500   | Videoguard | English        |
| D 11.307      | H   | Fixed | Premier Christian Radio             | radio     | DVB | 2/3       | 27.500   |            | English        |
| D 11.307      | H   | Fixed | <u>Skyl UK</u>                      | package   | DVB | 2/3       | 27.500   | Videoguard |                |
| D 11.307      | V   | Fixed | The Jewellery Channel               | TV        | DVB | 2/3       | 27.500   |            | English        |
| D 11.307      | V   | Fixed | BET UK                              | TV        | DVB | 2/3       | 27.500   |            | English        |
| D 11.307      | V   | Fixed | Nigeria Movies                      | TV        | DVB | 2/3       | 27.500   | Videoguard | English        |
| D 11.307      | V   | Fixed | Ideal World 3                       | TV        | DVB | 2/3       | 27.500   |            | English        |
| D 11.307      | V   | Fixed | MUTV                                | TV        | DVB | 2/3       | Y 27.500 | Videoguard | English        |
| D 11.307      | V   | Fixed | Motors TV UK                        | TV        | DVB | 2/3       | 27.500   | Videoguard | French,English |
| D 11.307      | V   | Fixed | 9X UK                               | TV        | DVB | 2/3       | 27.500   |            | English        |
| D 11.307      | V   | Fixed | Yesterday +1                        | TV        | DVB | 2/3       | 27.500   | Videoguard | English        |
| D 11.307      | V   | Fixed | Xplicit XXX                         | TV        | DVB | 2/3       | 27.500   | Videoguard | English        |
| D 11.307      | V   | Fixed | High Street TV                      | TV        | DVB | 2/3       | 27.500   |            | English        |
| D 11.307      | V   | Fixed | <u>Skyl UK</u>                      | package   | DVB | 2/3       | 27.500   | Videoguard |                |
|               |     |       | Aastha International                | TV        | DVB | 2/3       | 27.500   |            | Hindi          |
| D 11.343      | V   | Fixed | <u>Skyl UK</u>                      | package   | DVB | 2/3       | 27.500   |            |                |
|               |     |       | Babeworld TV                        | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Southern Africa Direct              | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | My Channel                          | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Psychic & Soul                      | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Psychic TV                          | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | Starz                               | TV        | DVB | 2/3       | 27.500   |            | English        |
|               |     |       | The Chat Lounge                     | TV        | DVB | 2/3       | 27.500   |            | English        |

| Freq<br>(GHz)                   | Pol     | Beam  | Channel                         | Analogue |            | Audio | Text       | Access     | Lang.   |         |
|---------------------------------|---------|-------|---------------------------------|----------|------------|-------|------------|------------|---------|---------|
|                                 |         |       |                                 | Digital  | FEC        | MHz   |            |            |         |         |
| D 11.344                        | H       | Fixed | Nick Toonsters                  | TV       | DVB        | 2/3   | 27.500     | Videoguard | English |         |
|                                 |         |       | Babeworld TV Xxtra              | TV       | DVB        | 2/3   | 27.500     |            | English |         |
|                                 |         |       | Cupid TV                        | TV       | DVB        | 2/3   | 27.500     |            | English |         |
|                                 |         |       | NDTV Imagine                    | TV       | DVB        | 2/3   | 27.500     |            | Hindi   |         |
|                                 |         |       | Babestation                     | TV       | DVB        | 2/3   | 27.500     |            | English |         |
|                                 |         |       | Zone Romantica UK               | TV       | DVB        | 2/3   | 27.500     |            | English |         |
|                                 |         |       | Sex Station                     | TV       | DVB        | 2/3   | 27.500     |            | English |         |
|                                 |         |       | AT Global Network               | TV       | DVB        | 2/3   | 27.500     |            |         |         |
|                                 |         |       | Comedy Central Extra +1         | TV       | DVB        | 2/3   | 27.500     | Videoguard |         | English |
|                                 |         |       | Skyl UK                         | package  | DVB        | 2/3   | 27.500     |            |         |         |
|                                 |         |       | KBC                             | TV       | DVB        | 2/3   | 27.500     |            |         | English |
|                                 |         |       | LivexxBabes                     | TV       | DVB        | 2/3   | 27.500     |            |         | English |
|                                 |         |       | The Boudoir                     | TV       | DVB        | 2/3   | 27.500     |            |         | English |
|                                 |         |       | Hidayat TV                      | TV       | DVB        | 2/3   | 27.500     |            |         | Urdu    |
|                                 |         |       | Sumo TV                         | TV       | DVB        | 2/3   | 27.500     |            |         | English |
|                                 |         |       | Nick Jr UK +1                   | TV       | DVB        | 2/3   | 27.500     | Videoguard |         | English |
|                                 |         |       | Wedding TV UK                   | TV       | DVB        | 2/3   | 27.500     |            |         | English |
|                                 |         |       | 40+ Readers Wives               | TV       | DVB        | 2/3   | 27.500     |            |         | English |
|                                 |         |       | Discovery Real Time UK +1       | TV       | DVB        | 2/3   | 27.500     | Videoguard |         | English |
|                                 |         |       | Animal Planet Europe +1         | TV       | DVB        | 2/3   | 27.500     | Videoguard |         | English |
|                                 |         |       | Hotel Voyeur                    | TV       | DVB        | 2/3   | 27.500     |            |         | English |
|                                 |         |       | Bangla TV                       | TV       | DVB        | 2/3   | 27.500     |            |         | Bengali |
|                                 |         |       | Blue Kiss                       | TV       | DVB        | 2/3   | 27.500     |            |         | English |
|                                 |         |       | Discovery Science Channel UK +1 | TV       | DVB        | 2/3   | 27.500     | Videoguard |         | English |
|                                 |         |       | Discovery Shed                  | TV       | DVB        | 2/3   | 27.500     | Videoguard |         | English |
|                                 |         |       | Skyl UK                         | package  | DVB        | 2/3   | 27.500     |            |         |         |
|                                 |         |       | Investigation Discovery Europe  | TV       | DVB        | 2/3   | 27.500     | Videoguard |         | English |
|                                 |         |       | Skyl UK                         | package  | DVB        | 2/3   | 27.500     | Videoguard |         |         |
|                                 |         |       | Playboy TV UK                   | TV       | DVB        | 2/3   | Y 27.500   | Videoguard |         | English |
|                                 |         |       | Paul Raymond TV                 | TV       | DVB        | 2/3   | 27.500     | Videoguard |         | English |
|                                 |         |       | Adult Channel                   | TV       | DVB        | 2/3   | Y 27.500   | Videoguard |         | English |
|                                 |         |       | Climax 3-3                      | TV       | DVB        | 2/3   | 27.500     | Videoguard |         | English |
|                                 |         |       | Climax 3-2                      | TV       | DVB        | 2/3   | 27.500     | Videoguard |         | English |
| Spice Extreme                   | TV      | DVB   | 2/3                             | 27.500   | Videoguard |       | English    |            |         |         |
| The Dating Channel              | TV      | DVB   | 2/3                             | Y 27.500 |            |       | English    |            |         |         |
| ARY News UK & USA               | TV      | DVB   | 2/3                             | 27.500   |            |       | Urdu       |            |         |         |
| Movies 24 UK +                  | TV      | DVB   | 2/3                             | 27.500   | Videoguard |       | English    |            |         |         |
| Movies 24 UK                    | TV      | DVB   | 2/3                             | 27.500   | Videoguard |       | English    |            |         |         |
| Climax 3-1                      | TV      | DVB   | 2/3                             | 27.500   | Videoguard |       | English    |            |         |         |
| Family Radio                    | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| NME Radio                       | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| WRN Multilingual Asia & Pacific | radio   | DVB   | 2/3                             | 27.500   |            |       |            |            |         |         |
| Colourful Radio                 | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| Absolute Radio                  | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| Absolute Classic Rock           | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| Absolute Xtreme                 | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| Rainbow Radio                   | radio   | DVB   | 2/3                             | 27.500   |            |       |            |            |         |         |
| RNW 2                           | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| Rádio Record                    | radio   | DVB   | 2/3                             | 27.500   |            |       | Portuguese |            |         |         |
| WRN Multilingual North America  | radio   | DVB   | 2/3                             | 27.500   |            |       |            |            |         |         |
| Jazz FM                         | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| CSN International               | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| CVC The Voice Asia              | radio   | DVB   | 2/3                             | 27.500   |            |       | Hindi      |            |         |         |
| Radio Caroline                  | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| Desi Radio                      | radio   | DVB   | 2/3                             | 27.500   |            |       |            |            |         |         |
| Yorkshire Radio                 | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| TWR UK                          | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| Spectrum Radio Sky              | radio   | DVB   | 2/3                             | 27.500   |            |       |            |            |         |         |
| Gaydar Radio                    | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| RTÉ Radio 1 Extra               | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| WRN English Europe              | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| Raaj Radio                      | radio   | DVB   | 2/3                             | 27.500   |            |       | Panjabi    |            |         |         |
| Insight Radio                   | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| Starpoint Radio                 | radio   | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| Amrit Bani                      | radio   | DVB   | 2/3                             | 27.500   |            |       | Panjabi    |            |         |         |
| Skyl UK                         | package | DVB   | 2/3                             | 27.500   |            |       |            |            |         |         |
| Geo UK                          | TV      | DVB   | 2/3                             | 27.500   | Videoguard |       | Urdu       |            |         |         |
| Venus TV                        | TV      | DVB   | 2/3                             | 27.500   |            |       |            |            |         |         |
| KICC TV                         | TV      | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |
| Glory TV                        | TV      | DVB   | 2/3                             | 27.500   |            |       | English    |            |         |         |

| Freq<br>(GHz) | Pol | Beam  | Channel                                   | Analogue  |     | Audio MHz | Text     | Access     | Lang.   |
|---------------|-----|-------|---|-----------|-----|-----------|----------|------------|---------|
|               |     |       |   | Digital   | FEC | MSy/s     |          |            |         |
|               |     |       | Bloomberg TV Europe                       | TV        | DVB | 2/3       | 27.500   |            | English |
|               |     |       | Speed Auction TV                          | TV        | DVB | 2/3       | 27.500   |            | English |
|               |     |       | Bid TV                                    | TV        | DVB | 2/3       | 27.500   |            | English |
|               |     |       | ARY QTV                                   | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Diva TV                                   | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | OBE TV                                    | TV        | DVB | 2/3       | 27.500   |            | English |
|               |     |       | 9XM                                       | TV        | DVB | 2/3       | 27.500   |            | Hindi   |
|               |     |       | Challenge Jackpot                         | TV        | DVB | 2/3       | 27.500   |            | English |
|               |     |       | Aag TV UK                                 | TV        | DVB | 2/3       | 27.500   | Videoguard |         |
|               |     |       | Price-Drop TV                             | TV        | DVB | 2/3       | 27.500   |            | English |
| D 11.428      | H   | Fixed | Shorts TV France                          | TV        | DVB | 2/3       | 27.500   |            | French  |
| D 11.428      | H   | Fixed | Low Energy                                | radio     | DVB | 2/3       | 27.500   |            |         |
| D 11.428      | H   | Fixed | Groove                                    | radio     | DVB | 2/3       | 27.500   |            |         |
| D 11.428      | H   | Fixed | Radio Shepherd                            | radio     | DVB | 2/3       | 27.500   |            |         |
| D 11.428      | H   | Fixed | High Energy                               | radio     | DVB | 2/3       | 27.500   |            |         |
| D 11.428      | H   | Fixed | Classic                                   | radio     | DVB | 2/3       | 27.500   |            |         |
| D 11.428      | H   | Fixed | Wellbeing                                 | radio     | DVB | 2/3       | 27.500   |            |         |
| D 11.469      | H   | S1    | <u>Sky UK</u>                             | package   | DVB | 2/3       | 27.500   | Videoguard |         |
|               |     |       | Sky Box Office 59                         | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Sky Box Office 61                         | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Sky Box Office 58                         | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Sky Box Office 55                         | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Sky Box Office 54                         | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Sky Box Office 18+ 6                      | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Sky Box Office 42                         | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | History UK +1                             | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Sky Box Office 35                         | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Sky Box Office 4                          | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Sky Box Office 18+ 5                      | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Sky Box Office 45                         | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | TVE Internacional Europe                  | TV        | DVB | 2/3       | 27.500   | Videoguard | Spanish |
|               |     |       | Sky Customer Services                     | interacti | DVB | 2/3       | 27.500   | Videoguard |         |
|               |     |       | Directgov                                 | interacti | DVB | 2/3       | 27.500   | Videoguard |         |
| D 11.488      | V   | S1    | <u>Sky UK</u>                             | package   | DVB | 2/3       | 27.500   |            |         |
|               |     |       | Bedroom TV                                | TV        | DVB | 2/3       | 27.500   |            | English |
|               |     |       | Channel S UK                              | TV        | DVB | 2/3       | 27.500   |            | Bengali |
|               |     |       | Info TV 2                                 | TV        | DVB | 2/3       | 27.500   |            | English |
|               |     |       | Channel I                                 | TV        | DVB | 2/3       | 27.500   |            | Bengali |
|               |     |       | France 24 English                         | TV        | DVB | 2/3       | 27.500   |            | English |
|               |     |       | ATN Bangla UK                             | TV        | DVB | 2/3       | 27.500   |            | Bengali |
| D 11.508      | H   | S1    | <u>Sky UK</u>                             | package   | DVB | 2/3       | 27.500   | Videoguard |         |
|               |     |       | 100% Babes                                | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Xtreme Babes                              | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Amateur Babes                             | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | The Pub Channel                           | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Prowler TV                                | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Adult Channel PPV                         | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Sky Venue                                 | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Playboy TV UK PPV                         | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Scrabble                                  | interacti | DVB | 2/3       | 27.500   | Videoguard |         |
|               |     |       | Sky Sports Premiership Football Challenge | interacti | DVB | 2/3       | 27.500   | Videoguard |         |
|               |     |       | Shrek Imperial Peril                      | interacti | DVB | 2/3       | 27.500   | Videoguard |         |
|               |     |       | Spongebob Squarepants                     | interacti | DVB | 2/3       | 27.500   | Videoguard |         |
|               |     |       | Pool World Challenge                      | interacti | DVB | 2/3       | 27.500   | Videoguard |         |
|               |     |       | Are you smarter than a 10 year old?       | interacti | DVB | 2/3       | 27.500   | Videoguard |         |
| D 11.527      | V   | S1    | <u>Sky UK</u>                             | package   | DVB | 2/3       | 27.500   |            |         |
|               |     |       | GayDateTV                                 | TV        | DVB | 2/3       | Y 27.500 |            | English |
|               |     |       | Hotel Voyeur 3                            | TV        | DVB | 2/3       | 27.500   |            | English |
|               |     |       | Bang Babes 3                              | TV        | DVB | 2/3       | 27.500   |            | English |
|               |     |       | Best of British Legends                   | TV        | DVB | 2/3       | 27.500   |            | English |
|               |     |       | Bang Babes 2                              | TV        | DVB | 2/3       | 27.500   |            | English |
|               |     |       | Extreme Sports Channel UK                 | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Channel M                                 | TV        | DVB | 2/3       | 27.500   |            | English |
|               |     |       | Comedy Central Ireland                    | TV        | DVB | 2/3       | Y 27.500 | Videoguard | English |
|               |     |       | Thomas Cook TV                            | TV        | DVB | 2/3       | 27.500   |            | English |
|               |     |       | Eden +1                                   | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
| D 11.546      | H   | S1    | <u>Sky UK</u>                             | package   | DVB | 2/3       | 27.500   |            |         |
|               |     |       | Comedy Central UK +1                      | TV        | DVB | 2/3       | 27.500   | Videoguard | English |
|               |     |       | Hotel Voyeur                              | TV        | DVB | 2/3       | 27.500   |            | English |

| Freq (GHz)                        | Pol       | Beam | Channel                | Analogue |            | Audio MHz         | Text     | Access     | Lang. |   |                 |  |         |
|-----------------------------------|-----------|------|------------------------|----------|------------|-------------------|----------|------------|-------|---|-----------------|--|---------|
|                                   |           |      |                        | Digital  | FEC        | MSy/s             |          |            |       |   |                 |  |         |
| D 11.585                          | H         | S1   | Life TV                | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | Punjabi TV             | TV       | DVB        | 2/3               | 27.500   |            |       |   |                 |  |         |
|                                   |           |      | Faith TV               | TV       | DVB        | 2/3               | 27.500   |            |       |   | English         |  |         |
|                                   |           |      | Monte Carlo Roulette   | TV       | DVB        | 2/3               | 27.500   |            |       |   | English         |  |         |
|                                   |           |      | CinéMoi                | TV       | DVB        | 2/3               | 27.500   | Videoguard |       |   |                 |  |         |
|                                   |           |      | ARY Digital UK/Europe  | TV       | DVB        | 2/3               | 27.500   | Videoguard |       |   | Urdu            |  |         |
|                                   |           |      | Gala TV                | TV       | DVB        | 2/3               | 27.500   |            |       |   | English         |  |         |
|                                   |           |      | Geo News               | TV       | DVB        | 2/3               | 27.500   | Videoguard |       |   | Urdu            |  |         |
|                                   |           |      | Shop on TV             | TV       | DVB        | 2/3               | 27.500   |            |       |   | English         |  |         |
|                                   |           |      | V Channel              | TV       | DVB        | 2/3               | 27.500   |            |       |   | English         |  |         |
|                                   |           |      | <u>Sky UK</u>          | package  | DVB        | 2/3               | 27.500   | Videoguard |       |   |                 |  |         |
|                                   |           |      | Arsenal TV             | TV       | DVB        | 2/3               | 27.500   | Videoguard |       |   | English         |  |         |
|                                   |           |      | Racing UK              | TV       | DVB        | 2/3               | Y 27.500 | Videoguard |       |   | English         |  |         |
|                                   |           |      | Racing World           | TV       | DVB        | 2/3               | Y 27.500 | Videoguard |       |   | English         |  |         |
|                                   |           |      | Setanta Sports Ireland | TV       | DVB        | 2/3               | 27.500   | Videoguard |       |   | English         |  |         |
|                                   |           |      | ESPN America UK        | TV       | DVB        | 2/3               | 27.500   | Videoguard |       |   | English         |  |         |
|                                   |           |      | Liverpool FC TV        | TV       | DVB        | 2/3               | 27.500   | Videoguard |       |   | English         |  |         |
|                                   |           |      | D 11.604               | V        | S1         | <u>Sky UK</u>     | package  | DVB        | 2/3   | 27.500                                    | Videoguard      |  |         |
|                                   |           |      |                        |          |            | Sky Anytime B     | TV       | DVB        | 2/3   | 27.500                                    | Videoguard      |  |         |
| Sky Movies Modern Greats          | TV        | DVB  |                        |          |            | 2/3               | Y 27.500 | Videoguard |       |   | English,English |  |         |
| Sky Movies Screen 2               | TV        | DVB  |                        |          |            | 2/3               | 27.500   | Videoguard |       |   | English,English |  |         |
| Sky Movies Premiere +1            | TV        | DVB  |                        |          |            | 2/3               | Y 27.500 | Videoguard |       |   | English,English |  |         |
| History UK                        | TV        | DVB  |                        |          |            | 2/3               | 27.500   | Videoguard |       |   | English         |  |         |
| Bio UK                            | TV        | DVB  |                        |          |            | 2/3               | 27.500   | Videoguard |       |   | English         |  |         |
| Sky Movies Premiere               | TV        | DVB  |                        |          |            | 2/3               | Y 27.500 | Videoguard |       |   | English,English |  |         |
| Sky Anytime A                     | TV        | DVB  |                        |          |            | 2/3               | 27.500   | Videoguard |       |   | English,English |  |         |
| WAP Casino One                    | interacti | DVB  |                        |          |            | 2/3               | 27.500   | Videoguard |       |   |                 |  |         |
| <u>Sky UK</u>                     | package   | DVB  |                        |          |            | 2/3               | 27.500   |            |       |   |                 |  |         |
| Baby TV Europe                    | TV        | DVB  |                        |          |            | 2/3               | 27.500   | Videoguard |       |   | English         |  |         |
| Sci Fi UK +1                      | TV        | DVB  |                        |          |            | 2/3               | 27.500   | Videoguard |       |   | English         |  |         |
| Bang Babes 1                      | TV        | DVB  |                        |          |            | 2/3               | 27.500   |            |       |   | English         |  |         |
| Abu Dhabi Al Oula Europe          | TV        | DVB  | 2/3                    | 27.500   |            |                   |          | Arabic     |       |   |                 |  |         |
| Prime TV                          | TV        | DVB  | 2/3                    | 27.500   |            |                   |          |            |       |   |                 |  |         |
| Russia Today                      | TV        | DVB  | 2/3                    | 27.500   |            |                   |          | English    |       |   |                 |  |         |
| Diva TV +1                        | TV        | DVB  | 2/3                    | 27.500   | Videoguard |                   |          | English    |       |   |                 |  |         |
| Phoenix CNE                       | TV        | DVB  | 2/3                    | 27.500   |            |                   |          | Chinese    |       |   |                 |  |         |
| Magic 105.4 FM                    | radio     | DVB  | 2/3                    | 27.500   |            |                   |          | English    |       |   |                 |  |         |
| Costcutter In Tune Radio          | radio     | DVB  | 2/3                    | 27.500   |            |                   |          | English    |       |   |                 |  |         |
| Kiss 100                          | radio     | DVB  | 2/3                    | 27.500   |            |                   |          | English    |       |   |                 |  |         |
| D 11.642                          | V         | S1   | <u>Sky UK</u>          | package  | DVB        | 2/3               | 27.500   |            |       |   |                 |  |         |
|                                   |           |      | True Movies 2          | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | PopGirl +1             | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | Chart Show TV          | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | PopGirl                | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | The Vault              | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | Kix!                   | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | Tiny Pop +1            | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | Showcase               | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | Pop!                   | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | Tiny Pop               | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | True Movies            | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | Flaunt                 | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | Scuzz                  | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | Bliss                  | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | Flava                  | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | NME TV                 | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | D 11.662               | H        | S1         | <u>Sky UK</u>     | package  | DVB        | 2/3   | 27.500                                    |                 |  |         |
|                                   |           |      |                        |          |            | CCTV 9            | TV       | DVB        | 2/3   | 27.500                                    |                 |  | English |
|                                   |           |      |                        |          |            | Cee (I) TV        | TV       | DVB        | 2/3   | 27.500                                    | Videoguard      |  | Tamil   |
|                                   |           |      |                        |          |            | France 24 English | TV       | DVB        | 2/3   | 27.500                                    |                 |  | English |
| Inspiration Network International | TV        | DVB  |                        |          |            | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
| The Word Network                  | TV        | DVB  |                        |          |            | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
| MTA International                 | TV        | DVB  |                        |          |            | 2/3               | 27.500   |            |       | Urdu,English,French,German,Arabic,Bengali |                 |  |         |
| ESPN Classic UK                   | TV        | DVB  |                        |          |            | 2/3               | 27.500   | Videoguard |       | English                                   |                 |  |         |
| Super Casino                      | TV        | DVB  |                        |          |            | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
| Ladbrokes Roulette                | interacti | DVB  |                        |          |            | 2/3               | 27.500   | Videoguard |       |   |                 |  |         |
| <u>Sky UK</u>                     | package   | DVB  |                        |          |            | 2/3               | 27.500   |            |       |   |                 |  |         |
| D 11.681                          | V         | S1   | Al Jazeera English     | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | God TV UK              | TV       | DVB        | 2/3               | 27.500   |            |       | English                                   |                 |  |         |
|                                   |           |      | Hallmark Channel UK +1 | TV       | DVB        | 2/3               | 27.500   | Videoguard |       | English                                   |                 |  |         |

| Freq<br>(GHz) | Pol | Beam  | Channel                     | Analogue |     | Audio MHz | Text     | Access     | Lang.   |
|---------------|-----|-------|-----------------------------|----------|-----|-----------|----------|------------|---|
|               |     |       |                             | Digital  | FEC | MSy/s     |          |            |   |
|               |     |       | NHK World TV                | TV       | DVB | 2/3       | 27.500   |            | English   |
|               |     |       | Sci Fi UK                   | TV       | DVB | 2/3       | 27.500   | Videoguard | English   |
|               |     |       | Peace TV UK                 | TV       | DVB | 2/3       | 27.500   |            | English   |
|               |     |       | God TV Europe               | TV       | DVB | 2/3       | 27.500   |            | English   |
|               |     |       | Islam Channel               | TV       | DVB | 2/3       | 27.500   |            | English   |
|               |     |       | TBN Europe                  | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | H   | Fixed | Daystar TV                  | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | H   | Fixed | EWTN UK                     | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | H   | Fixed | AIT UK                      | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | H   | Fixed | Information TV              | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | H   | Fixed | BEN                         | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | H   | Fixed | Open Heavens TV             | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | H   | Fixed | Chat Back                   | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | H   | Fixed | AIT Moviestar               | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | H   | Fixed | Movies4Men +1               | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | H   | Fixed | EWTN Radio Europe/UK        | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | H   | Fixed | <u>Sky UK</u>               | package  | DVB | 2/3       | 27.500   |            |   |
| D 12.523      | V   | Fixed | Gems TV 1                   | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Thane Stop and Shop         | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Gems TV 2                   | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | JML CookShop                | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | TV Shop UK                  | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | JML Home & DIY              | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Shop Now TV                 | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Record Internacional Europa | TV       | DVB | 2/3       | 27.500   |            | Portuguese  |
| D 12.523      | V   | Fixed | JML Lifestyle               | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | JML Choice                  | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Zone Reality UK             | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Deya Broadcasting Network   | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | 95.8 Capital FM             | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Gold                        | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Radio Khushkhabri           | radio    | DVB | 2/3       | 27.500   |            |   |
| D 12.523      | V   | Fixed | Kismat Radio                | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Chill                       | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Fun Kids                    | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | XFM 104.9                   | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | UCB Ireland                 | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Classic FM UK               | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Hot Digital Radio           | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Akash Radio                 | radio    | DVB | 2/3       | 27.500   |            |   |
| D 12.523      | V   | Fixed | Planet Rock                 | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Solar Radio                 | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Liberty Radio               | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | Sukh Sagar Radio            | radio    | DVB | 2/3       | 27.500   |            | Punjabi   |
| D 12.523      | V   | Fixed | Choice FM                   | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | UCB UK                      | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | UCB Inspirational           | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | UCB Bible                   | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | UCB Gospel                  | radio    | DVB | 2/3       | 27.500   |            | English   |
| D 12.523      | V   | Fixed | <u>Sky UK</u>               | package  | DVB | 2/3       | 27.500   |            |   |
| D 12.560      | H   | Fixed | Setanta Sports 1 Ireland    | TV       | DVB | 2/3       | 27.500   | Videoguard | English   |
| D 12.560      | H   | Fixed | <u>Sky UK</u>               | package  | DVB | 2/3       | 27.500   | Videoguard |   |
| D 12.560      | V   | Fixed | Travel Channel              | TV       | DVB | 2/3       | Y 27.500 |            | English   |
| D 12.560      | V   | Fixed | Zone Thriller               | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.560      | V   | Fixed | Tron Direct                 | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.560      | V   | Fixed | Best Direct plus            | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.560      | V   | Fixed | Best Direct                 | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.560      | V   | Fixed | Horse & Country TV          | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.560      | V   | Fixed | BabyFirst TV                | TV       | DVB | 2/3       | 27.500   | Videoguard | English,French,Turkish,Spanish,Portuguese                       |
| D 12.560      | V   | Fixed | Rocks & Co.                 | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.560      | V   | Fixed | Travel Deals Direct         | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.560      | V   | Fixed | Wedding TV UK +1            | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.560      | V   | Fixed | EuroNews                    | TV       | DVB | 2/3       | 27.500   |            | English,French,German,Italian,Spanish,Portuguese,Russian,Arabic |
| D 12.560      | V   | Fixed | <u>Sky UK</u>               | package  | DVB | 2/3       | 27.500   |            |   |
| D 12.607      | H   | Fixed | TV X Brits                  | TV       | DVB | 2/3       | 27.500   | Videoguard | English   |
| D 12.607      | H   | Fixed | Red Hot Fetish              | TV       | DVB | 2/3       | 27.500   | Videoguard | English   |
| D 12.607      | H   | Fixed | Dirty Talk                  | TV       | DVB | 2/3       | 27.500   |            | English   |
| D 12.607      | H   | Fixed | Gay TV                      | TV       | DVB | 2/3       | 27.500   | Videoguard | English   |
| D 12.607      | H   | Fixed | Cream                       | TV       | DVB | 2/3       | 27.500   |            | English   |

| Freq (GHz) | Pol | Beam  | Channel                   | Analogue |     | Audio MHz | Text MSy/s | Access     | Lang.           |
|------------|-----|-------|---------------------------|----------|-----|-----------|------------|------------|-----------------|
|            |     |       |                           | Digital  | FEC |           |            |            |                 |
| D 12.607   | H   | Fixed | Filth                     | TV       | DVB | 2/3       | 27.500     |            | English         |
| D 12.607   | H   | Fixed | Red Hot 40+               | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.607   | H   | Fixed | Red Hot Amateur           | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.607   | H   | Fixed | Viewers' Wives            | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.607   | H   | Fixed | Skin City                 | TV       | DVB | 2/3       | 27.500     |            | English         |
| D 12.607   | H   | Fixed | Red Hot Double D          | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.607   | H   | Fixed | TV X Amateur              | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.607   | H   | Fixed | TV X                      | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.607   | H   | Fixed | <u>Sky UK</u>             | package  | DVB | 2/3       | 27.500     | Videoguard |                 |
| D 12.607   | V   | Fixed | Zee TV UK                 | TV       | DVB | 2/3       | 27.500     | Videoguard | Hindi           |
| A 12.607   | V   | Fixed | Rush HD Europe            | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.607   | V   | Fixed | Zee Muzic UK              | TV       | DVB | 2/3       | 27.500     |            | Hindi           |
| D 12.607   | V   | Fixed | Live XXX                  | TV       | DVB | 2/3       | 27.500     |            | English         |
| D 12.607   | V   | Fixed | Zee Cinema UK             | TV       | DVB | 2/3       | 27.500     | Videoguard | Hindi           |
| D 12.607   | V   | Fixed | Zee Punjabi UK            | TV       | DVB | 2/3       | 27.500     | Videoguard | Panjabi         |
| D 12.607   | V   | Fixed | <u>Sky UK</u>             | package  | DVB | 2/3       | 27.500     | Videoguard |                 |
| D 12.643   | H   | Fixed | Music India               | TV       | DVB | 2/3       | 27.500     |            | Bengali         |
| A 12.643   | H   | Fixed | Luxe TV UK                | TV       | DVB | 2/3       | 27.500     |            | English,English |
| D 12.643   | H   | Fixed | LoveWorld TV              | TV       | DVB | 2/3       | 27.500     |            | English         |
| D 12.643   | H   | Fixed | Live Bingo                | TV       | DVB | 2/3       | 27.500     |            | English         |
| D 12.643   | H   | Fixed | Noor TV                   | TV       | DVB | 2/3       | 27.500     |            | English         |
| D 12.643   | H   | Fixed | HiTV UK                   | TV       | DVB | 2/3       | 27.500     |            | English         |
| D 12.643   | H   | Fixed | Body in Balance UK        | TV       | DVB | 2/3       | 27.500     |            | English         |
| D 12.643   | H   | Fixed | Luxe TV UK                | TV       | DVB | 2/3       | 27.500     |            | English         |
| D 12.643   | H   | Fixed | Blue Tube                 | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.643   | H   | Fixed | Fantasy                   | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.643   | H   | Fixed | <u>Sky UK</u>             | package  | DVB | 2/3       | 27.500     | Videoguard |                 |
| D 12.643   | V   | Fixed | Comedy Central Ireland +1 | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.643   | V   | Fixed | The Style Network Emea    | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.643   | V   | Fixed | Nick Jr Ireland           | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.643   | V   | Fixed | Ocean TV                  | TV       | DVB | 2/3       | 27.500     |            | English         |
| D 12.643   | V   | Fixed | Teachers TV               | TV       | DVB | 2/3       | 27.500     |            | English         |
| D 12.643   | V   | Fixed | World Movies TV           | TV       | DVB | 2/3       | 27.500     |            | English         |
| D 12.643   | V   | Fixed | DMAX UK +2                | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.643   | V   | Fixed | Nickelodeon Ireland       | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.643   | V   | Fixed | Military History UK       | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.643   | V   | Fixed | DMAX UK +1.5              | TV       | DVB | 2/3       | 27.500     | Videoguard | English         |
| D 12.643   | V   | Fixed | Elite TV                  | TV       | DVB | 2/3       | 27.500     |            | English         |
| D 12.643   | V   | Fixed | Ocean TV mosaic           | TV       | DVB | 2/3       | 27.500     |            | English         |
| D 12.643   | V   | Fixed | <u>Sky UK</u>             | package  | DVB | 2/3       | 27.500     | Videoguard |                 |
| D 12.691   | V   | Fixed | <u>Sky UK</u>             | package  | DVB | 2/3       | 27.500     |            |                 |
|            |     |       | BET UK +1                 | TV       | DVB | 2/3       | 27.500     |            | English         |
|            |     |       | Pitch TV World            | TV       | DVB | 2/3       | 27.500     |            | English         |
|            |     |       | Pitch TV                  | TV       | DVB | 2/3       | 27.500     |            | English         |
|            |     |       | Gems TV 3                 | TV       | DVB | 2/3       | 27.500     |            | English         |
|            |     |       | Sunrise TV                | TV       | DVB | 2/3       | 27.500     |            |                 |
|            |     |       | The Entrepreneur Channel  | TV       | DVB | 2/3       | 27.500     |            | English         |
|            |     |       | Film 24                   | TV       | DVB | 2/3       | 27.500     |            | English         |
|            |     |       | Supreme Master TV         | TV       | DVB | 2/3       | 27.500     |            | English         |
|            |     |       | Channel AKA               | TV       | DVB | 2/3       | 27.500     |            | English         |
|            |     |       | Wonderful                 | TV       | DVB | 2/3       | 27.500     |            | English         |
|            |     |       | MATV National             | TV       | DVB | 2/3       | 27.500     |            |                 |
|            |     |       | Press TV                  | TV       | DVB | 2/3       | 27.500     |            | English         |
|            |     |       | Travel Channel +1         | TV       | DVB | 2/3       | 27.500     |            | English         |

## EUROBIRD™ 2 (25.5°EAST)

|          |   |       |                             |         |     |     |        |                       |                |
|----------|---|-------|-----------------------------|---------|-----|-----|--------|-----------------------|----------------|
| D 11.013 | H | Fixed | <u>Orbit Network</u>        | package | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 |                |
|          |   |       | TV Max promo                | TV      | DVB | 3/4 | 27.500 |                       |                |
|          |   |       | The MGM Channel Middle East | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English        |
|          |   |       | Bloomberg TV Europe         | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English        |
|          |   |       | Fashion TV Europe           | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 |                |
|          |   |       | TV Max 4                    | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Arabic,English |
|          |   |       | TV Max 3                    | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Arabic,English |
|          |   |       | TV Max 1                    | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Arabic,English |
|          |   |       | Arabic Series               | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Arabic         |
|          |   |       | Cinema City                 | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English        |
|          |   |       | Super Movies                | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English,Arabic |
|          |   |       | TV Max 2                    | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Arabic,English |
| D 11.054 | H | Fixed | <u>Orbit Network</u>        | package | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 |                |

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This document is provided for information purposes. No responsibility is taken for errors or omissions. Please note that most digital set top boxes (satellite receivers) are now fitted with a child protection function to prevent underage viewing of adult content. Features may vary according to manufacturer and model type but most boxes allow you to block unsuitable content. Contact your local dealer or installer to find out more.  
Eutelsat S.A. - 70 rue Balard 75502 PARIS CEDEX 15 - Tel: 0153984747 - Fax: 0153983700 <http://www.eutelsat.com>

| Freq<br>(GHz) | Pol | Beam  | Channel                               | Analogue  |                  | Text<br>MSy/s | Access                       | Lang.          |
|---------------|-----|-------|---------------------------------------|-----------|------------------|---------------|------------------------------|----------------|
|               |     |       |                                       | Digital   | Audio MHz<br>FEC |               |                              |                |
|               |     |       | Orbit News 2                          | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Marhaba TV                            | TV        | DVB              | 3/4           | 27.500                       | Arabic,English |
|               |     |       | Fox News Channel                      | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | C-SPAN Orbit                          | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Music Now                             | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | CNBC Orbit                            | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | America Plus                          | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Super Comedy                          | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Al Riyadiyah                          | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | Arabic         |
|               |     |       | Country of Blues                      | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Monawa't                              | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Hits                                  | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Tarabiya't                            | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Monte Carlo Doualiya                  | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | Arabic         |
|               |     |       | BBC World Service English             | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | BBC World Service Arabic              | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | Arabic         |
|               |     |       | Classical                             | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Super Gold                            | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Jazz                                  | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | R&B                                   | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Love Songs                            | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | DZBB 594 Super Radyo                  | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | Tagalog        |
|               |     |       | Pop                                   | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Motown                                | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Khalijya't                            | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Dance                                 | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Absolute Radio                        | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Rock                                  | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Lite FM                               | radio     | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Radio Mosaic                          | interacti | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
| D 11.075      | V   | Fixed | <u>Noorsat</u>                        | package   | DVB              | 3/4           | 27.500                       |                |
|               |     |       | Al Teb Al Nabawi                      | TV        | DVB              | 3/4           | 27.500                       | Arabic         |
|               |     |       | W TV                                  | TV        | DVB              | 3/4           | 27.500                       | Arabic         |
|               |     |       | Taleemiah promo                       | TV        | DVB              | 3/4           | 27.500                       | Arabic         |
|               |     |       | DM TV                                 | TV        | DVB              | 3/4           | 27.500                       | Arabic         |
|               |     |       | Bahrain TV                            | TV        | DVB              | 3/4           | 27.500                       | Arabic         |
|               |     |       | Daleel TV Channel                     | TV        | DVB              | 3/4           | 27.500                       | Arabic         |
|               |     |       | Al Habeeb TV                          | TV        | DVB              | 3/4           | 27.500                       |                |
|               |     |       | Starfone                              | TV        | DVB              | 3/4           | 27.500                       | Arabic         |
|               |     |       | Fox Sports Middle East                | TV        | DVB              | 3/4           | 27.500 BISS                  | English        |
|               |     |       | Watani                                | TV        | DVB              | 3/4           | 27.500                       | Arabic         |
|               |     |       | Alhayat Mosalsalat                    | TV        | DVB              | 3/4           | 27.500                       | Arabic         |
|               |     |       | Al Lafeta                             | TV        | DVB              | 3/4           | 27.500                       | Arabic         |
|               |     |       | Ahwaz FM                              | radio     | DVB              | 3/4           | 27.500                       | Arabic         |
| D 11.096      | H   | Fixed | <u>Orbit Network</u>                  | package   | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Discovery Science Channel Middle East | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Nickelodeon Arabia                    | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | Arabic         |
|               |     |       | MTV Arabia                            | TV        | DVB              | 3/4           | 27.500                       | English        |
|               |     |       | C Music TV                            | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Playhouse Disney Scandinavia          | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Fun Channel                           | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Discovery Channel Middle East +2      | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Voom HD                               | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Trace TV                              | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | French         |
|               |     |       | EuroNews                              | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | Arabic,English |
|               |     |       | Xtra Movies                           | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | Arabic         |
|               |     |       | Extreme Sports Channel                | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | MnL TV                                | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | Tagalog        |
| D 11.604      | H   | Fixed | <u>Orbit Network</u>                  | package   | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 |                |
|               |     |       | Cartoon Network Middle East           | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Orbit News 1                          | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | CNN International Europe              | TV        | DVB              | 3/4           | 27.500                       | English        |
|               |     |       | Fox Sports Middle East                | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Discovery Channel Middle East         | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Discovery Travel & Living Europe      | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | BBC Prime                             | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Boomerang Middle East                 | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Super Comedy +2                       | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |
|               |     |       | Toon Disney Scandinavia               | TV        | DVB              | 3/4           | 27.500 Irdeto 2/Mediaguard 2 | English        |

| Freq<br>(GHz)        | Pol     | Beam  | Channel                    | Analogue |       | Audio   | Text   | Access                | Lang.                  |
|----------------------|---------|-------|----------------------------|----------|-------|---------|--------|-----------------------|------------------------|
|                      |         |       |                            | Digital  | FEC   | MHz     |        |                       |                        |
| D 11.662             | V       | Fixed | Disney Channel Middle East | TV       | DVB   | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | English,Arabic,Swedish |
|                      |         |       | Animal Planet Middle East  | TV       | DVB   | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | English                |
|                      |         |       | Cinema City +1             | TV       | DVB   | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | Arabic                 |
|                      |         |       | America Plus +2            | TV       | DVB   | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | English                |
|                      |         |       | Tarabiya't                 | radio    | DVB   | 3/4     | 27.500 |                       |                        |
|                      |         |       | Monawa't                   | radio    | DVB   | 3/4     | 27.500 |                       |                        |
|                      |         |       | Khalijya't                 | radio    | DVB   | 3/4     | 27.500 |                       | English                |
|                      |         |       | DZBB 594 Super Radyo       | radio    | DVB   | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | Tagalog                |
|                      |         |       | <u>Noorsat</u>             | package  | DVB   | 3/4     | 27.500 |                       |                        |
|                      |         |       | Alkhei TV                  | TV       | DVB   | 3/4     | 27.500 |                       | Arabic                 |
|                      |         |       | Hadi TV                    | TV       | DVB   | 3/4     | 27.500 |                       | Arabic                 |
|                      |         |       | Wesal TV                   | TV       | DVB   | 3/4     | 27.500 |                       | Arabic                 |
|                      |         |       | Salwa                      | TV       | DVB   | 3/4     | 27.500 |                       | Arabic                 |
|                      |         |       | Bin Othaimen               | TV       | DVB   | 3/4     | 27.500 |                       | Arabic                 |
|                      |         |       | Nour TV                    | TV       | DVB   | 3/4     | 27.500 |                       | Farsi                  |
|                      |         |       | Supreme Master TV          | TV       | DVB   | 3/4     | 27.500 |                       | English                |
|                      |         |       | Karbala Satellite Channel  | TV       | DVB   | 3/4     | 27.500 |                       | Arabic                 |
|                      |         |       | Al Jadeed Sat              | TV       | DVB   | 3/4     | 27.500 |                       | Arabic                 |
|                      |         |       | Art Vision Mehnati         | TV       | DVB   | 3/4     | 27.500 |                       | Arabic                 |
|                      |         |       | D 11.681                   | H        | Fixed | NART TV | TV     | DVB                   | 3/4                    |
| Alsumaria            | TV      | DVB   |                            |          |       | 3/4     | 27.500 |                       | Arabic                 |
| Alnour Radio         | radio   | DVB   |                            |          |       | 3/4     | 27.500 |                       | Arabic                 |
| <u>Orbit Network</u> | package | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 |                        |
| Super Movies +1      | TV      | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | Arabic,English         |
| Cinema 2             | TV      | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | Arabic                 |
| GMA Life TV          | TV      | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | Tagalog                |
| Fann                 | TV      | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | Arabic                 |
| Al Safwa             | TV      | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | Arabic                 |
| NBA TV               | TV      | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | English                |
| Al Yawm              | TV      | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | Arabic                 |
| Pinoy Extreme        | TV      | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | Tagalog                |
| TCM Middle East      | TV      | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | English                |
| Arabic Series +4     | TV      | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | Arabic                 |
| Cinema 1             | TV      | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | Arabic                 |
| History Orbit        | TV      | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | English                |
| Hollywood Channel    | TV      | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | English                |
| GMA Pinoy TV Europe  | TV      | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | Tagalog                |
| DWLS FM              | radio   | DVB   |                            |          |       | 3/4     | 27.500 | Irdeto 2/Mediaguard 2 | Tagalog                |

### EUROBIRD 3 (33°EAST)

|          |   |        |                    |           |     |     |        |                      |         |
|----------|---|--------|--------------------|-----------|-----|-----|--------|----------------------|---------|
| D 11.472 | H | Spot D | Skylogic           | interacti | DVB | 5/6 | 27.500 |                      |         |
| D 11.513 | H | Spot D | SkyDSL             | interacti | DVB | 3/4 | 30.000 |                      |         |
| D 11.596 | V | Spot B | <u>Skylogic</u>    | package   | DVB | 5/6 | 27.500 | Irdeto 2             |         |
|          |   |        | Radio BNL          | radio     | DVB | 5/6 | 27.500 |                      |         |
|          |   |        | Radio Iperstanda   | radio     | DVB | 5/6 | 27.500 |                      | Italian |
|          |   |        | Radio GS           | radio     | DVB | 5/6 | 27.500 |                      | Italian |
|          |   |        | Radio Carrefour    | radio     | DVB | 5/6 | 27.500 |                      | Italian |
|          |   |        | Skylogic           | interacti | DVB | 5/6 | 27.500 | Irdeto 2             |         |
| D 11.596 | H | Spot D | Skylogic           | interacti | DVB | 5/6 | 27.500 |                      |         |
| D 11.637 | H | Spot D | SkyDSL             | interacti | DVB | 3/4 | 27.500 |                      |         |
| D 11.683 | H | Spot D | <u>DigiTurk</u>    | package   | DVB | 5/6 | 18.556 | Cryptoworks/Irdeto 2 |         |
|          |   |        | Cine 5             | TV        | DVB | 5/6 | 18.556 | Cryptoworks/Irdeto 2 | Turkish |
|          |   |        | Akilli TV          | TV        | DVB | 5/6 | 18.556 | Cryptoworks/Irdeto 2 | Turkish |
|          |   |        | Saudi Arabian TV 1 | TV        | DVB | 5/6 | 18.556 | Cryptoworks/Irdeto 2 | Arabic  |
|          |   |        | Kanal Biz          | TV        | DVB | 5/6 | 18.556 | Cryptoworks/Irdeto 2 | Turkish |
|          |   |        | Digiturk Info TV   | TV        | DVB | 5/6 | 18.556 | Cryptoworks/Irdeto 2 |         |
|          |   |        | Kanal A            | TV        | DVB | 5/6 | 18.556 | Cryptoworks/Irdeto 2 | Turkish |
|          |   |        | Cem TV             | TV        | DVB | 5/6 | 18.556 | Cryptoworks/Irdeto 2 | Turkish |
|          |   |        | Skylogic           | interacti | DVB | 5/6 | 27.500 |                      |         |

### EUROBIRD™ 9A (9°EAST)

|          |   |        |                           |         |     |     |        |             |                |
|----------|---|--------|---------------------------|---------|-----|-----|--------|-------------|----------------|
| D 11.727 | V | Europe | <u>Argiva</u>             | package | DVB | 3/4 | 27.500 | Cryptoworks |                |
|          |   |        | TNT Serie                 | TV      | DVB | 3/4 | 27.500 | Cryptoworks | German,English |
|          |   |        | Cartoon Network Nederland | TV      | DVB | 3/4 | 27.500 | Cryptoworks | English,Dutch  |
| D 11.747 | H | Europe | <u>Skylogic</u>           | package | DVB | 3/4 | 27.500 |             |                |
|          |   |        | La 9 Sat                  | TV      | DVB | 3/4 | 27.500 |             | Italian        |
|          |   |        | Link promo                | TV      | DVB | 3/4 | 27.500 |             | Italian        |
|          |   |        | BetVision                 | TV      | DVB | 3/4 | 27.500 | BISS        | German         |

| Freq<br>(GHz)            | Pol | Beam   | Channel                    | Analogue |                  | Audio MHz | Text<br>MSy/s | Access  | Lang.                          |
|--------------------------|-----|--------|----------------------------|----------|------------------|-----------|---------------|---|--------------------------------|
|                          |     |        |                            | Digital  | FEC              |           |               |   |                                |
| D 11.766                 | V   | Europe | ReteSette                  | TV       | DVB              | 3/4       | 27.500        |   | Italian                        |
|                          |     |        | Sisal TV                   | TV       | DVB              | 3/4       | 27.500        | Xcrypt  | Italian                        |
|                          |     |        | Ros & Ros Selex            | radio    | DVB              | 3/4       | 27.500        |   | Italian                        |
|                          |     |        | Radio Shepherd             | radio    | DVB              | 3/4       | 27.500        |   |                                |
|                          |     |        | Radio Genius               | radio    | DVB              | 3/4       | 27.500        |   | Italian                        |
|                          |     |        | Ros & Ros                  | radio    | DVB              | 3/4       | 27.500        |   | Italian                        |
|                          |     |        | Radio Number One           | radio    | DVB              | 3/4       | 27.500        |   | Italian                        |
|                          |     |        | <u>Noorsat</u>             | package  | DVB              | 3/4       | 27.500        |   |                                |
|                          |     |        | Al-Lubnania                | TV       | DVB              | 3/4       | 27.500        |   | Arabic                         |
|                          |     |        | Jamawar Kurdistan          | TV       | DVB              | 3/4       | 27.500        |   |                                |
|                          |     |        | Arrai                      | TV       | DVB              | 3/4       | 27.500        |   | Arabic                         |
|                          |     |        | Toyor Al-Janah             | TV       | DVB              | 3/4       | 27.500        |   | Arabic                         |
|                          |     |        | Makkah TV                  | TV       | DVB              | 3/4       | 27.500        |   | Arabic                         |
|                          |     |        | Al Rouh TV                 | TV       | DVB              | 3/4       | 27.500        |   | Arabic                         |
|                          |     |        | Al Maaref TV               | TV       | DVB              | 3/4       | 27.500        |   | Arabic                         |
|                          |     |        | Hayatona                   | TV       | DVB              | 3/4       | 27.500        |   | Arabic                         |
|                          |     |        | Karameesh                  | TV       | DVB              | 3/4       | 27.500        |   | Arabic                         |
|                          |     |        | Sada Al Islam              | TV       | DVB              | 3/4       | 27.500        |   | Arabic                         |
|                          |     |        | 4Shbab TV                  | TV       | DVB              | 3/4       | 27.500        |   | Arabic                         |
|                          |     |        | Sajaya TV                  | TV       | DVB              | 3/4       | 27.500        |   | Arabic                         |
| Misk TV                  | TV  | DVB    | 3/4                        | 27.500   |                  | Arabic    |               |   |                                |
| Tawasul TV               | TV  | DVB    | 3/4                        | 27.500   |                  | Arabic    |               |   |                                |
| Al Hekmah TV             | TV  | DVB    | 3/4                        | 27.500   |                  | Arabic    |               |   |                                |
| Hadi TV                  | TV  | DVB    | 3/4                        | 27.500   |                  | Arabic    |               |   |                                |
| Alquds Satellite Channel | TV  | DVB    | 3/4                        | 27.500   |                  | Arabic    |               |   |                                |
| D 11.785                 | H   | Europe | <u>KabelKiosk</u>          | package  | DVB-S2           | 2/3       | 27.500        | Conax/Videoguard                              |                                |
|                          |     |        | Das Vierte                 | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard                              | German                         |
|                          |     |        | Timm                       | TV       | DVB-S2           | 2/3       | 27.500        | Conax/Videoguard                              | German                         |
|                          |     |        | CNBC Europe                | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax   | English                        |
|                          |     |        | CNN International Europe   | TV       | DVB-S2           | 2/3       | 27.500        | Conax/Videoguard                              | English                        |
|                          |     |        | Yavido Clips               | TV       | DVB-S2           | 2/3       | 27.500        | Conax/Videoguard                              | German                         |
|                          |     |        | Imusic 1                   | TV       | DVB-S2           | 2/3       | 27.500        | Conax/Videoguard                              | German                         |
|                          |     |        | Viva                       | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard                              | German                         |
|                          |     |        | Comedy Central Deutschland | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard                              | German                         |
|                          |     |        | Nick Deutschland           | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard                              | German                         |
|                          |     |        | MTV Deutschland            | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard                              | German                         |
|                          |     |        | Channel 21 Shop            | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard                              | German                         |
|                          |     |        | HSE 24                     | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard                              | German                         |
|                          |     |        | Russia Today               | TV       | DVB-S2           | 2/3       | 27.500        | Conax/Videoguard                              | German                         |
| A 11.804                 | V   | Europe | Luxe TV HD                 | TV       | DVB              | 3/4       | 27.500        | French,English,German,Italian,Russian,Spanish |                                |
| D 11.804                 | V   | Europe | C Music TV                 | TV       | DVB              | 3/4       | 27.500        |   |                                |
| A 11.804                 | V   | Europe | Myzen                      | TV       | DVB              | 3/4       | 27.500        | Conax/Viaccess 2.6                            | English,French                 |
| D 11.804                 | V   | Europe | Luxe TV                    | TV       | DVB              | 3/4       | 27.500        |   | French,English,Italian,Russian |
| D 11.804                 | V   | Europe | Myzen                      | TV       | DVB              | 3/4       | 27.500        | Viaccess 2.6                                  | English,French                 |
| D 11.823                 | H   | Europe | <u>Skvlogic</u>            | package  | DVB              | 3/4       | 27.500        | Irdeto 2/Mediaguard 2/Viaccess 2.6            |                                |
|                          |     |        | TVBN                       | TV       | DVB              | 3/4       | 27.500        | Irdeto 2                                      | Chinese                        |
|                          |     |        | TVB Classic                | TV       | DVB              | 3/4       | 27.500        | Irdeto 2                                      | Chinese                        |
|                          |     |        | TVB Lifestyle              | TV       | DVB              | 3/4       | 27.500        | Irdeto 2                                      | Chinese                        |
|                          |     |        | TVB Entertainment News     | TV       | DVB              | 3/4       | 27.500        | Irdeto 2                                      | Chinese                        |
|                          |     |        | Sat 2000                   | TV       | DVB              | 3/4       | 27.500        | BISS  | Italian                        |
|                          |     |        | Trace Tropical             | TV       | DVB              | 3/4       | 27.500        |   | French                         |
|                          |     |        | CCTV 4 Europe              | TV       | DVB              | 3/4       | 27.500        |   | Chinese                        |
|                          |     |        | TVBS Europe                | TV       | DVB              | 3/4       | 27.500        | Irdeto 2                                      | Cantonese,Chinese              |
|                          |     |        | Radio Cuore 2 Sud          | radio    | DVB              | 3/4       | 27.500        |   | Italian                        |
|                          |     |        | Radio Nostalgia            | radio    | DVB              | 3/4       | 27.500        |   | Italian                        |
|                          |     |        | Radio CRC Targato Italia   | radio    | DVB              | 3/4       | 27.500        |   | Italian                        |
|                          |     |        | Radio Italia Network       | radio    | DVB              | 3/4       | 27.500        |   | Italian                        |
|                          |     |        | D 11.843                   | V        | Europe           | Bluemoon  | TV            | DVB   | 3/4                            |
| D 11.843                 | V   | Europe | MMC TV                     | TV       | DVB              | 3/4       | 27.500        |   |                                |
| D 11.843                 | V   | Europe | Komala TV                  | TV       | DVB              | 3/4       | 27.500        |   | Kurdish                        |
| D 11.843                 | V   | Europe | Nepali TV                  | TV       | DVB              | 3/4       | 27.500        |   |                                |
| D 11.843                 | V   | Europe | Roj TV                     | TV       | DVB              | 3/4       | 27.500        |   | Kurdish                        |
| D 11.843                 | V   | Europe | Dengê Mezopotamya          | radio    | DVB              | 3/4       | 27.500        |   | Kurdish                        |
| D 11.861                 | H   | Europe | <u>KabelKiosk</u>          | package  | DVB-S2           | 2/3       | 27.500        | Conax/Videoguard                              |                                |
|                          |     |        | Pro Sieben Deutschland     | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard                              | German,German                  |
|                          |     |        | 9 Live                     | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard                              | German                         |
|                          |     |        | N 24                       | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard                              | German                         |
|                          |     |        | Kabel Eins Deutschland     | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard                              | German                         |
|                          |     |        | Sat. 1 Deutschland         | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard                              | German,German                  |
| N-TV                     | TV  | DVB-S2 | 2/3                        | Y 27.500 | Conax/Videoguard | German    |               |   |                                |

| Freq<br>(GHz)          | Pol | Beam   | Channel                           | Analogue |                | Audio                       | Text     | Access                             | Lang.         |        |              |           |
|------------------------|-----|--------|-----------------------------------|----------|----------------|-----------------------------|----------|------------------------------------|---------------|--------|--------------|-----------|
|                        |     |        |                                   | Digital  | FEC            | MHz                         |          |                                    |               |        |              |           |
| A 11.881               | V   | Europe | Vox Deutschland                   | TV       | DVB-S2         | 2/3                         | Y 27.500 | Conax/Videoguard                   | German        |        |              |           |
|                        |     |        | Super RTL Deutschland             | TV       | DVB-S2         | 2/3                         | Y 27.500 | Conax/Videoguard                   | German        |        |              |           |
|                        |     |        | RTL Deutschland                   | TV       | DVB-S2         | 2/3                         | Y 27.500 | Conax/Videoguard                   | German,German |        |              |           |
|                        |     |        | RTL 2 Deutschland                 | TV       | DVB-S2         | 2/3                         | Y 27.500 | Conax/Videoguard                   | German        |        |              |           |
|                        |     |        | FTV HD                            | TV       | DVB-S2         | 2/3                         | 27.500   |                                    |               |        |              |           |
|                        |     |        | D 11.919                          | V        | Europe         | <u>RRSat Global Network</u> | package  | DVB                                | 3/4           | 27.500 |              |           |
|                        |     |        |                                   |          |                | The Israeli Network         | TV       | DVB                                | 3/4           | 27.500 | Viaccess 2.6 | Hebrew    |
|                        |     |        |                                   |          |                | Kairali Channel             | TV       | DVB                                | 3/4           | 27.500 |              | Malayalam |
|                        |     |        |                                   |          |                | Amrita TV Middle East       | TV       | DVB                                | 3/4           | 27.500 |              | Malayalam |
|                        |     |        |                                   |          |                | MTA 3 Al Arabiyah           | TV       | DVB                                | 3/4           | 27.500 |              | Arabic    |
| SVT World              | TV  | DVB    |                                   |          |                | 3/4                         | Y 27.500 | Viaccess 2.6                       | Swedish       |        |              |           |
| Rainbow                | TV  | DVB    |                                   |          |                | 3/4                         | 27.500   |                                    | Tamil         |        |              |           |
| FTV HD                 | TV  | DVB    |                                   |          |                | 3/4                         | 27.500   |                                    |               |        |              |           |
| Divine TV              | TV  | DVB    |                                   |          |                | 3/4                         | 27.500   |                                    | English       |        |              |           |
| NLM TV                 | TV  | DVB    |                                   |          |                | 3/4                         | 27.500   |                                    | Tamil         |        |              |           |
| D 11.938               | H   | Europe | Radio Eden                        | radio    | DVB            | 3/4                         | 27.500   |                                    |               |        |              |           |
|                        |     |        | Thuthi FM                         | radio    | DVB            | 3/4                         | 27.500   |                                    | Tamil         |        |              |           |
|                        |     |        | Tamil Radio                       | radio    | DVB            | 3/4                         | 27.500   |                                    | Tamil         |        |              |           |
|                        |     |        | SR P4                             | radio    | DVB            | 3/4                         | 27.500   |                                    | Swedish       |        |              |           |
|                        |     |        | Radio Sweden                      | radio    | DVB            | 3/4                         | 27.500   |                                    |               |        |              |           |
|                        |     |        | Radio Hay                         | radio    | DVB            | 3/4                         | 27.500   |                                    |               |        |              |           |
|                        |     |        | <u>GlobeCast</u>                  | package  | DVB            | 3/4                         | 27.500   | Irdeto 2/Viaccess 2.5/Viaccess 2.6 |               |        |              |           |
|                        |     |        | Redlight Hot                      | TV       | DVB            | 3/4                         | 27.500   | Irdeto 2/Viaccess 2.6              | Italian       |        |              |           |
|                        |     |        | Fantasy promo                     | TV       | DVB            | 3/4                         | 27.500   |                                    |               |        |              |           |
|                        |     |        | PTV                               | TV       | DVB            | 3/4                         | 27.500   |                                    | Arabic        |        |              |           |
| D 11.977               | H   | Europe | Lanka TV Neth                     | TV       | DVB            | 3/4                         | 27.500   |                                    | Sinhalese     |        |              |           |
|                        |     |        | TV Lanka Channel 2                | TV       | DVB            | 3/4                         | 27.500   |                                    | Sinhalese     |        |              |           |
|                        |     |        | Living God                        | TV       | DVB            | 3/4                         | 27.500   |                                    | Tamil         |        |              |           |
|                        |     |        | Walf TV                           | TV       | DVB            | 3/4                         | 27.500   | Viaccess 2.5                       | French        |        |              |           |
|                        |     |        | Redlight Spicy                    | TV       | DVB            | 3/4                         | 27.500   | Irdeto 2/Viaccess 2.6              | Italian       |        |              |           |
|                        |     |        | RedLight Premium Channel<br>promo | TV       | DVB            | 3/4                         | 27.500   | Irdeto 2/Viaccess 2.6              | Italian       |        |              |           |
|                        |     |        | Redlight Xperience                | TV       | DVB            | 3/4                         | 27.500   | Irdeto 2/Viaccess 2.6              | Italian       |        |              |           |
|                        |     |        | Tam Tam TV                        | TV       | DVB            | 3/4                         | 27.500   |                                    | French        |        |              |           |
|                        |     |        | Radio Walf 1                      | radio    | DVB            | 3/4                         | 27.500   | Viaccess 2.5                       | French        |        |              |           |
|                        |     |        | Radio Walf 2                      | radio    | DVB            | 3/4                         | 27.500   | Viaccess 2.5                       | French        |        |              |           |
| D 11.996               | V   | Europe | <u>Media Broadcast</u>            | package  | DVB            | 3/4                         | 27.500   | PowerVu                            |               |        |              |           |
|                        |     |        | Akubis Classic                    | TV       | DVB            | 3/4                         | 27.500   | Conax                              | German        |        |              |           |
|                        |     |        | Akubis Direkt                     | TV       | DVB            | 3/4                         | 27.500   | Conax                              | German        |        |              |           |
|                        |     |        | <u>GlobeCast</u>                  | package  | DVB            | 3/4                         | 27.500   |                                    |               |        |              |           |
|                        |     |        | B4U Movies UAE                    | TV       | DVB            | 3/4                         | 27.500   |                                    | Hindi         |        |              |           |
|                        |     |        | Sun Music                         | TV       | DVB            | 3/4                         | 27.500   |                                    | Tamil         |        |              |           |
|                        |     |        | Adithya TV                        | TV       | DVB            | 3/4                         | 27.500   |                                    | Tamil         |        |              |           |
|                        |     |        | BBC Prime                         | TV       | DVB            | 3/4                         | 27.500   | Viaccess 3.0                       | English       |        |              |           |
|                        |     |        | MTV Portugal                      | TV       | DVB            | 3/4                         | 27.500   | Cryptoworks                        | Portuguese    |        |              |           |
|                        |     |        | KTV                               | TV       | DVB            | 3/4                         | 27.500   |                                    | Tamil         |        |              |           |
| D 12.015               | H   | Europe | Sun TV                            | TV       | DVB            | 3/4                         | 27.500   |                                    | Tamil         |        |              |           |
|                        |     |        | <u>KabelKiosk</u>                 | package  | DVB-S2         | 2/3                         | 27.500   | Conax/Videoguard                   |               |        |              |           |
|                        |     |        | DSF                               | TV       | DVB-S2         | 2/3                         | Y 27.500 | Conax/Videoguard                   | German        |        |              |           |
|                        |     |        | Bibel TV                          | TV       | DVB-S2         | 2/3                         | 27.500   | Conax/Videoguard                   | German        |        |              |           |
|                        |     |        | UProm TV                          | TV       | DVB-S2         | 2/3                         | 27.500   | Conax/Videoguard                   | German        |        |              |           |
|                        |     |        | Volksmusik TV                     | TV       | DVB-S2         | 2/3                         | 27.500   | Conax/Videoguard                   | German        |        |              |           |
|                        |     |        | TV Gusto                          | TV       | DVB-S2         | 2/3                         | 27.500   | Conax/Videoguard                   | German        |        |              |           |
|                        |     |        | Deluxe Music                      | TV       | DVB-S2         | 2/3                         | 27.500   | Conax/Videoguard                   | German        |        |              |           |
|                        |     |        | Luxe TV                           | TV       | DVB-S2         | 2/3                         | 27.500   | Conax/Videoguard                   | German        |        |              |           |
|                        |     |        | BBC World News                    | TV       | DVB-S2         | 2/3                         | Y 27.500 | Conax/Videoguard                   | English       |        |              |           |
| D 12.034               | V   | Europe | Tier TV                           | TV       | DVB-S2         | 2/3                         | 27.500   |                                    | German        |        |              |           |
|                        |     |        | QVC Deutschland                   | TV       | DVB-S2         | 2/3                         | Y 27.500 | Conax/Videoguard                   | German        |        |              |           |
|                        |     |        | Tele 5                            | TV       | DVB-S2         | 2/3                         | Y 27.500 | Conax/Videoguard                   | German        |        |              |           |
|                        |     |        | TV 5 Monde Europe                 | TV       | DVB-S2         | 2/3                         | Y 27.500 | Conax/Videoguard                   | French        |        |              |           |
|                        |     |        | Bloomberg TV Europe               | TV       | DVB-S2         | 2/3                         | 27.500   | Conax/Videoguard                   | English       |        |              |           |
|                        |     |        | Deutsches Anleger Fernsehen       | TV       | DVB-S2         | 2/3                         | 27.500   | Conax/Videoguard                   | German        |        |              |           |
|                        |     |        | XXHome                            | TV       | DVB-S2         | 2/3                         | 27.500   | Conax/Videoguard                   | German        |        |              |           |
|                        |     |        | <u>Hello HD</u>                   | package  | DVB-S2         | 3/4                         | 27.500   | Conax/Irdeto 2                     |               |        |              |           |
|                        |     |        | Discovery Channel Hungary         | TV       | DVB-S2         | 3/4                         | 27.500   | Conax                              | Czech         |        |              |           |
|                        |     |        | Musicmax                          | TV       | DVB-S2         | 3/4                         | 27.500   | Conax/Irdeto 2                     | Hungarian     |        |              |           |
| Musicmax Adult         | TV  | DVB-S2 | 3/4                               | 27.500   | Conax/Irdeto 2 | Hungarian                   |          |                                    |               |        |              |           |
| MTV Hungary            | TV  | DVB-S2 | 3/4                               | 27.500   | Conax          | Hungarian                   |          |                                    |               |        |              |           |
| Animal Planet Europe   | TV  | DVB-S2 | 3/4                               | 27.500   | Conax          | Hungarian                   |          |                                    |               |        |              |           |
| Viva TV                | TV  | DVB-S2 | 3/4                               | 27.500   | Conax          | Hungarian                   |          |                                    |               |        |              |           |
| Comedy Central Hungary | TV  | DVB-S2 | 3/4                               | 27.500   | Conax          | Hungarian                   |          |                                    |               |        |              |           |

| Freq (GHz)                  | Pol   | Beam   | Channel                                       | Analogue Audio MHz |        | Text MSy/s      | Access                             | Lang.             |     |  |  |
|-----------------------------|-------|--------|---|--------------------|--------|-----------------|------------------------------------|-------------------|-----|--|--|
|                             |       |        |   | Digital            | FEC    |                 |                                    |                   |     |  |  |
| D 12.054                    | H     | Europe | National Geographic Channel Hungary & Czechia | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | Travel Channel                                | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       |                   |     |  |  |
|                             |       |        | Hír TV  | TV                 | DVB-S2 | 3/4             | Y 27.500 Conax/Irdeto 2            | Hungarian         |     |  |  |
|                             |       |        | FilmBox Extra Hungary                         | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | Nat Geo Wild Hungary                          | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | TCM Central Europe                            | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | HBO Hungary                                   | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | Eurosport 2 Hungary & Romania                 | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | Cartoon Network Central Europe                | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | HBO 2 Central Europe                          | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | HBO Comedy Central Europe                     | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | Minimax Hungary                               | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | Animax Hungary                                | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | Viasat 3                                      | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | Spektrum TV                                   | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | M1  | TV                 | DVB-S2 | 3/4             | Y 27.500 Conax                     | Hungarian         |     |  |  |
|                             |       |        | Discovery HD Europe                           | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | English           |     |  |  |
|                             |       |        | Jazzradio                                     | radio              | DVB-S2 | 3/4             | 27.500                             | Hungarian         |     |  |  |
|                             |       |        | <u>TSA</u>                                    | package            | DVB    | 3/4             | 27.500 KeyFly/Viaccess 2.6         |                   |     |  |  |
|                             |       |        | Disney Cinemagic España +1                    | TV                 | DVB    | 3/4             | 27.500 Viaccess 2.6                | Spanish           |     |  |  |
|                             |       |        | Libertad Digital TV                           | TV                 | DVB    | 3/4             | 27.500                             | Spanish           |     |  |  |
|                             |       |        | Canal Parlamento                              | TV                 | DVB    | 3/4             | 27.500                             | Spanish           |     |  |  |
|                             |       |        | Popular TV Satélite                           | TV                 | DVB    | 3/4             | 27.500                             | Spanish           |     |  |  |
|                             |       |        | Iberalia TV                                   | TV                 | DVB    | 3/4             | 27.500 KeyFly                      | Spanish           |     |  |  |
|                             |       |        | Hello TV                                      | TV                 | DVB    | 3/4             | 27.500                             | Spanish           |     |  |  |
|                             |       |        | Disney Cinemagic España                       | TV                 | DVB    | 3/4             | 27.500 Viaccess 2.6                | Spanish           |     |  |  |
|                             |       |        | Tu Tele Local                                 | TV                 | DVB    | 3/4             | 27.500                             | Spanish           |     |  |  |
|                             |       |        | Éxito Radio                                   | radio              | DVB    | 3/4             | 27.500                             | Spanish           |     |  |  |
| D 12.074                    | V     | Europe | <u>Hello HD</u>                               | package            | DVB-S2 | 3/4             | 27.500 Conax/Cryptoworks/Irdeto 2  |                   |     |  |  |
|                             |       |        | The History Channel HD Europe                 | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | Hallmark Channel Hungary                      | TV                 | DVB-S2 | 3/4             | 27.500 Conax/Irdeto 2              |                   |     |  |  |
|                             |       |        | Sport Klub Hungary                            | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | TV 6 Hungary                                  | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | Film + Hungary                                | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | Sport 1 Hungary                               | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | Cool TV                                       | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | Sport 2 Hungary                               | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | 4! Story TV                                   | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | Cinemax Central Europe                        | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | RTL Klub                                      | TV                 | DVB-S2 | 3/4             | Y 27.500 Conax                     | Hungarian         |     |  |  |
|                             |       |        | TV 2  | TV                 | DVB-S2 | 3/4             | Y 27.500 Conax                     | Hungarian         |     |  |  |
|                             |       |        | Bebe TV                                       | TV                 | DVB-S2 | 3/4             | 27.500 Conax/Cryptoworks           | English           |     |  |  |
|                             |       |        | National Geographic Channel HD UK             | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | English           |     |  |  |
|                             |       |        | FilmBox HD Hungary                            | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | English,Hungarian |     |  |  |
|                             |       |        | ATV   | TV                 | DVB-S2 | 3/4             | Y 27.500 Conax                     | Hungarian         |     |  |  |
|                             |       |        | AXN Central Europe                            | TV                 | DVB-S2 | 3/4             | 27.500 Conax                       | Hungarian         |     |  |  |
|                             |       |        | D 12.092                                      | H                  | Europe | <u>TSA</u>      | package                            | DVB               | 3/4 | 27.500 Conax/Irdeto 2/Viaccess 2.3/Viaccess 2.5/Viaccess 2.6 |  |
|                             |       |        |   |                    |        | Destino Galicia | TV                                 | DVB               | 3/4 | 27.500   |  |
| Record Internacional Europa | TV    | DVB    |   |                    |        | 3/4             | 27.500                             | Portuguese        |     |  |  |
| Red AD Venir Internacional  | TV    | DVB    |   |                    |        | 3/4             | 27.500                             | Spanish           |     |  |  |
| Sex Hot                     | TV    | DVB    |   |                    |        | 3/4             | 27.500 Conax/Irdeto 2/Viaccess 2.6 |                   |     |  |  |
| Sex SCT                     | TV    | DVB    |   |                    |        | 3/4             | 27.500 Conax/Irdeto 2/Viaccess 2.6 |                   |     |  |  |
| Sex Super                   | TV    | DVB    |   |                    |        | 3/4             | 27.500 Conax/Irdeto 2/Viaccess 2.6 |                   |     |  |  |
| Sex Don't Panic             | TV    | DVB    |   |                    |        | 3/4             | 27.500 Conax/Irdeto 2/Viaccess 2.6 |                   |     |  |  |
| Record News                 | TV    | DVB    |   |                    |        | 3/4             | 27.500                             | Portuguese        |     |  |  |
| Sex Black                   | TV    | DVB    |   |                    |        | 3/4             | 27.500 Conax/Irdeto 2/Viaccess 2.6 |                   |     |  |  |
| Música joven                | radio | DVB    |   |                    |        | 3/4             | 27.500                             |                   |     |  |  |
| Música romantica            | radio | DVB    |   |                    |        | 3/4             | 27.500                             |                   |     |  |  |
| Música clásica              | radio | DVB    |   |                    |        | 3/4             | 27.500                             |                   |     |  |  |
| Grandes éxitos              | radio | DVB    |   |                    |        | 3/4             | 27.500                             |                   |     |  |  |
| Música ambiental            | radio | DVB    |   |                    |        | 3/4             | 27.500                             |                   |     |  |  |
| Canal latino                | radio | DVB    |   |                    |        | 3/4             | 27.500                             |                   |     |  |  |
| D 12.130                    | H     | Europe | <u>KabelKiosk</u>                             | package            | DVB    | 3/4             | 27.500 Conax/Videoguard            |                   |     |  |  |
|                             |       |        | Lig TV  | TV                 | DVB    | 3/4             | 27.500 Conax/Videoguard            | Turkish           |     |  |  |
|                             |       |        | France 24 English                             | TV                 | DVB    | 3/4             | 27.500                             | English           |     |  |  |
|                             |       |        | Pink Plus                                     | TV                 | DVB    | 3/4             | 27.500 Conax/Videoguard            | Serbian           |     |  |  |
|                             |       |        | Kinowelt TV                                   | TV                 | DVB    | 3/4             | 27.500 Conax/Videoguard            | German            |     |  |  |
|                             |       |        | Animax Deutschland                            | TV                 | DVB    | 3/4             | 27.500 Conax/Videoguard            | German            |     |  |  |

| Freq<br>(GHz)              | Pol | Beam   | Channel                           | Analogue |                  | Audio MHz | Text<br>MSy/s | Access           | Lang.   |
|----------------------------|-----|--------|-----------------------------------|----------|------------------|-----------|---------------|------------------|---|
|                            |     |        |                                   | Digital  | FEC              |           |               |                  |   |
| D 12.207                   | H   | Europe | Body in Balance Germany           | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | German  |
|                            |     |        | EuroStar                          | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Turkish   |
|                            |     |        | EuroNews                          | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | English,French,Portuguese,Russian,Spanish,Italian |
|                            |     |        | Perviy kanal Europa               | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Russian   |
|                            |     |        | RTR Planeta                       | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Russian   |
|                            |     |        | Platforma DV                      | package  | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        |   |
|                            |     |        | STS                               | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | Tonus TV                          | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | Auto Plus                         | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | Kuhnya TV                         | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | 365 dnei TV                       | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | Muz TV                            | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | REN TV                            | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | Kanal Teleputeshestviya           | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | Kinopokaz                         | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | Vesti                             | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | 5 Kanal                           | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | Bibigon                           | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | Kultura Telekom                   | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | Telekanal Sport                   | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | NTV                               | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | Telekanal Rossiya                 | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
|                            |     |        | Zoo TV                            | TV       | DVB-S2           | 2/3       | 27.500        | DRE-Crypt        | Russian   |
| TNT                        | TV  | DVB-S2 | 2/3                               | 27.500   | DRE-Crypt        | Russian   |               |                  |   |
| Komedia TV                 | TV  | DVB-S2 | 2/3                               | 27.500   | DRE-Crypt        | Russian   |               |                  |   |
| D 12.284                   | H   | Europe | KabelKiosk                        | package  | DVB-S2           | 2/3       | 27.500        | Conax/Videoguard |   |
|                            |     |        | Juwelo TV                         | TV       | DVB-S2           | 2/3       | 27.500        | Conax/Videoguard | German  |
|                            |     |        | Der Schmuckkanal                  | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard | German  |
|                            |     |        | Sonnenklar TV                     | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard | German  |
|                            |     |        | Astro TV                          | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard | German  |
|                            |     |        | Eurosport Deutschland             | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard | German  |
|                            |     |        | TVE Internacional Europe          | TV       | DVB-S2           | 2/3       | Y 27.500      | Conax/Videoguard | Spanish   |
|                            |     |        | The Poker Channel                 | TV       | DVB-S2           | 2/3       | 27.500        | Conax/Videoguard | English   |
| A 12.303                   | V   | Europe | Platforma HD                      | package  | DVB-S2           | 2/3       | 26.400        | DRE-Crypt        |   |
|                            |     |        | Kinopokaz HD 2                    | TV       | DVB-S2           | 2/3       | 26.400        | DRE-Crypt        | Russian,Russian                                   |
|                            |     |        | Zhenskiy Mir HD                   | TV       | DVB-S2           | 2/3       | 26.400        | DRE-Crypt        | Russian   |
|                            |     |        | Kanal Teleputeshestviya HD        | TV       | DVB-S2           | 2/3       | 26.400        | DRE-Crypt        | Russian   |
| D 12.322                   | H   | Europe | HD Life                           | TV       | DVB-S2           | 2/3       | 26.400        | DRE-Crypt        | Russian   |
|                            |     |        | KabelKiosk                        | package  | DVB              | 3/4       | 27.500        | Conax/Videoguard |   |
|                            |     |        | TürkMax                           | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Turkish   |
|                            |     |        | Rai Tre                           | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Italian   |
|                            |     |        | Show Turk                         | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Turkish   |
|                            |     |        | Fox Türk                          | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Turkish   |
|                            |     |        | Kanal 7 International             | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Turkish   |
|                            |     |        | Euro D                            | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Turkish   |
|                            |     |        | ATV Avrupa                        | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Turkish   |
|                            |     |        | Rai Due                           | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Italian   |
|                            |     |        | TVP Polonia                       | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Polish  |
|                            |     |        | TRT Türk                          | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Turkish   |
|                            |     |        | Rai Uno                           | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Italian   |
|                            |     |        | KabelKiosk                        | package  | DVB              | 3/4       | 27.500        | Conax/Videoguard |   |
|                            |     |        | Premiere Fussball Bundesliga Home | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | German  |
|                            |     |        | ITVN Europe                       | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | Polish  |
|                            |     |        | Travel Channel Deutschland        | TV       | DVB              | 3/4       | 27.500        | Conax/Videoguard | German  |
| Rush HD Europe             | TV  | DVB    | 3/4                               | 27.500   | Conax/Videoguard | English   |               |                  |   |
| ESPN Classic Europe        | TV  | DVB    | 3/4                               | 27.500   | Conax/Videoguard | English   |               |                  |   |
| Yacht & Sail International | TV  | DVB    | 3/4                               | 27.500   | Conax/Videoguard |           |               |                  |   |
| Hustler TV Deutschland     | TV  | DVB    | 3/4                               | 27.500   | Conax            | German    |               |                  |   |
| Blue Hustler Europe        | TV  | DVB    | 3/4                               | 27.500   | Conax/Videoguard | English   |               |                  |   |
| Adult Channel              | TV  | DVB    | 3/4                               | 27.500   | Conax/Videoguard | English   |               |                  |   |
| KabelKiosk infokanal       | TV  | DVB    | 3/4                               | 27.500   |                  | German    |               |                  |   |
| A 12.380                   | V   | Europe | Platforma HD                      | package  | DVB-S2           | 2/3       | 26.400        | DRE-Crypt        |   |
|                            |     |        | HD Life                           | TV       | DVB-S2           | 2/3       | 26.400        | DRE-Crypt        | Russian   |
|                            |     |        | MTVN HD                           | TV       | DVB-S2           | 2/3       | 26.400        | DRE-Crypt        | English,English                                   |
|                            |     |        | National Geographic Channel HD    | TV       | DVB-S2           | 2/3       | 26.400        | DRE-Crypt        | Russian,Russian                                   |
|                            |     |        | Russia & Turkey                   |          |                  |           |               |                  |   |
|                            |     |        | Kinopokaz HD 1                    | TV       | DVB-S2           | 2/3       | 26.400        | DRE-Crypt        | Russian,Russian                                   |
|                            |     |        | Eurosport                         | TV       | DVB-S2           | 2/3       | 26.400        | DRE-Crypt        | Russian   |
|                            |     |        | Platforma HD promo                | TV       | DVB-S2           | 2/3       | 26.400        |                  | Russian   |

| Freq (GHz)                | Pol   | Beam   | Channel                                 | Analogue |        | Audio MHz         | Text MSy/s | Access           | Lang.                        |
|---------------------------|-------|--------|---|----------|--------|-------------------|------------|------------------|------------------------------|
|                           |       |        |   | Digital  | FEC    |                   |            |                  |                              |
| D 12.399                  | H     | Europe | <u>KabelKiosk</u>                       | package  | DVB    | 3/4               | 27.500     | Conax/Videoguard |                              |
|                           |       |        | National Geographic Channel Deutschland | TV       | DVB    | 3/4               | 27.500     | Conax/Videoguard | German,English               |
|                           |       |        | Boomerang Deutschland                   | TV       | DVB    | 3/4               | 27.500     | Conax/Videoguard | German,English               |
|                           |       |        | The Biography Channel Deutschland       | TV       | DVB    | 3/4               | 27.500     | Conax/Videoguard | German                       |
|                           |       |        | Cartoon Network Deutschland             | TV       | DVB    | 3/4               | 27.500     | Conax/Videoguard | German,English               |
|                           |       |        | TCM Deutschland                         | TV       | DVB    | 3/4               | 27.500     | Conax/Videoguard | German,English               |
|                           |       |        | History Deutschland                     | TV       | DVB    | 3/4               | 27.500     | Conax/Videoguard | German                       |
|                           |       |        | AXN Deutschland                         | TV       | DVB    | 3/4               | 27.500     | Conax/Videoguard | German,English               |
|                           |       |        | Motors TV                               | TV       | DVB    | 3/4               | 27.500     | Conax/Videoguard |                              |
|                           |       |        | Sci Fi Deutschland                      | TV       | DVB    | 3/4               | 27.500     | Conax/Videoguard | German                       |
|                           |       |        | Silverline Movie Channel                | TV       | DVB    | 3/4               | 27.500     | Conax/Videoguard | German                       |
|                           |       |        | 13th Street                             | TV       | DVB    | 3/4               | 27.500     | Conax/Videoguard | German                       |
|                           |       |        | ESPN America Europe                     | TV       | DVB    | 3/4               | 27.500     | Conax/Videoguard | English                      |
|                           |       |        | D 12.437                                | H        | Europe | <u>KabelKiosk</u> | package    | DVB              | 3/4                          |
| BBC Prime                 | TV    | DVB    |   |          |        | 3/4               | 27.500     | Conax/Videoguard | English                      |
| E! Deutschland            | TV    | DVB    |   |          |        | 3/4               | 27.500     | Conax/Videoguard | German,German,Polish,Turkish |
| Sportdigital TV           | TV    | DVB    |   |          |        | 3/4               | 27.500     | Conax/Videoguard | German                       |
| Gute Laune TV             | TV    | DVB    |   |          |        | 3/4               | 27.500     | Conax/Videoguard | German                       |
| Nick Jr Deutschland       | TV    | DVB    |   |          |        | 3/4               | 27.500     | Conax/Videoguard | German                       |
| VH1 Classic Europe        | TV    | DVB    |   |          |        | 3/4               | 27.500     | Conax/Videoguard | English                      |
| Volksmusik TV             | TV    | DVB    |   |          |        | 3/4               | 27.500     | Conax/Videoguard | German                       |
| Romance TV                | TV    | DVB    |   |          |        | 3/4               | 27.500     | Conax/Videoguard | German                       |
| Your Family Entertainment | TV    | DVB    |   |          |        | 3/4               | 27.500     | Conax/Videoguard | German                       |
| Blu FM                    | radio | DVB    |   |          |        | 3/4               | 27.500     |                  |                              |

### EUROBIRD™ 16A (16°EAST)

|          |   |        |                                     |         |        |     |        |       |          |
|----------|---|--------|-------------------------------------|---------|--------|-----|--------|-------|----------|
| D 10.719 | V | Europe | <u>DigitAlb</u>                     | package | DVB    | 3/4 | 27.500 | Conax |          |
|          |   |        | Nat Geo Wild Romania                | TV      | DVB    | 3/4 | 27.500 | Conax | English  |
|          |   |        | Travel Channel                      | TV      | DVB    | 3/4 | 27.500 | Conax | English  |
|          |   |        | The MGM Channel East Europe         | TV      | DVB    | 3/4 | 27.500 | Conax | English  |
|          |   |        | Fox Life South East Europe          | TV      | DVB    | 3/4 | 27.500 | Conax | English  |
|          |   |        | Fox Crime South East Europe         | TV      | DVB    | 3/4 | 27.500 | Conax | English  |
|          |   |        | XXX                                 | TV      | DVB    | 3/4 | 27.500 | Conax | Albanian |
|          |   |        | National Geographic Channel România | TV      | DVB    | 3/4 | 27.500 | Conax | English  |
|          |   |        | SuperSport HD 2                     | TV      | DVB-S2 | 3/4 | 27.500 | Conax | Albanian |
|          |   |        | 4-X                                 | TV      | DVB    | 3/4 | 27.500 | Conax | Albanian |
|          |   |        | Cartoon Network Central Europe      | TV      | DVB    | 3/4 | 27.500 | Conax | English  |
|          |   |        | BBF                                 | TV      | DVB    | 3/4 | 27.500 | Conax | Albanian |
|          |   |        | Supersonic TV                       | TV      | DVB    | 3/4 | 27.500 | Conax | Albanian |
|          |   |        | Tirana TV                           | TV      | DVB    | 3/4 | 27.500 | Conax | Albanian |
|          |   |        | SuperSport HD 1                     | TV      | DVB-S2 | 3/4 | 27.500 | Conax | Albanian |
|          |   |        | TCM Central Europe                  | TV      | DVB    | 3/4 | 27.500 | Conax | English  |

### W2 (16°EAST)

|               |    |        |                              |         |      |                                   |         |                              |                            |        |       |          |
|---------------|----|--------|------------------------------|---------|------|-----------------------------------|---------|------------------------------|----------------------------|--------|-------|----------|
| D 10.972      | V  | Wide   | <u>Total TV</u>              | package | DVB  | 3/4                               | 27.500  | Cryptoworks/Videoguard       |                            |        |       |          |
|               |    |        | Cinemax Central Europe       | TV      | DVB  | 3/4                               | 27.500  | Videoguard                   | Serbian,Croatian,Slovenian |        |       |          |
|               |    |        | TV Most                      | TV      | DVB  | 3/4                               | 27.500  | Videoguard                   | Serbian                    |        |       |          |
|               |    |        | TV S                         | TV      | DVB  | 3/4                               | 27.500  | Videoguard                   | Serbian                    |        |       |          |
|               |    |        | Hallmark Channel East Europe | TV      | DVB  | 3/4                               | 27.500  | Videoguard                   | English                    |        |       |          |
|               |    |        | Motors TV                    | TV      | DVB  | 3/4                               | 27.500  | Videoguard                   | English,Serbian            |        |       |          |
|               |    |        | Kanal D                      | TV      | DVB  | 3/4                               | 27.500  | Videoguard                   | Serbian                    |        |       |          |
|               |    |        | TV 1000 Balkan               | TV      | DVB  | 3/4                               | 27.500  | Cryptoworks/Videoguard       | English                    |        |       |          |
|               |    |        | Free-X TV                    | TV      | DVB  | 3/4                               | 27.500  | Cryptoworks/Videoguard       | French                     |        |       |          |
|               |    |        | Viasat History               | TV      | DVB  | 3/4                               | 27.500  | Videoguard                   | English                    |        |       |          |
|               |    |        | Free-X TV 2                  | TV      | DVB  | 3/4                               | 27.500  | Cryptoworks/Videoguard       |                            |        |       |          |
|               |    |        | X-Dream TV                   | TV      | DVB  | 3/4                               | 27.500  | Cryptoworks/Videoguard       |                            |        |       |          |
|               |    |        | Viasat Explorer              | TV      | DVB  | 3/4                               | 27.500  | Cryptoworks/Videoguard       | English                    |        |       |          |
|               |    |        | MTV Adria                    | TV      | DVB  | 3/4                               | 27.500  | Videoguard                   |                            |        |       |          |
|               |    |        | A 10.975                     | H       | Wide | <u>DigitAlb</u>                   | package | DVB-S2                       | 4/5                        | 22.500 | Conax |          |
|               |    |        |                              |         |      | DigitAlb HD 3                     | TV      | DVB-S2                       | 4/5                        | 22.500 | Conax | Albanian |
|               |    |        |                              |         |      | National Geographic Channel HD UK | TV      | DVB-S2                       | 4/5                        | 22.500 | Conax | English  |
| DigitAlb HD 2 | TV | DVB-S2 |                              |         |      | 4/5                               | 22.500  | Conax                        | Albanian                   |        |       |          |
| D 11.014      | V  | Wide   | <u>ITV Partner</u>           | package | DVB  | 3/4                               | 27.500  | Conax/Cryptoworks/Videoguard |                            |        |       |          |
|               |    |        | TV 7                         | TV      | DVB  | 3/4                               | 27.500  | Cryptoworks                  | Bulgarian                  |        |       |          |

| Freq (GHz)                     | Pol   | Beam | Channel                            | Analogue |            | Audio MHz       | Text     | Access                 | Lang.             |                           |
|--------------------------------|-------|------|------------------------------------|----------|------------|-----------------|----------|------------------------|-------------------|---------------------------|
|                                |       |      |                                    | Digital  | FEC        | MSy/s           |          |                        |                   |                           |
| D 11.055                       | V     | Wide | Ring TV                            | TV       | DVB        | 3/4             | 27.500   | Cryptoworks            |                   | Bulgarian                 |
|                                |       |      | Viasat History                     | TV       | DVB        | 3/4             | 27.500   | Cryptoworks            |                   | English                   |
|                                |       |      | Fiesta TV                          | TV       | DVB        | 3/4             | 27.500   | Cryptoworks            |                   | Bulgarian                 |
|                                |       |      | Eurosport                          | TV       | DVB        | 3/4             | 27.500   | Cryptoworks/Videoguard |                   | Serbian,Bulgarian,English |
|                                |       |      | Cinemax Central Europe             | TV       | DVB        | 3/4             | 27.500   | Cryptoworks            |                   | Bulgarian                 |
|                                |       |      | HBO Bulgaria                       | TV       | DVB        | 3/4             | 27.500   | Cryptoworks/Videoguard |                   | Bulgarian                 |
|                                |       |      | TV 2                               | TV       | DVB        | 3/4             | 27.500   | Cryptoworks            |                   | Bulgarian                 |
|                                |       |      | Diema                              | TV       | DVB        | 3/4             | 27.500   | Cryptoworks            |                   | Bulgarian                 |
|                                |       |      | BNT Sat                            | TV       | DVB        | 3/4             | 27.500   |                        |                   | Bulgarian                 |
|                                |       |      | Hallmark Channel Bulgaria          | TV       | DVB        | 3/4             | 27.500   | Cryptoworks            |                   | Bulgarian                 |
|                                |       |      | Diema 2                            | TV       | DVB        | 3/4             | 27.500   | Cryptoworks            |                   | Bulgarian                 |
|                                |       |      | National Geographic Channel Europe | TV       | DVB        | 3/4             | 27.500   | Cryptoworks/Videoguard |                   | English,Bulgarian         |
|                                |       |      | Fishing & Hunting TV               | TV       | DVB        | 3/4             | 27.500   | Cryptoworks            |                   | Hungarian                 |
|                                |       |      | Evrofutbol                         | TV       | DVB        | 3/4             | 27.500   |                        |                   | Bulgarian                 |
|                                |       |      | Hustler TV Europe                  | TV       | DVB        | 3/4             | 27.500   | Conax/Cryptoworks      |                   | English                   |
|                                |       |      | VTV                                | TV       | DVB        | 3/4             | 27.500   |                        |                   | Bulgarian                 |
|                                |       |      | Diema F                            | TV       | DVB        | 3/4             | 27.500   | Cryptoworks            |                   | Bulgarian                 |
|                                |       |      | Olimpica FM                        | radio    | DVB        | 3/4             | 27.500   |                        |                   |                           |
|                                |       |      | Astro Radio                        | radio    | DVB        | 3/4             | 27.500   |                        |                   |                           |
|                                |       |      | Horizont                           | radio    | DVB        | 3/4             | 27.500   |                        |                   | Bulgarian                 |
|                                |       |      | Radyo Lojik                        | radio    | DVB        | 3/4             | 27.500   |                        |                   | Turkish                   |
|                                |       |      | <u>DigitAlb</u>                    | package  | DVB        | 2/3             | 27.900   | Conax                  |                   |                           |
|                                |       |      | Explorer 1                         | TV       | DVB        | 2/3             | 27.900   | Conax                  |                   | Albanian                  |
|                                |       |      | Digi +                             | TV       | DVB        | 2/3             | 27.900   | Conax                  |                   | Albanian                  |
|                                |       |      | DigitAlb promo                     | TV       | DVB        | 2/3             | 27.900   |                        |                   | Albanian                  |
|                                |       |      | Digifilm Autor                     | TV       | DVB        | 2/3             | 27.900   | Conax                  |                   | English,Italian           |
|                                |       |      | Explorer 2                         | TV       | DVB        | 2/3             | 27.900   | Conax                  |                   | Albanian                  |
|                                |       |      | Çufo                               | TV       | DVB        | 2/3             | 27.900   | Conax                  |                   | Albanian                  |
|                                |       |      | Bang Bang                          | TV       | DVB        | 2/3             | 27.900   | Conax                  |                   | Albanian                  |
|                                |       |      | My Music                           | TV       | DVB        | 2/3             | 27.900   | Conax                  |                   | Albanian                  |
|                                |       |      | Top News                           | TV       | DVB        | 2/3             | 27.900   | Conax                  |                   | Albanian                  |
|                                |       |      | Top Channel                        | TV       | DVB        | 2/3             | 27.900   | Conax                  | Y                 | Albanian                  |
| Explorer 3                     | TV    | DVB  | 2/3                                | 27.900   | Conax      |                 | Albanian |                        |                   |                           |
| Junior TV                      | TV    | DVB  | 2/3                                | 27.900   | Conax      |                 | Albanian |                        |                   |                           |
| Top Gold                       | radio | DVB  | 2/3                                | 27.900   | Conax      |                 | Albanian |                        |                   |                           |
| Top Albania Radio              | radio | DVB  | 2/3                                | 27.900   |            |                 | Albanian |                        |                   |                           |
| Radio My Music                 | radio | DVB  | 2/3                                | 27.900   |            |                 | Albanian |                        |                   |                           |
| D 11.094                       | V     | Wide | <u>DigitAlb</u>                    | package  | DVB        | 2/3             | 27.900   | Conax                  |                   |                           |
|                                |       |      | Digifilm 5                         | TV       | DVB        | 2/3             | 27.900   | Conax                  | English,Italian   |                           |
|                                |       |      | XX                                 | TV       | DVB        | 2/3             | 27.900   | Conax                  | Albanian          |                           |
|                                |       |      | Channel X                          | TV       | DVB        | 2/3             | 27.900   | Conax                  | Albanian          |                           |
|                                |       |      | Digifilm 8                         | TV       | DVB        | 2/3             | 27.900   | Conax                  | English,Italian   |                           |
|                                |       |      | Digifilm 6                         | TV       | DVB        | 2/3             | 27.900   | Conax                  | English,Italian   |                           |
|                                |       |      | Digifilm Premiere                  | TV       | DVB        | 2/3             | 27.900   | Conax                  | English,Italian   |                           |
|                                |       |      | Digifilm 7                         | TV       | DVB        | 2/3             | 27.900   | Conax                  | English,Italian   |                           |
|                                |       |      | Top Gold                           | radio    | DVB        | 2/3             | 27.900   |                        | Albanian          |                           |
|                                |       |      | D 11.095                           | H        | Wide       | <u>Total TV</u> | package  | DVB                    | 3/4               | 27.300                    |
| Zone Romantica Pan Europe      | TV    | DVB  |                                    |          |            | 3/4             | 27.300   | Videoguard             |                   |                           |
| Cinemax 2 Central Europe       | TV    | DVB  |                                    |          |            | 3/4             | 27.300   | Videoguard             |                   |                           |
| TV Alfa                        | TV    | DVB  |                                    |          |            | 3/4             | 27.300   | Videoguard             | Bosnian           |                           |
| Sport Klub Croatia             | TV    | DVB  |                                    |          |            | 3/4             | 27.300   | Videoguard             | Croatian          |                           |
| Fishing & Hunting TV           | TV    | DVB  |                                    |          |            | 3/4             | 27.300   | Videoguard             | English           |                           |
| Jetix Central & Eastern Europe | TV    | DVB  |                                    |          |            | 3/4             | 27.300   | Cryptoworks/Videoguard | English,Bulgarian |                           |
| Zone Reality Magyar            | TV    | DVB  |                                    |          |            | 3/4             | 27.300   | Videoguard             | English           |                           |
| B92 Info kanal                 | TV    | DVB  |                                    |          |            | 3/4             | 27.300   | Videoguard             | Serbian           |                           |
| Film + Serbia                  | TV    | DVB  |                                    |          |            | 3/4             | 27.300   | Videoguard             | Serbian           |                           |
| El Emea                        | TV    | DVB  |                                    |          |            | 3/4             | 27.300   | Videoguard             | English           |                           |
| TV Kopernikus                  | TV    | DVB  |                                    |          |            | 3/4             | 27.300   |                        | Serbian           |                           |
| The History Channel Europe     | TV    | DVB  |                                    |          |            | 3/4             | 27.300   | Videoguard             | English           |                           |
| Minimax Srbija                 | TV    | DVB  | 3/4                                | 27.300   | Videoguard | Serbian         |          |                        |                   |                           |
| D 11.138                       | H     | Wide | <u>ITV Partner</u>                 | package  | DVB        | 3/4             | 27.700   |                        |                   |                           |
|                                |       |      | BNT 1                              | TV       | DVB        | 3/4             | 27.700   | Conax/Cryptoworks      | Bulgarian         |                           |
|                                |       |      | Fox Life Bulgaria                  | TV       | DVB        | 3/4             | 27.700   | Conax/Cryptoworks      | Bulgarian         |                           |
|                                |       |      | BNT Sat                            | TV       | DVB        | 3/4             | 27.700   |                        | Bulgarian         |                           |
|                                |       |      | Fan TV                             | TV       | DVB        | 3/4             | 27.700   |                        | Bulgarian         |                           |
|                                |       |      | NKTV Evrokom                       | TV       | DVB        | 3/4             | 27.700   | Conax/Cryptoworks      | Bulgarian         |                           |
|                                |       |      | Fox Crime Bulgaria                 | TV       | DVB        | 3/4             | 27.700   | Cryptoworks            | Bulgarian         |                           |
|                                |       |      | BBT                                | TV       | DVB        | 3/4             | 27.700   | Conax/Cryptoworks      | Bulgarian         |                           |
|                                |       |      | Fox Crime South East Europe        | TV       | DVB        | 3/4             | 27.700   | Cryptoworks/Videoguard | English           |                           |
|                                |       |      | Fox Life South East Europe         | TV       | DVB        | 3/4             | 27.700   | Cryptoworks/Videoguard | English           |                           |

| Freq<br>(GHz)                         | Pol     | Beam | Channel                        | Analogue |                     | Audio MHz         | Text<br>MSy/s | Access                 | Lang.                            |        |                                      |  |
|---------------------------------------|---------|------|--------------------------------|----------|---------------------|-------------------|---------------|------------------------|----------------------------------|--------|--------------------------------------|--|
|                                       |         |      |                                | Digital  | FEC                 |                   |               |                        |                                  |        |                                      |  |
| D 11.178                              | V       | Wide | Balkanika Music TV             | TV       | DVB                 | 3/4               | 27.700        |                        |                                  |        |                                      |  |
|                                       |         |      | Nova TV                        | TV       | DVB                 | 3/4               | 27.700        | Conax/Cryptoworks      | Bulgarian                        |        |                                      |  |
|                                       |         |      | BTV                            | TV       | DVB                 | 3/4               | 27.700        | Conax/Cryptoworks      | Bulgarian                        |        |                                      |  |
|                                       |         |      | TV Evropa                      | TV       | DVB                 | 3/4               | 27.700        | Cryptoworks            | Bulgarian                        |        |                                      |  |
|                                       |         |      | Radio Srbija                   | radio    | DVB                 | 3/4               | 27.700        |                        |                                  |        |                                      |  |
|                                       |         |      | Jazz FM Radio                  | radio    | DVB                 | 3/4               | 27.700        |                        | Bulgarian                        |        |                                      |  |
|                                       |         |      | Radio Aurea                    | radio    | DVB                 | 3/4               | 27.700        |                        | Bulgarian                        |        |                                      |  |
|                                       |         |      | Radio Veronika                 | radio    | DVB                 | 3/4               | 27.700        |                        | Bulgarian                        |        |                                      |  |
|                                       |         |      | Radio 1 Rock                   | radio    | DVB                 | 3/4               | 27.700        |                        | Bulgarian                        |        |                                      |  |
|                                       |         |      | Ok Radio                       | radio    | DVB                 | 3/4               | 27.700        |                        | Serbian                          |        |                                      |  |
|                                       |         |      | Radio Stil                     | radio    | DVB                 | 3/4               | 27.700        |                        | Bulgarian                        |        |                                      |  |
|                                       |         |      | Suton Radio                    | radio    | DVB                 | 3/4               | 27.700        |                        | Serbian                          |        |                                      |  |
|                                       |         |      | Hristo Botev                   | radio    | DVB                 | 3/4               | 27.700        |                        | Bulgarian                        |        |                                      |  |
|                                       |         |      | Radio Z-Rock                   | radio    | DVB                 | 3/4               | 27.700        |                        | Bulgarian                        |        |                                      |  |
|                                       |         |      | Darik Radio                    | radio    | DVB                 | 3/4               | 27.700        |                        | Bulgarian                        |        |                                      |  |
|                                       |         |      | <u>Pink Media Group</u>        | package  | DVB                 | 3/4               | 27.500        | Irdeto 2/Videoguard    |                                  |        |                                      |  |
|                                       |         |      | Pink Srbija                    | TV       | DVB                 | 3/4               | Y 27.500      | Irdeto 2/Videoguard    | Serbian                          |        |                                      |  |
|                                       |         |      | Pink Film                      | TV       | DVB                 | 3/4               | 27.500        | Irdeto 2/Videoguard    | Serbian                          |        |                                      |  |
|                                       |         |      | FTV See                        | TV       | DVB                 | 3/4               | 27.500        |                        |                                  |        |                                      |  |
|                                       |         |      | Pink Family                    | TV       | DVB                 | 3/4               | 27.500        | Irdeto 2/Videoguard    | Serbian                          |        |                                      |  |
|                                       |         |      | Pink Kids                      | TV       | DVB                 | 3/4               | 27.500        | Irdeto 2/Videoguard    | Serbian                          |        |                                      |  |
|                                       |         |      | Pink Music                     | TV       | DVB                 | 3/4               | 27.500        | Irdeto 2/Videoguard    | Serbian                          |        |                                      |  |
|                                       |         |      | Pink Plus                      | TV       | DVB                 | 3/4               | Y 27.500      | Irdeto 2/Videoguard    | Serbian                          |        |                                      |  |
|                                       |         |      | Pink Action                    | TV       | DVB                 | 3/4               | 27.500        | Irdeto 2/Videoguard    | Serbian                          |        |                                      |  |
| Pink Movies                           | TV      | DVB  | 3/4                            | 27.500   | Irdeto 2/Videoguard | Serbian           |               |                        |                                  |        |                                      |  |
| Pink M                                | TV      | DVB  | 3/4                            | Y 27.500 | Irdeto 2/Videoguard | Serbian           |               |                        |                                  |        |                                      |  |
| Pink BH                               | TV      | DVB  | 3/4                            | Y 27.500 | Irdeto 2/Videoguard | Serbian           |               |                        |                                  |        |                                      |  |
| Pink Extra                            | TV      | DVB  | 3/4                            | 27.500   | Irdeto 2/Videoguard | Serbian           |               |                        |                                  |        |                                      |  |
| Pink Radio                            | radio   | DVB  | 3/4                            | 27.500   |                     | Serbian           |               |                        |                                  |        |                                      |  |
| Radio Index                           | radio   | DVB  | 3/4                            | 27.500   |                     | Serbian           |               |                        |                                  |        |                                      |  |
| D 11.283                              | H       | Wide | <u>Tring TV</u>                | package  | DVB                 | 5/6               | 27.500        | Conax/Cryptoworks      |                                  |        |                                      |  |
|                                       |         |      | Tring World                    | TV       | DVB                 | 5/6               | 27.500        | Conax                  | Albanian                         |        |                                      |  |
|                                       |         |      | Tring Tring                    | TV       | DVB                 | 5/6               | 27.500        | Conax                  | Albanian                         |        |                                      |  |
|                                       |         |      | Neser TV                       | TV       | DVB                 | 5/6               | 27.500        | Conax                  | English                          |        |                                      |  |
|                                       |         |      | Tring Planet                   | TV       | DVB                 | 5/6               | 27.500        | Conax                  | English                          |        |                                      |  |
|                                       |         |      | Hustler TV Europe              | TV       | DVB                 | 5/6               | 27.500        | Conax                  | English                          |        |                                      |  |
|                                       |         |      | Mediasat                       | TV       | DVB                 | 5/6               | Y 27.500      | Conax                  |                                  |        |                                      |  |
|                                       |         |      | Jetix Central & Eastern Europe | TV       | DVB                 | 5/6               | 27.500        | Conax/Cryptoworks      | English                          |        |                                      |  |
|                                       |         |      | VH1 Europe A                   | TV       | DVB                 | 5/6               | 27.500        | Conax/Cryptoworks      | English                          |        |                                      |  |
|                                       |         |      | Tring Shqip                    | TV       | DVB                 | 5/6               | 27.500        | Conax                  | Albanian                         |        |                                      |  |
|                                       |         |      | EI Emea                        | TV       | DVB                 | 5/6               | 27.500        | Conax                  | English                          |        |                                      |  |
|                                       |         |      | Vizion Plus                    | TV       | DVB                 | 5/6               | 27.500        |                        | Albanian                         |        |                                      |  |
|                                       |         |      | Tring Max                      | TV       | DVB                 | 5/6               | 27.500        | Conax                  | Albanian                         |        |                                      |  |
|                                       |         |      | Tring Life                     | TV       | DVB                 | 5/6               | 27.500        | Conax                  | Albanian                         |        |                                      |  |
|                                       |         |      | ETV                            | TV       | DVB                 | 5/6               | 27.500        | Conax                  | Albanian                         |        |                                      |  |
|                                       |         |      | Cartoon Network Central Europe | TV       | DVB                 | 5/6               | 27.500        | Conax                  | English                          |        |                                      |  |
|                                       |         |      | TCM Central Europe             | TV       | DVB                 | 5/6               | 27.500        | Conax                  | English                          |        |                                      |  |
|                                       |         |      | Tring Super                    | TV       | DVB                 | 5/6               | 27.500        | Conax                  | Albanian                         |        |                                      |  |
|                                       |         |      | Tring Sport News               | TV       | DVB                 | 5/6               | 27.500        | Conax                  | Albanian                         |        |                                      |  |
|                                       |         |      | Folk +                         | TV       | DVB                 | 5/6               | 27.500        | Conax                  | Albanian                         |        |                                      |  |
|                                       |         |      | Tring Comedy                   | TV       | DVB                 | 5/6               | 27.500        | Conax                  | Albanian                         |        |                                      |  |
|                                       |         |      | Tring Serial                   | TV       | DVB                 | 5/6               | 27.500        | Conax                  | Albanian                         |        |                                      |  |
|                                       |         |      | D 11.304                       | V        | Wide                | <u>Arqiva</u>     | package       | DVB                    | 3/4                              | 30.000 | Conax/Cryptoworks/PowerVu/Videoguard |  |
|                                       |         |      |                                |          |                     | Premium Digital   | TV            | DVB                    | 3/4                              | 30.000 | Cryptoworks                          |  |
| SK Folk                               | TV      | DVB  |                                |          |                     | 3/4               | 30.000        |                        | Bulgarian                        |        |                                      |  |
| GTV                                   | TV      | DVB  |                                |          |                     | 3/4               | 30.000        | Cryptoworks            | Bulgarian                        |        |                                      |  |
| Animal Planet Europe                  | TV      | DVB  |                                |          |                     | 3/4               | 30.000        | Cryptoworks/Videoguard |                                  |        |                                      |  |
| EBF                                   | TV      | DVB  |                                |          |                     | 3/4               | 30.000        |                        | Bulgarian                        |        |                                      |  |
| AXN Bulgaria                          | TV      | DVB  |                                |          |                     | 3/4               | 30.000        | Cryptoworks            | Bulgarian                        |        |                                      |  |
| Discovery Channel Europe              | TV      | DVB  |                                |          |                     | 3/4               | 30.000        | Cryptoworks/Videoguard | English                          |        |                                      |  |
| Folklor TV                            | TV      | DVB  |                                |          |                     | 3/4               | 30.000        |                        | Bulgarian                        |        |                                      |  |
| National Westminster Bank TV          | TV      | DVB  |                                |          |                     | 3/4               | 30.000        | PowerVu                |                                  |        |                                      |  |
| Royal Bank of Scotland TV             | TV      | DVB  |                                |          |                     | 3/4               | 30.000        | PowerVu                |                                  |        |                                      |  |
| Planeta TV                            | TV      | DVB  |                                |          |                     | 3/4               | 30.000        | Cryptoworks            | Bulgarian                        |        |                                      |  |
| <u>Sony Pictures TV International</u> | package | DVB  |                                |          |                     | 3/4               | 27.500        | PowerVu/Viaccess 2.6   |                                  |        |                                      |  |
| AXN Central Europe                    | TV      | DVB  |                                |          |                     | 3/4               | Y 27.500      | PowerVu                | Hungarian,Czech,Bulgarian,Polish |        |                                      |  |
| AXN Crime Polska                      | TV      | DVB  | 3/4                            | 27.500   | PowerVu             | Polish,English    |               |                        |                                  |        |                                      |  |
| AXN Sci-Fi Polska                     | TV      | DVB  | 3/4                            | 27.500   | PowerVu             | Polish,English    |               |                        |                                  |        |                                      |  |
| AXN Bulgaria                          | TV      | DVB  | 3/4                            | 27.500   | PowerVu             | Bulgarian,English |               |                        |                                  |        |                                      |  |
| SET Africa                            | TV      | DVB  | 3/4                            | 27.500   | Viaccess 2.6        | English           |               |                        |                                  |        |                                      |  |

| Freq (GHz)                       | Pol   | Beam       | Channel               | Analogue |                           | Audio MHz         | Text     | Access                    | Lang.                                     |          |              |          |
|----------------------------------|-------|------------|-----------------------|----------|---------------------------|-------------------|----------|---------------------------|---|----------|--------------|----------|
|                                  |       |            |                       | Digital  | FEC                       | MSy/s             |          |                           |   |          |              |          |
| D 11.428                         | V     | Wide       | Animax South Africa   | TV       | DVB                       | 3/4               | 27.500   | PowerVu                   | English                                   |          |              |          |
|                                  |       |            | AXN Polska            | TV       | DVB                       | 3/4               | Y 27.500 | PowerVu                   | Polish,English                            |          |              |          |
|                                  |       |            | AXN Deutschland       | TV       | DVB                       | 3/4               | 27.500   | Viaccess 2.6              | English,German                            |          |              |          |
|                                  |       |            | AXN Sci-Fi            | TV       | DVB                       | 3/4               | 27.500   | PowerVu                   | Hungarian,Bulgarian,Polish,Romanian,Czech |          |              |          |
|                                  |       |            | AXN Crime             | TV       | DVB                       | 3/4               | 27.500   | PowerVu                   | Hungarian,Bulgarian,Polish,Romanian,Czech |          |              |          |
|                                  |       |            | Animax Deutschland    | TV       | DVB                       | 3/4               | 27.500   | PowerVu                   | German,English                            |          |              |          |
|                                  |       |            | AXN Romania           | TV       | DVB                       | 3/4               | Y 27.500 | PowerVu                   | Romanian,Hungarian,Czech,English          |          |              |          |
|                                  |       |            | Total TV              | package  | DVB                       | 5/6               | 30.000   | Videoguard                |   |          |              |          |
|                                  |       |            | Top Shop TV Serbia    | TV       | DVB                       | 5/6               | 30.000   | Videoguard                | Serbian                                   |          |              |          |
|                                  |       |            | Federalna TV          | TV       | DVB                       | 5/6               | Y 30.000 | Videoguard                | Bosnian                                   |          |              |          |
|                                  |       |            | Alternativna TV       | TV       | DVB                       | 5/6               | Y 30.000 | Videoguard                | Serbian                                   |          |              |          |
|                                  |       |            | RTRS                  | TV       | DVB                       | 5/6               | Y 30.000 | Videoguard                | Serbian                                   |          |              |          |
|                                  |       |            | OBN                   | TV       | DVB                       | 5/6               | Y 30.000 | Videoguard                | Bosnian                                   |          |              |          |
|                                  |       |            | TV Metropolis         | TV       | DVB                       | 5/6               | 30.000   | Videoguard                | Serbian                                   |          |              |          |
|                                  |       |            | Sport Klub + Serbia   | TV       | DVB                       | 5/6               | 30.000   | Videoguard                | Serbian,Slovenian,Croatian                |          |              |          |
|                                  |       |            | HBO Comedy Adria      | TV       | DVB                       | 5/6               | Y 30.000 | Cryptoworks/Videoguard    | Serbian,Bulgarian,Croatian,Slovenian      |          |              |          |
|                                  |       |            | Fox TV Srbija         | TV       | DVB                       | 5/6               | Y 30.000 | Videoguard                | Serbian                                   |          |              |          |
|                                  |       |            | TV Avala              | TV       | DVB                       | 5/6               | Y 30.000 | Videoguard                | Serbian                                   |          |              |          |
|                                  |       |            | TV Spectrum           | TV       | DVB                       | 5/6               | 30.000   |                           | Serbian                                   |          |              |          |
|                                  |       |            | TV Palma Plus         | TV       | DVB                       | 5/6               | 30.000   | Videoguard                | Serbian                                   |          |              |          |
| Golf Klub                        | TV    | DVB        | 5/6                   | 30.000   | Videoguard                | Serbian,Slovenian |          |                           |   |          |              |          |
| Discovery Travel & Living Europe | TV    | DVB        | 5/6                   | 30.000   | Videoguard                | English           |          |                           |   |          |              |          |
| D 11.449                         | H     | Wide       | DigitAlb              | package  | DVB                       | 7/8               | 27.500   | Conax                     |   |          |              |          |
|                                  |       |            | DigiGold              | TV       | DVB                       | 7/8               | 27.500   | Conax                     | Albanian                                  |          |              |          |
|                                  |       |            | Kohavision            | TV       | DVB                       | 7/8               | 27.500   | Conax                     | Albanian                                  |          |              |          |
|                                  |       |            | RTV 21 Sat            | TV       | DVB                       | 7/8               | 27.500   | Conax                     | Albanian                                  |          |              |          |
|                                  |       |            | Ora News              | TV       | DVB                       | 7/8               | 27.500   | Conax                     | Albanian                                  |          |              |          |
|                                  |       |            | TV Shqiptar           | TV       | DVB                       | 7/8               | 27.500   | Conax                     | Albanian                                  |          |              |          |
|                                  |       |            | Koha TV               | TV       | DVB                       | 7/8               | 27.500   | Conax                     | Albanian                                  |          |              |          |
|                                  |       |            | MusicAl               | TV       | DVB                       | 7/8               | 27.500   | Conax                     | Albanian                                  |          |              |          |
|                                  |       |            | SuperSport 2          | TV       | DVB                       | 7/8               | 27.500   | Conax                     | Albanian                                  |          |              |          |
|                                  |       |            | TV Klan               | TV       | DVB                       | 7/8               | 27.500   | Conax                     | Albanian                                  |          |              |          |
|                                  |       |            | SuperSport 5          | TV       | DVB                       | 7/8               | 27.500   | Conax                     | Albanian                                  |          |              |          |
|                                  |       |            | SuperSport 4          | TV       | DVB                       | 7/8               | 27.500   | Conax                     | Albanian                                  |          |              |          |
|                                  |       |            | SuperSport 3          | TV       | DVB                       | 7/8               | 27.500   | Conax                     | Albanian                                  |          |              |          |
|                                  |       |            | SuperSport 1          | TV       | DVB                       | 7/8               | 27.500   | Conax                     | Albanian                                  |          |              |          |
|                                  |       |            | News 24               | TV       | DVB                       | 7/8               | Y 27.500 | Conax                     | Albanian                                  |          |              |          |
|                                  |       |            | D 11.471              | V        | Wide                      | TV Romania        | package  | DVB                       | 5/6                                       | 29.950   |              |          |
|                                  |       |            |                       |          |                           | TVR HD            | TV       | DVB                       | 5/6                                       | Y 29.950 | Viaccess 2.6 | Romanian |
| TVR Timisoara                    | TV    | DVB        |                       |          |                           | 5/6               | Y 29.950 |                           | Romanian                                  |          |              |          |
| TVR Iasi                         | TV    | DVB        |                       |          |                           | 5/6               | Y 29.950 |                           | Romanian                                  |          |              |          |
| TVR Craiova                      | TV    | DVB        |                       |          |                           | 5/6               | Y 29.950 |                           | Romanian                                  |          |              |          |
| TVR Cluj                         | TV    | DVB        |                       |          |                           | 5/6               | Y 29.950 |                           | Romanian                                  |          |              |          |
| TVR 2                            | TV    | DVB        |                       |          |                           | 5/6               | Y 29.950 | Viaccess 2.6              | Romanian                                  |          |              |          |
| TVR 1                            | TV    | DVB        |                       |          |                           | 5/6               | Y 29.950 | Viaccess 2.6              | Romanian                                  |          |              |          |
| TVR Cultural                     | TV    | DVB        |                       |          |                           | 5/6               | Y 29.950 |                           | Romanian                                  |          |              |          |
| TVR International                | TV    | DVB        |                       |          |                           | 5/6               | Y 29.950 |                           | Romanian                                  |          |              |          |
| TVR Info                         | TV    | DVB        |                       |          |                           | 5/6               | Y 29.950 |                           | Romanian                                  |          |              |          |
| TVR 3                            | TV    | DVB        |                       |          |                           | 5/6               | Y 29.950 |                           | Romanian                                  |          |              |          |
| Radio România International      | radio | DVB        |                       |          |                           | 5/6               | 29.950   |                           |   |          |              |          |
| România în direct                | radio | DVB        |                       |          |                           | 5/6               | 29.950   |                           | Romanian                                  |          |              |          |
| D 11.492                         | H     | Madagascar | Parabole Océan Indien | package  | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 |   |          |              |          |
|                                  |       |            | TPS Star              | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
|                                  |       |            | Cinecinema Premier    | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
|                                  |       |            | Antenne Réunion       | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
|                                  |       |            | Cinecinema Classic    | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
|                                  |       |            | Eurêka!               | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
|                                  |       |            | Chasse & Pêche        | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
|                                  |       |            | RTL 9                 | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
|                                  |       |            | SuperSport 3 Africa   | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | English                                   |          |              |          |
|                                  |       |            | Télé Réunion          | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
|                                  |       |            | RFO Tempo             | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
|                                  |       |            | Cinecinema Émotion    | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
|                                  |       |            | Série Club            | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
|                                  |       |            | Cinecinema Star       | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
|                                  |       |            | Piwi                  | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
|                                  |       |            | TF 6                  | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
|                                  |       |            | M6                    | TV       | DVB                       | 3/4               | 29.950   | Viaccess 2.3/Viaccess 2.5 | French                                    |          |              |          |
| Téva                             | TV    | DVB        | 3/4                   | 29.950   | Viaccess 2.3/Viaccess 2.5 | French            |          |                           |   |          |              |          |

| Freq<br>(GHz)   | Pol   | Beam       | Channel                            | Analogue            |        | Text<br>MSy/s           | Access                           | Lang.                      |     |  |         |
|-----------------|-------|------------|------------------------------------|---------------------|--------|-------------------------|----------------------------------|----------------------------|-----|--|---------|
|                 |       |            |                                    | Digital             | FEC    |                         |                                  |                            |     |  |         |
| D 11.534        | H     | Madagascar | Discovery Channel France           | TV                  | DVB    | 3/4                     | 29.950 Viaccess 2.3/Viaccess 2.5 | French                     |     |  |         |
|                 |       |            | NRJ Réunion                        | radio               | DVB    | 3/4                     | 29.950 Viaccess 2.3/Viaccess 2.5 | French                     |     |  |         |
|                 |       |            | Chérie FM                          | radio               | DVB    | 3/4                     | 29.950 Viaccess 2.3/Viaccess 2.5 | French                     |     |  |         |
|                 |       |            | Exo FM                             | radio               | DVB    | 3/4                     | 29.950 Viaccess 2.3/Viaccess 2.5 | French                     |     |  |         |
|                 |       |            | RCF                                | radio               | DVB    | 3/4                     | 29.950 Viaccess 2.3/Viaccess 2.5 | French                     |     |  |         |
|                 |       |            | Radio Classique                    | radio               | DVB    | 3/4                     | 29.950 Viaccess 2.3/Viaccess 2.5 | French                     |     |  |         |
|                 |       |            | Radio One                          | radio               | DVB    | 3/4                     | 29.950 Viaccess 2.3/Viaccess 2.5 | French                     |     |  |         |
|                 |       |            | <u>CanalSat Réunion</u>            | package             | DVB    | 3/4                     | 30.000 Mediaguard 2              |                            |     |  |         |
|                 |       |            | RFO Tempo                          | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Télé Réunion                       | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Cartoon Network                    | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Trace TV                           | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Disney Channel France              | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Paris Première                     | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | TCM France                         | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French,English             |     |  |         |
|                 |       |            | L'Équipe TV                        | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | CanalSatellite promo               | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | TV 5 Monde Afrique                 | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | ↳Télé                              | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Cinecinema Famiz                   | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | 13ème Rue                          | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Canal J                            | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | MCM France                         | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Planète France                     | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Action                             | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Voyage                             | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | TMC                                | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | France Ô                           | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Le Pilote                          | interacti           | DVB    | 3/4                     | 30.000 Mediaguard 2              |                            |     |  |         |
|                 |       |            | D 11.554                           | V                   | Wide   | <u>Total TV</u>         | package                          | DVB                        | 7/8 | 30.000 Cryptoworks/Irdeto 2/Videoguard |         |
|                 |       |            |                                    |                     |        | Sport Klub Serbia       | TV                               | DVB                        | 7/8 | Y 30.000 Videoguard                    | Serbian |
|                 |       |            |                                    |                     |        | SOS Kanal               | TV                               | DVB                        | 7/8 | 30.000 Videoguard                      | Serbian |
|                 |       |            |                                    |                     |        | Cinemanía               | TV                               | DVB                        | 7/8 | 30.000 Videoguard                      | Serbian |
| Studio B        | TV    | DVB        |                                    |                     |        | 7/8                     | 30.000 Videoguard                | Serbian                    |     |  |         |
| Enter TV        | TV    | DVB        |                                    |                     |        | 7/8                     | Y 30.000 Videoguard              | Serbian                    |     |  |         |
| Film + Serbia   | TV    | DVB        |                                    |                     |        | 7/8                     | 30.000 Videoguard                | Serbian                    |     |  |         |
| DoQ             | TV    | DVB        |                                    |                     |        | 7/8                     | 30.000 Videoguard                | English                    |     |  |         |
| TV B92          | TV    | DVB        |                                    |                     |        | 7/8                     | Y 30.000 Videoguard              | Serbian                    |     |  |         |
| Ultra TV        | TV    | DVB        |                                    |                     |        | 7/8                     | 30.000 Videoguard                | Serbian                    |     |  |         |
| RTS 1           | TV    | DVB        |                                    |                     |        | 7/8                     | Y 30.000 Videoguard              | Serbian                    |     |  |         |
| RTS 2           | TV    | DVB        |                                    |                     |        | 7/8                     | Y 30.000 Videoguard              | Serbian                    |     |  |         |
| Super TV        | TV    | DVB        |                                    |                     |        | 7/8                     | Y 30.000 Videoguard              | Serbian                    |     |  |         |
| Happy TV        | TV    | DVB        |                                    |                     |        | 7/8                     | Y 30.000 Irdeto 2/Videoguard     | Serbian                    |     |  |         |
| HBO Adria       | TV    | DVB        |                                    |                     |        | 7/8                     | Y 30.000 Cryptoworks/Videoguard  | Serbian,Croatian,Slovenian |     |  |         |
| TV Kosava       | TV    | DVB        |                                    |                     |        | 7/8                     | Y 30.000 Irdeto 2/Videoguard     | Serbian                    |     |  |         |
| B92 FM          | radio | DVB        |                                    |                     |        | 7/8                     | 30.000 Videoguard                | Serbian                    |     |  |         |
| D 11.575        | H     | Madagascar |                                    |                     |        | <u>CanalSat Réunion</u> | package                          | DVB                        | 3/4 | 30.000 Mediaguard 2                    |         |
|                 |       |            |                                    |                     |        | MCM Pop                 | TV                               | DVB                        | 3/4 | 30.000 Mediaguard 2                    | French  |
|                 |       |            |                                    |                     |        | XXL                     | TV                               | DVB                        | 3/4 | 30.000 Mediaguard 2                    | French  |
|                 |       |            | Motors TV                          | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Zee Cinema UK                      | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | Hindi                      |     |  |         |
|                 |       |            | Zee TV UK                          | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | Hindi                      |     |  |         |
|                 |       |            | Game One                           | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Cuisine TV                         | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | LCP                                | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | BBC World News                     | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | English                    |     |  |         |
|                 |       |            | Seasons                            | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Planète No Limit                   | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Sport +                            | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | EuroNews                           | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | MTV France                         | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Téva                               | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Disney Cinemagic France            | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
| Antenne Réunion | TV    | DVB        | 3/4                                | 30.000 Mediaguard 2 | French |                         |                                  |                            |     |  |         |
| D 11.596        | V     | Madagascar | <u>CanalSat Réunion</u>            | package             | DVB    | 3/4                     | 30.000                           |                            |     |  |         |
|                 |       |            | Private Spice                      | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | English                    |     |  |         |
|                 |       |            | + de Sport                         | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | Extreme Sports Channel             | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              |                            |     |  |         |
|                 |       |            | Ushuaïa TV                         | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |
|                 |       |            | National Geographic Channel France | TV                  | DVB    | 3/4                     | 30.000 Mediaguard 2              | French                     |     |  |         |

| Freq<br>(GHz)               | Pol       | Beam       | Channel                      | Analogue |            | Audio MHz               | Text     | Access                    | Lang.      |          |              |           |
|-----------------------------|-----------|------------|------------------------------|----------|------------|-------------------------|----------|---------------------------|------------|----------|--------------|-----------|
|                             |           |            |                              | Digital  | FEC        | MSy/s                   |          |                           |            |          |              |           |
| D 11.617                    | H         | Madagascar | <u>Parabole Océan Indien</u> | package  | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 |            |          |              |           |
|                             |           |            | Equidia                      | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | Eurosport 2                  | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | Comedie                      | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | TPS Foot                     | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | AB Moteurs                   | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | InfoSport                    | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | Disney XD France             | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | Escales                      | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | Odyssée                      | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | LCI                          | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | TV Breizh                    | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 |            |          |              |           |
|                             |           |            | M6 Music Hits                | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | HotShow                      | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 |            |          |              |           |
|                             |           |            | TéléToon France              | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | TF 1                         | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | Kanal Austral                | TV       | DVB        | 3/4                     | 29.950   |                           | French     |          |              |           |
|                             |           |            | CNN International            | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | English    |          |              |           |
|                             |           |            | Eurosport France             | TV       | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | Free Dom                     | radio    | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | RTL                          | radio    | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | Europe 1 Sport               | radio    | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | Europe 1                     | radio    | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | Nostalgie la légende         | radio    | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | Radio Plus                   | radio    | DVB        | 3/4                     | 29.950   | Viaccess 2.3/Viaccess 2.5 | French     |          |              |           |
|                             |           |            | D 11.658                     | H        | Madagascar | <u>CanalSat Réunion</u> | package  | DVB                       | 3/4        | 30.000   | Mediaguard 2 |           |
|                             |           |            |                              |          |            | TF 1                    | TV       | DVB                       | 3/4        | 30.000   | Mediaguard 2 | French    |
|                             |           |            |                              |          |            | M6                      | TV       | DVB                       | 3/4        | 30.000   | Mediaguard 2 | French    |
|                             |           |            |                              |          |            | Eurosport France        | TV       | DVB                       | 3/4        | 30.000   | Mediaguard 2 | French    |
|                             |           |            |                              |          |            | TF 6                    | TV       | DVB                       | 3/4        | 30.000   | Mediaguard 2 | French    |
| Canal + Cinéma Réunion      | TV        | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| Equidia                     | TV        | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| Canal + Sport Réunion       | TV        | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| Canal + Réunion             | TV        | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| Cinecinema Émotion          | TV        | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| Cinecinema Premier          | TV        | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| Cinecinema Frisson          | TV        | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| LCI                         | TV        | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| Playhouse Disney France     | TV        | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| Télé Maison                 | TV        | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| RTL 9                       | TV        | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| Le Mouv'                    | radio     | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| Radio Réunion               | radio     | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| Radio France Internationale | radio     | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| Frequence Jazz              | radio     | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| RFM                         | radio     | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| France Info                 | radio     | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| France Vivace               | radio     | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              | French     |          |              |           |
| PMU Direct                  | interacti | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              |            |          |              |           |
| La Météo                    | interacti | DVB        |                              |          |            | 3/4                     | 30.000   | Mediaguard 2              |            |          |              |           |
| D 12.726                    | V         | Wide       |                              |          |            | <u>STN</u>              | package  | DVB                       | 3/4        | 30.000   |              |           |
|                             |           |            |                              |          |            | Svet Plus               | TV       | DVB                       | 3/4        | Y 30.000 |              | Serbian   |
|                             |           |            |                              |          |            | Info TV                 | TV       | DVB                       | 3/4        | 30.000   |              | Slovenian |
|                             |           |            |                              |          |            | Sport Klub Slovenija    | TV       | DVB                       | 3/4        | 30.000   | Videoguard   | Slovenian |
|                             |           |            |                              |          |            | TV 3 Slovenija          | TV       | DVB                       | 3/4        | Y 30.000 | Videoguard   | Slovenian |
|                             |           |            | Kanal A                      | TV       | DVB        | 3/4                     | Y 30.000 | Videoguard                | Slovenian  |          |              |           |
|                             |           |            | Pop TV                       | TV       | DVB        | 3/4                     | Y 30.000 | Videoguard                | Slovenian  |          |              |           |
|                             |           |            | Best of Macedonia            | TV       | DVB        | 3/4                     | 30.000   |                           | Macedonian |          |              |           |
|                             |           |            | MKTV Sat                     | TV       | DVB        | 3/4                     | 30.000   |                           | Macedonian |          |              |           |
|                             |           |            | Art Channel                  | TV       | DVB        | 3/4                     | 30.000   |                           |            |          |              |           |
|                             |           |            | TV 1 Channel                 | TV       | DVB        | 3/4                     | 30.000   |                           | Bulgarian  |          |              |           |
|                             |           |            | TV Duga                      | TV       | DVB        | 3/4                     | 30.000   |                           | Serbian    |          |              |           |
|                             |           |            | MM                           | TV       | DVB        | 3/4                     | 30.000   |                           | Bulgarian  |          |              |           |
|                             |           |            | TV Pika                      | TV       | DVB        | 3/4                     | Y 30.000 | Videoguard                | Slovenian  |          |              |           |
|                             |           |            | Astro                        | TV       | DVB        | 3/4                     | 30.000   |                           | Serbian    |          |              |           |
|                             |           |            | Yu Planet Radio              | radio    | DVB        | 3/4                     | 30.000   |                           | Serbian    |          |              |           |
|                             |           |            | VIP Radio                    | radio    | DVB        | 3/4                     | 30.000   |                           | Serbian    |          |              |           |
|                             |           |            | Pink Sat                     | radio    | DVB        | 3/4                     | 30.000   |                           | Serbian    |          |              |           |
|                             |           |            | Radio 1                      | radio    | DVB        | 3/4                     | 30.000   |                           | Slovenian  |          |              |           |
|                             |           |            | Radio Brod                   | radio    | DVB        | 3/4                     | 30.000   |                           | Croatian   |          |              |           |

| Freq<br>(GHz) | Pol | Beam | Channel          | Analogue Audio MHz |     |     | Text<br>MSy/s | Access | Lang.    |
|---------------|-----|------|------------------|--------------------|-----|-----|---------------|--------|----------|
|               |     |      |                  | Digital            | FEC |     |               |        |          |
|               |     |      | Doina Radio      | radio              | DVB | 3/4 | 30.000        |        | Serbian  |
|               |     |      | Radio Grand      | radio              | DVB | 3/4 | 30.000        |        | Serbian  |
|               |     |      | Kiss Radio       | radio              | DVB | 3/4 | 30.000        |        | Serbian  |
|               |     |      | Kiss Rom         | radio              | DVB | 3/4 | 30.000        |        | Serbian  |
|               |     |      | Tref Radio Plus  | radio              | DVB | 3/4 | 30.000        |        | Serbian  |
|               |     |      | Valentino BH     | radio              | DVB | 3/4 | 30.000        |        | Bosnian  |
|               |     |      | Radio Glas Drine | radio              | DVB | 3/4 | 30.000        |        | Bosnian  |
|               |     |      | Radio Svet Plus  | radio              | DVB | 3/4 | 30.000        |        | Serbian  |
|               |     |      | Radio Velkaton   | radio              | DVB | 3/4 | 30.000        |        | Bosnian  |
|               |     |      | Radio S          | radio              | DVB | 3/4 | 30.000        |        | Serbian  |
|               |     |      | Radio Koktel     | radio              | DVB | 3/4 | 30.000        |        | Bosnian  |
|               |     |      | Top 3 Radio      | radio              | DVB | 3/4 | 30.000        |        | Serbian  |
|               |     |      | Vikom Radio      | radio              | DVB | 3/4 | 30.000        |        | Serbian  |
|               |     |      | Radio Posavina   | radio              | DVB | 3/4 | 30.000        |        | Croatian |
|               |     |      | Radio Izvor      | radio              | DVB | 3/4 | 30.000        |        | Bosnian  |
|               |     |      | Radio Plehan     | radio              | DVB | 3/4 | 30.000        |        | Croatian |
|               |     |      | Vulkanradio      | radio              | DVB | 3/4 | 30.000        |        | Serbian  |
|               |     |      | Kiss Modus       | radio              | DVB | 3/4 | 30.000        |        | Serbian  |
|               |     |      | Kiss Extra       | radio              | DVB | 3/4 | 30.000        |        |          |
|               |     |      | Radio Fenomen    | radio              | DVB | 3/4 | 30.000        |        | Serbian  |

### W3A (7°EAST)

|          |   |          |   |           |        |     |          |                      |                 |
|----------|---|----------|---|-----------|--------|-----|----------|----------------------|-----------------|
| D 10.762 | H | Europe B | Horizon Satellite Services              | interacti | DVB-S2 | 5/6 | 29.500   |                      |                 |
| D 10.845 | V | Europe B | SkyDSL                                  | interacti | DVB    | 3/4 | 27.500   |                      |                 |
| A 10.928 | H | Europe B | Eurosport                               | TV        | DVB-S2 | 2/3 | 30.000   | Cryptoworks/Irdeto 2 | Turkish,English |
| A 10.928 | H | Europe B | Lig TV                                  | TV        | DVB-S2 | 2/3 | 30.000   | Cryptoworks/Irdeto 2 | Turkish         |
| A 10.928 | H | Europe B | National Geographic Channel HD UK       | TV        | DVB-S2 | 2/3 | 30.000   | Irdeto 2             | Turkish,English |
| A 10.928 | H | Europe B | MovieMax HD                             | TV        | DVB-S2 | 2/3 | 30.000   | Irdeto 2             | Turkish         |
| A 10.928 | H | Europe B | SporMax                                 | TV        | DVB-S2 | 2/3 | 30.000   | Cryptoworks/Irdeto 2 | Turkish         |
| A 10.928 | H | Europe B | DigiTurk                                | package   | DVB-S2 | 2/3 | 30.000   | Cryptoworks/Irdeto 2 |                 |
| A 10.928 | V | Europe B | I-concerts                              | TV        | DVB    | 3/4 | 27.500   | BISS                 |                 |
| A 10.928 | V | Europe B | OpenSky                                 | package   | DVB    | 3/4 | 27.500   |                      |                 |
| D 10.928 | V | Europe B | OpenSky                                 | interacti | DVB    | 3/4 | 27.500   |                      |                 |
| D 11.262 | H | Europe A | OpenSky                                 | interacti | DVB    | 3/4 | 27.500   |                      |                 |
| D 11.283 | V | Europe A | GlobeCast                               | package   | DVB    | 3/4 | 27.500   |                      |                 |
|          |   |          | LM TV promo                             | TV        | DVB    | 3/4 | 27.500   |                      | French          |
|          |   |          | M6 Suisse                               | TV        | DVB    | 3/4 | Y 27.500 |                      | French          |
|          |   |          | RFI Langues Est                         | radio     | DVB    | 3/4 | 27.500   |                      |                 |
|          |   |          | RFI Langues 1                           | radio     | DVB    | 3/4 | 27.500   |                      |                 |
|          |   |          | RFI Français                            | radio     | DVB    | 3/4 | 27.500   |                      | French          |
|          |   |          | Buffalo Grill                           | radio     | DVB    | 3/4 | 27.500   | Viaccess 2.5         |                 |
|          |   |          | RFI Diverse 6                           | radio     | DVB    | 3/4 | 27.500   |                      |                 |
|          |   |          | RFI Langues Diverse                     | radio     | DVB    | 3/4 | 27.500   |                      |                 |
|          |   |          | RFI Afrique                             | radio     | DVB    | 3/4 | 27.500   |                      |                 |
|          |   |          | RFI Diverse 2                           | radio     | DVB    | 3/4 | 27.500   |                      |                 |
|          |   |          | RFI Français                            | radio     | DVB    | 3/4 | 27.500   |                      | French          |
|          |   |          | RFI Diverse 7                           | radio     | DVB    | 3/4 | 27.500   |                      |                 |
|          |   |          | Monte Carlo Doualiya                    | radio     | DVB    | 3/4 | 27.500   |                      | Arabic          |
|          |   |          | RFI Latine                              | radio     | DVB    | 3/4 | 27.500   |                      |                 |
|          |   |          | RFI Diverse 3                           | radio     | DVB    | 3/4 | 27.500   |                      |                 |
|          |   |          | RFI Diverse 4                           | radio     | DVB    | 3/4 | 27.500   |                      |                 |
|          |   |          | RFI Musique                             | radio     | DVB    | 3/4 | 27.500   |                      |                 |
|          |   |          | RFI Diverse 1                           | radio     | DVB    | 3/4 | 27.500   |                      |                 |
| D 11.324 | V | Europe A | Multi-Channel BFBS                      | package   | DVB    | 2/3 | 27.500   | Cryptoworks          |                 |
|          |   |          | BFBS 1 Day Later                        | TV        | DVB    | 2/3 | Y 27.500 | Cryptoworks          | English         |
|          |   |          | Q                                       | TV        | DVB    | 2/3 | Y 27.500 | Cryptoworks          | English         |
|          |   |          | BFBS 1                                  | TV        | DVB    | 2/3 | Y 27.500 | Cryptoworks          | English         |
|          |   |          | BFBS 2                                  | TV        | DVB    | 2/3 | Y 27.500 | Cryptoworks          | English         |
|          |   |          | BFBS 3 Kids                             | TV        | DVB    | 2/3 | Y 27.500 | Cryptoworks          | English         |
|          |   |          | BFBS 4                                  | TV        | DVB    | 2/3 | Y 27.500 | Cryptoworks          | English         |
|          |   |          | Sky Sports 1                            | TV        | DVB    | 2/3 | Y 27.500 | Cryptoworks          | English         |
|          |   |          | Sky Sports 2                            | TV        | DVB    | 2/3 | Y 27.500 | Cryptoworks          | English         |
|          |   |          | BFBS Radio Gibraltar                    | radio     | DVB    | 2/3 | 27.500   |                      | English         |
|          |   |          | BFBS Radio Alternative Listening Cyprus | radio     | DVB    | 2/3 | 27.500   |                      | English         |
|          |   |          | BFBS Radio Middle East                  | radio     | DVB    | 2/3 | 27.500   |                      | English         |
|          |   |          | BFBS Radio Alternative Listening Europe | radio     | DVB    | 2/3 | 27.500   |                      | English         |
|          |   |          | BFBS Gurkha Radio                       | radio     | DVB    | 2/3 | 27.500   |                      |                 |

| Freq<br>(GHz)       | Pol | Beam     | Channel                                   | Analogue |                      | Audio MHz       | Text<br>MSy/s | Access                    | Lang.                         |        |                      |         |
|---------------------|-----|----------|---|----------|----------------------|-----------------|---------------|---------------------------|-------------------------------|--------|----------------------|---------|
|                     |     |          |   | Digital  | FEC                  |                 |               |                           |                               |        |                      |         |
| D 11.345            | H   | Europe A | BFBS Radio Northern Ireland               | radio    | DVB                  | 2/3             | 27.500        |                           | English                       |        |                      |         |
|                     |     |          | BFBS Radio Balkans                        | radio    | DVB                  | 2/3             | 27.500        |                           | English                       |        |                      |         |
|                     |     |          | BFBS Radio Afghanistan                    | radio    | DVB                  | 2/3             | 27.500        |                           | English                       |        |                      |         |
|                     |     |          | BFBS Radio Navy                           | radio    | DVB                  | 2/3             | 27.500        |                           | English                       |        |                      |         |
|                     |     |          | BFBS Radio Europe                         | radio    | DVB                  | 2/3             | 27.500        |                           | English                       |        |                      |         |
|                     |     |          | BFBS Radio Alternative<br>Listening World | radio    | DVB                  | 2/3             | 27.500        | Cryptoworks               | English                       |        |                      |         |
|                     |     |          | BFBS Radio Germany                        | radio    | DVB                  | 2/3             | 27.500        |                           | English                       |        |                      |         |
|                     |     |          | BFBS Radio Cyprus                         | radio    | DVB                  | 2/3             | 27.500        |                           | English                       |        |                      |         |
|                     |     |          | <u>Eutelsat</u>                           | package  | DVB                  | 2/3             | 27.500        |                           |                               |        |                      |         |
|                     |     |          | Eurosport 2 Deutschland                   | TV       | DVB                  | 2/3             | Y 27.500      | Viaccess 2.5/Viaccess 3.0 | German                        |        |                      |         |
|                     |     |          | RTS 1                                     | TV       | DVB                  | 2/3             | 27.500        |                           | French                        |        |                      |         |
|                     |     |          | Eurosport 2 Hungary & Romania             | TV       | DVB                  | 2/3             | 27.500        | Viaccess 3.0              | English                       |        |                      |         |
|                     |     |          | ORTM                                      | TV       | DVB                  | 2/3             | 27.500        |                           | French                        |        |                      |         |
|                     |     |          | Africable                                 | TV       | DVB                  | 2/3             | 27.500        |                           | French                        |        |                      |         |
|                     |     |          | 2S TV                                     | TV       | DVB                  | 2/3             | 27.500        | Viaccess 2.6              | French                        |        |                      |         |
|                     |     |          | TPA Internacional                         | TV       | DVB                  | 2/3             | 27.500        |                           | Portuguese                    |        |                      |         |
|                     |     |          | I.D.                                      | radio    | DVB                  | 2/3             | 27.500        |                           |                               |        |                      |         |
|                     |     |          | Classic                                   | radio    | DVB                  | 2/3             | 27.500        |                           |                               |        |                      |         |
|                     |     |          | Soft Pop                                  | radio    | DVB                  | 2/3             | 27.500        |                           |                               |        |                      |         |
|                     |     |          | Gold                                      | radio    | DVB                  | 2/3             | 27.500        |                           |                               |        |                      |         |
|                     |     |          | Hits Online                               | radio    | DVB                  | 2/3             | 27.500        |                           |                               |        |                      |         |
|                     |     |          | Chartbusters Radio                        | radio    | DVB                  | 2/3             | 27.500        |                           | English                       |        |                      |         |
|                     |     |          | La Radio Plus                             | radio    | DVB                  | 2/3             | 27.500        |                           | French                        |        |                      |         |
|                     |     |          | Radio Sénégal International               | radio    | DVB                  | 2/3             | 27.500        |                           | French                        |        |                      |         |
|                     |     |          | Canal A                                   | radio    | DVB                  | 2/3             | 27.500        |                           | Portuguese                    |        |                      |         |
|                     |     |          | Cocktail                                  | radio    | DVB                  | 2/3             | 27.500        |                           |                               |        |                      |         |
|                     |     |          | Mix                                       | radio    | DVB                  | 2/3             | 27.500        |                           |                               |        |                      |         |
|                     |     |          | D 11.452                                  | V        | Europe B             | <u>DigiTurk</u> | package       | DVB                       | 2/3                           | 25.066 | Cryptoworks/Irdeto 2 |         |
| Digi Kanal          | TV  | DVB      |   |          |                      | 2/3             | 25.066        |                           | Turkish                       |        |                      |         |
| Bugün TV            | TV  | DVB      |   |          |                      | 2/3             | 25.066        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
| TRT 4               | TV  | DVB      |   |          |                      | 2/3             | 25.066        |                           | Turkish                       |        |                      |         |
| E! Emea             | TV  | DVB      |   |          |                      | 2/3             | 25.066        | Cryptoworks/Irdeto 2      | English                       |        |                      |         |
| Kanal B             | TV  | DVB      |   |          |                      | 2/3             | 25.066        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
| SES TV              | TV  | DVB      |   |          |                      | 2/3             | 25.066        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
| Perviy kanal Europa | TV  | DVB      |   |          |                      | 2/3             | 25.066        | Cryptoworks/Irdeto 2      | Russian                       |        |                      |         |
| Salonda Ne Var?     | TV  | DVB      |   |          |                      | 2/3             | 25.066        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
| Yaban               | TV  | DVB      |   |          |                      | 2/3             | 25.066        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
| Halk TV             | TV  | DVB      |   |          |                      | 2/3             | 25.066        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
| TRT Çocuk           | TV  | DVB      |   |          |                      | 2/3             | 25.066        |                           | Turkish                       |        |                      |         |
| D 11.471            | H   | Europe B |   |          |                      | <u>DigiTurk</u> | package       | DVB                       | 3/4                           | 30.000 | Cryptoworks/Irdeto 2 |         |
|                     |     |          |   |          |                      | BBC Prime       | TV            | DVB                       | 3/4                           | 30.000 | Cryptoworks/Irdeto 2 | English |
|                     |     |          |   |          |                      | NTV Spor        | TV            | DVB                       | 3/4                           | 30.000 | Cryptoworks/Irdeto 2 | Turkish |
|                     |     |          | Mezzo                                     | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      |                               |        |                      |         |
|                     |     |          | Extreme Sports Channel                    | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | English                       |        |                      |         |
|                     |     |          | Eurosport 2                               | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | Turkish,English               |        |                      |         |
|                     |     |          | 24  | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
|                     |     |          | MTV Türkiye                               | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
|                     |     |          | TV Net                                    | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
|                     |     |          | E2  | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
|                     |     |          | Fashion TV Europe                         | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      |                               |        |                      |         |
|                     |     |          | EuroNews                                  | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | English,German,French,Spanish |        |                      |         |
|                     |     |          | Fox Life Turkey                           | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
| Show Gallery        | TV  | DVB      | 3/4                                       | 30.000   | Cryptoworks/Irdeto 2 | Turkish         |               |                           |                               |        |                      |         |
| D 11.492            | V   | Europe B | <u>DigiTurk</u>                           | package  | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      |                               |        |                      |         |
|                     |     |          | GS TV                                     | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
|                     |     |          | Show Plus                                 | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
|                     |     |          | TürkMax                                   | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
|                     |     |          | Lig TV                                    | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
|                     |     |          | TRT 2                                     | TV       | DVB                  | 3/4             | 30.000        |                           | Turkish                       |        |                      |         |
|                     |     |          | Zone Reality Europe                       | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | English,Turkish               |        |                      |         |
|                     |     |          | TRT 6                                     | TV       | DVB                  | 3/4             | 30.000        |                           | Kurdish                       |        |                      |         |
|                     |     |          | Samanyolu TV Türkiye                      | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
|                     |     |          | DiziMax                                   | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
|                     |     |          | Wedding TV Polska                         | TV       | DVB                  | 3/4             | 30.000        | Cryptoworks/Irdeto 2      | Turkish,English               |        |                      |         |
|                     |     |          | TRT 1                                     | TV       | DVB                  | 3/4             | Y 30.000      |                           | Turkish                       |        |                      |         |
|                     |     |          | D 11.513                                  | H        | Europe B             | <u>DigiTurk</u> | package       | DVB                       | 3/4                           | 27.500 | Cryptoworks/Irdeto 2 |         |
| Yumurcak TV         | TV  | DVB      |   |          |                      | 3/4             | 27.500        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |
| Baby TV Europe      | TV  | DVB      |   |          |                      | 3/4             | 27.500        | Cryptoworks/Irdeto 2      | Turkish,English               |        |                      |         |
| TV 5 Monde Europe   | TV  | DVB      |   |          |                      | 3/4             | 27.500        | Cryptoworks/Irdeto 2      | French                        |        |                      |         |
| Iz TV               | TV  | DVB      |   |          |                      | 3/4             | 27.500        | Cryptoworks/Irdeto 2      | Turkish                       |        |                      |         |

| Freq<br>(GHz)                   | Pol       | Beam     | Channel                             | Analogue Audio MHz |                      | Text<br>MSy/s           | Access               | Lang.                |                        |                      |                      |         |
|---------------------------------|-----------|----------|-------------------------------------|--------------------|----------------------|-------------------------|----------------------|----------------------|------------------------|----------------------|----------------------|---------|
|                                 |           |          |                                     | Digital            | FEC                  |                         |                      |                      |                        |                      |                      |         |
| D 11.534                        | V         | Europe B | Flash TV                            | TV                 | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | Crime & Investigation Network UK    | TV                 | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 | Turkish,English        |                      |                      |         |
|                                 |           |          | Power Türk TV                       | TV                 | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | BabyFirst TV                        | TV                 | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 | Turkish,English        |                      |                      |         |
|                                 |           |          | Samanyolu Haber                     | TV                 | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | Müşteri Hizmetleri                  | interacti          | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 |                        |                      |                      |         |
|                                 |           |          | IBB Trafik                          | interacti          | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 |                        |                      |                      |         |
|                                 |           |          | Jojo Interaktif                     | interacti          | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 |                        |                      |                      |         |
|                                 |           |          | Yemek Sepeti                        | interacti          | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 |                        |                      |                      |         |
|                                 |           |          | TV Haber                            | interacti          | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 |                        |                      |                      |         |
|                                 |           |          | TV Hava Durumu                      | interacti          | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 |                        |                      |                      |         |
|                                 |           |          | Halk Bankasi                        | interacti          | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 |                        |                      |                      |         |
|                                 |           |          | Digiaktif                           | interacti          | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 |                        |                      |                      |         |
|                                 |           |          | Digiposta                           | interacti          | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 |                        |                      |                      |         |
|                                 |           |          | Masal TV                            | interacti          | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | Süper Lig Bilgi Kanali              | interacti          | DVB                  | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 |                        |                      |                      |         |
|                                 |           |          | <u>DigiTurk</u> package             | DVB                | 3/4                  | 30.000                  | Cryptoworks/Irdeto 2 |                      |                        |                      |                      |         |
|                                 |           |          | TV 8                                | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | MovieMax 1                          | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | Bloomberg TV Europe                 | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | English                |                      |                      |         |
|                                 |           |          | TRT 3                               | TV                 | DVB                  | 3/4                     | 30.000               |                      | Turkish                |                      |                      |         |
|                                 |           |          | Cartoon Network Türkiye             | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | BBC World News                      | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | English                |                      |                      |         |
|                                 |           |          | CNN Türk                            | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | CNBC-E                              | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | Kanalurk                            | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | NTV Türkiye                         | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | Kral TV                             | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | 6 News                              | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | TV Finans                           | interacti          | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 |                        |                      |                      |         |
|                                 |           |          | D 11.554                            | H                  | Europe B             | <u>DigiTurk</u> package | DVB                  | 3/4                  | 27.500                 | Cryptoworks/Irdeto 2 |                      |         |
|                                 |           |          |                                     |                    |                      | Digiturk Info TV        | TV                   | DVB                  | 3/4                    | 27.500               | Cryptoworks/Irdeto 2 |         |
|                                 |           |          |                                     |                    |                      | Cine 5                  | TV                   | DVB                  | 3/4                    | 27.500               | Cryptoworks/Irdeto 2 | Turkish |
| Kanal A                         | TV        | DVB      |                                     |                    |                      | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
| Kanal Biz                       | TV        | DVB      |                                     |                    |                      | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
| Saudi Arabian TV 1              | TV        | DVB      |                                     |                    |                      | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 | Arabic                 |                      |                      |         |
| Akilli TV                       | TV        | DVB      |                                     |                    |                      | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
| Cem TV                          | TV        | DVB      |                                     |                    |                      | 3/4                     | 27.500               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
| Radio Banca Popolare di Vicenza | radio     | DVB      |                                     |                    |                      | 3/4                     | 27.500               |                      | Italian                |                      |                      |         |
| <u>DigiTurk</u> package         | DVB       | 3/4      |                                     |                    |                      | 30.000                  | Cryptoworks/Irdeto 2 |                      |                        |                      |                      |         |
| D 11.575                        | V         | Europe B | Show TV                             | TV                 | DVB                  | 3/4                     | Y 30.000             | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | Kanal D                             | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | Salon 1                             | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | Salon 2                             | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | Jetix Türkiye                       | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish,English        |                      |                      |         |
|                                 |           |          | Show Max                            | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | NBA TV                              | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | English                |                      |                      |         |
|                                 |           |          | Jetix Play                          | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish,English,Polish |                      |                      |         |
|                                 |           |          | Vip TV                              | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 |                        |                      |                      |         |
|                                 |           |          | Touch TV                            | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | <u>DigiTurk</u> package             | DVB                | 3/4                  | 30.000                  | Cryptoworks/Irdeto 2 |                      |                        |                      |                      |         |
|                                 |           |          | Lig TV Ticari                       | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | SporMax                             | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
|                                 |           |          | Fox Sports Turkey                   | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish,English        |                      |                      |         |
|                                 |           |          | TGRT Haber                          | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | Turkish                |                      |                      |         |
| Habertürk                       | TV        | DVB      | 3/4                                 | 30.000             | Cryptoworks/Irdeto 2 | Turkish                 |                      |                      |                        |                      |                      |         |
| FBTV                            | TV        | DVB      | 3/4                                 | 30.000             | Cryptoworks/Irdeto 2 | Turkish                 |                      |                      |                        |                      |                      |         |
| MyMax                           | TV        | DVB      | 3/4                                 | 30.000             | Cryptoworks/Irdeto 2 | Turkish,English         |                      |                      |                        |                      |                      |         |
| GoldMax 2                       | TV        | DVB      | 3/4                                 | 30.000             | Cryptoworks/Irdeto 2 | Turkish                 |                      |                      |                        |                      |                      |         |
| TJK TV                          | TV        | DVB      | 3/4                                 | 30.000             |                      | Turkish                 |                      |                      |                        |                      |                      |         |
| CNN International Europe        | TV        | DVB      | 3/4                                 | 30.000             | Cryptoworks/Irdeto 2 | English                 |                      |                      |                        |                      |                      |         |
| Rai Uno                         | TV        | DVB      | 3/4                                 | 30.000             | Cryptoworks/Irdeto 2 | Italian                 |                      |                      |                        |                      |                      |         |
| Al Jazeera English              | TV        | DVB      | 3/4                                 | 30.000             | Cryptoworks/Irdeto 2 | English                 |                      |                      |                        |                      |                      |         |
| Bilyoner.com                    | interacti | DVB      | 3/4                                 | 30.000             | Cryptoworks/Irdeto 2 |                         |                      |                      |                        |                      |                      |         |
| Hipodrom ITV                    | interacti | DVB      | 3/4                                 | 30.000             | Cryptoworks/Irdeto 2 |                         |                      |                      |                        |                      |                      |         |
| D 11.617                        | V         | Europe B | <u>DigiTurk</u> package             | DVB                | 3/4                  | 30.000                  | Cryptoworks/Irdeto 2 |                      |                        |                      |                      |         |
|                                 |           |          | MCM Top                             | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | French                 |                      |                      |         |
|                                 |           |          | VH1 Europe A                        | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | English                |                      |                      |         |
|                                 |           |          | National Geographic Channel Türkiye | TV                 | DVB                  | 3/4                     | 30.000               | Cryptoworks/Irdeto 2 | English,Turkish        |                      |                      |         |

| Freq<br>(GHz) | Pol | Beam     | Channel                     | Analogue Audio MHz |     | Text<br>MSy/s | Access                      | Lang.           |
|---------------|-----|----------|-----------------------------|--------------------|-----|---------------|-----------------------------|-----------------|
|               |     |          |                             | Digital            | FEC |               |                             |                 |
|               |     |          | Nat Geo Wild Türkiye        | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish,English |
|               |     |          | Nickelodeon Türkiye         | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish,English |
|               |     |          | Mehtap TV                   | TV                 | DVB | 3/4           | 30.000                      | Turkish         |
|               |     |          | Home TV                     | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | TRT Türk                    | TV                 | DVB | 3/4           | 30.000                      | Turkish         |
|               |     |          | The History Channel Turkey  | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish,English |
|               |     |          | Aquavision                  | TV                 | DVB | 3/4           | 30.000                      |                 |
|               |     |          | Star TV                     | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | Alem FM                     | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | Masal Radyo                 | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | Jazz Classics               | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Opera                       | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Smooth Jazz                 | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Symphonic                   | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | R&B                         | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | International               | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Yoga Zone                   | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Easy Listening              | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Hip Hop R&B                 | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Chill Out/Lounge            | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Dance                       | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Dance Classics              | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Latin                       | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Lig Radyo                   | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | Blues                       | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Radyo Spor                  | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | Nu Jazz                     | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Classical Rock              | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Hard Rock                   | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Alternative Rock            | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Classical Music             | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Standards                   | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | 70's Hits                   | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | 90's Hits                   | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | 2000's Hits                 | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Songs of Love               | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Radio Time                  | radio              | DVB | 3/4           | 30.000                      | Turkish         |
|               |     |          | Arion Radio                 | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Greek           |
|               |     |          | 80's Hits                   | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Reggae                      | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | 50's/60's Hits              | radio              | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Kanal 532                   | interacti          | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
| D 11.637      | H   | Europe B | <u>DigiTurk</u>             | package            | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Pro Sieben Schweiz          | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | German          |
|               |     |          | Jolly Tatil TV              | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | Yacht & Sail International  | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | English,French  |
|               |     |          | Business TV                 | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | Jojo                        | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | TRT Avaz                    | TV                 | DVB | 3/4           | 30.000                      | Turkish         |
|               |     |          | Avrasya TV                  | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | The MGM Channel East Europe | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | GoldMax                     | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | ActionMax                   | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | Kanal 1                     | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | Intimacy                    | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | Digioyun                    | interacti          | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
| D 11.678      | H   | Europe B | <u>DigiTurk</u>             | package            | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 |                 |
|               |     |          | Dream TV                    | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | ATV Türkiye                 | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | Kanal 7                     | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | Eurosport                   | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish,English |
|               |     |          | Disney Channel Turkey       | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | Ülke TV                     | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | MovieMax 2                  | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | ComedyMax                   | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | English         |
|               |     |          | Salon 3                     | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
|               |     |          | Sky Turk                    | TV                 | DVB | 3/4           | 30.000                      | Turkish         |
|               |     |          | Fox Türkiye                 | TV                 | DVB | 3/4           | 30.000 Cryptoworks/Irdeto 2 | Turkish         |
| D 12.520      | V   | Africa   | Skylogic                    | interacti          | DVB | 1/2           | 27.500                      |                 |
| D 12.645      | V   | Africa   | <u>Televisa Networks</u>    | package            | DVB | ?             | 30.000                      |                 |

| Freq<br>(GHz) | Pol   | Beam   | Channel                      | Analogue |     | Audio MHz | Text<br>MSy/s | Access | Lang.      |
|---------------|-------|--------|------------------------------|----------|-----|-----------|---------------|--------|------------|
|               |       |        |                              | Digital  | FEC |           |               |        |            |
| D 12.728      | V     | Africa | Ritmoson Latino              | TV       | DVB | ?         | 30.000        |        | Spanish    |
|               |       |        | TL Novelas Europa            | TV       | DVB | ?         | 30.000        |        | Spanish    |
|               |       |        | TeleHit                      | TV       | DVB | ?         | 30.000        |        | Spanish    |
|               |       |        | De Película Europa/Australia | TV       | DVB | ?         | 30.000        |        | Spanish    |
|               |       |        | Clásico TV                   | TV       | DVB | ?         | 30.000        |        | Spanish    |
|               |       |        | <u>Free2View</u>             | package  | DVB | 5/6       | 30.000        |        |            |
|               |       |        | MTA International            | TV       | DVB | 5/6       | 30.000        |        | Urdu       |
|               |       |        | RTS 1                        | TV       | DVB | 5/6       | 30.000        |        | French     |
|               |       |        | TV Zimbo                     | TV       | DVB | 5/6       | 30.000        |        | Portuguese |
|               |       |        | P Sat TV                     | TV       | DVB | 5/6       | 30.000        |        |            |
|               |       |        | 2S TV                        | TV       | DVB | 5/6       | 30.000        |        | French     |
|               |       |        | La Chaîne de Futur           | TV       | DVB | 5/6       | 30.000        |        | French     |
|               |       |        | TPA Internacional            | TV       | DVB | 5/6       | 30.000        |        | Portuguese |
|               |       |        | RFI Océan Indien             | radio    | DVB | 5/6       | 30.000        |        | French     |
|               |       |        | Radio Sénégal International  | radio    | DVB | 5/6       | 30.000        |        | French     |
|               |       |        | City FM                      | radio    | DVB | 5/6       | 30.000        |        | French     |
|               |       |        | Origine FM                   | radio    | DVB | 5/6       | 30.000        |        |            |
| RFI Afrique   | radio | DVB    | 5/6                          | 30.000   |     | French    |               |        |            |

#### W4 (36°EAST)

|                             |    |         |                         |         |         |                  |         |                                    |                 |        |       |         |
|-----------------------------|----|---------|-------------------------|---------|---------|------------------|---------|------------------------------------|-----------------|--------|-------|---------|
| D 11.727                    | L  | Russia  | <u>Poverkhnost Plus</u> | package | DVB     | 3/4              | 27.500  | Irdeto 2/Viaccess 2.5/Viaccess 2.6 |                 |        |       |         |
|                             |    |         | Biz TV                  | TV      | DVB     | 3/4              | 27.500  |                                    | Russian         |        |       |         |
|                             |    |         | Expert TV               | TV      | DVB     | 3/4              | 27.500  |                                    | Russian         |        |       |         |
|                             |    |         | ChP Info                | TV      | DVB     | 3/4              | 27.500  |                                    | Russian         |        |       |         |
|                             |    |         | TV 3                    | TV      | DVB     | 3/4              | 27.500  |                                    | Russian         |        |       |         |
|                             |    |         | TVI                     | TV      | DVB     | 3/4              | 27.500  | Irdeto 2/Viaccess 2.5              | Russian         |        |       |         |
|                             |    |         | Futbol                  | TV      | DVB     | 3/4              | 27.500  | Viaccess 2.5/Viaccess 2.6          | Ukrainian       |        |       |         |
|                             |    |         | Pershyy Avtomobilniy    | TV      | DVB     | 3/4              | 27.500  |                                    | Ukrainian       |        |       |         |
|                             |    |         | Sport 2                 | TV      | DVB     | 3/4              | 27.500  | Irdeto 2/Viaccess 2.5              | Ukrainian       |        |       |         |
|                             |    |         | Sport 1                 | TV      | DVB     | 3/4              | 27.500  | Irdeto 2/Viaccess 2.5              | Ukrainian       |        |       |         |
|                             |    |         | Shanson TV              | TV      | DVB     | 3/4              | 27.500  |                                    | Russian         |        |       |         |
|                             |    |         | Top Shop TV Russia      | TV      | DVB     | 3/4              | 27.500  |                                    | Russian         |        |       |         |
|                             |    |         | D 11.747                | H       | Nigeria | <u>Trend TV</u>  | package | DVB                                | 1/2             | 27.500 | Conax |         |
|                             |    |         |                         |         |         | Nollywood Movies | TV      | DVB                                | 1/2             | 27.500 | Conax | English |
| CNBC Africa                 | TV | DVB     |                         |         |         | 1/2              | 27.500  | Conax                              | English         |        |       |         |
| PFC Internacional           | TV | DVB     |                         |         |         | 1/2              | 27.500  | Conax                              | Portuguese      |        |       |         |
| NBA TV                      | TV | DVB     |                         |         |         | 1/2              | 27.500  | Conax                              | English         |        |       |         |
| EWTN Africa & South Asia    | TV | DVB     |                         |         |         | 1/2              | 27.500  | Conax                              | English         |        |       |         |
| Trace TV                    | TV | DVB     |                         |         |         | 1/2              | 27.500  | Conax                              | French          |        |       |         |
| Fashion TV                  | TV | DVB     |                         |         |         | 1/2              | 27.500  | Conax                              |                 |        |       |         |
| Fox News Channel            | TV | DVB     |                         |         |         | 1/2              | 27.500  | Conax                              | English         |        |       |         |
| BBC World News              | TV | DVB     |                         |         |         | 1/2              | 27.500  | Conax                              | English         |        |       |         |
| Baby TV Europe              | TV | DVB     |                         |         |         | 1/2              | 27.500  | Conax                              | English         |        |       |         |
| The MGM Channel Middle East | TV | DVB     |                         |         |         | 1/2              | 27.500  | Conax                              | English         |        |       |         |
| Fox Sports Africa           | TV | DVB     |                         |         |         | 1/2              | 27.500  | Conax                              | English         |        |       |         |
| Onzéo                       | TV | DVB     |                         |         |         | 1/2              | 27.500  | Conax                              | French          |        |       |         |
| Luxe TV UK                  | TV | DVB     | 1/2                     | 27.500  | Conax   | English          |         |                                    |                 |        |       |         |
| D 11.900                    | H  | Nigeria | <u>HiTV</u>             | package | DVB     | 7/8              | 27.500  | Conax                              |                 |        |       |         |
|                             |    |         | BBC World News          | TV      | DVB     | 7/8              | 27.500  | Conax                              | English         |        |       |         |
|                             |    |         | Hi Sports 2             | TV      | DVB     | 7/8              | 27.500  | Conax                              | English         |        |       |         |
|                             |    |         | Animax South Africa     | TV      | DVB     | 7/8              | 27.500  | Conax                              | English         |        |       |         |
|                             |    |         | SET Africa              | TV      | DVB     | 7/8              | 27.500  | Conax                              | English         |        |       |         |
|                             |    |         | Zee Cinema UK           | TV      | DVB     | 7/8              | 27.500  | Conax                              | Hindi           |        |       |         |
|                             |    |         | Hi Mix                  | TV      | DVB     | 7/8              | 27.500  | Conax                              | English         |        |       |         |
|                             |    |         | Hi Nolly                | TV      | DVB     | 7/8              | 27.500  | Conax                              | English         |        |       |         |
|                             |    |         | Hi Soccer               | TV      | DVB     | 7/8              | 27.500  | Conax                              | English         |        |       |         |
|                             |    |         | Hi Sports               | TV      | DVB     | 7/8              | 27.500  | Conax                              | English         |        |       |         |
|                             |    |         | Setanta Africa          | TV      | DVB     | 7/8              | 27.500  | Conax                              |                 |        |       |         |
|                             |    |         | Eurosport News          | TV      | DVB     | 7/8              | 27.500  | Conax                              | English         |        |       |         |
|                             |    |         | Al Jazeera English      | TV      | DVB     | 7/8              | 27.500  | Conax                              | English         |        |       |         |
|                             |    |         | CNBC Africa             | TV      | DVB     | 7/8              | 27.500  | Conax                              | English         |        |       |         |
| Sky News International      | TV | DVB     | 7/8                     | 27.500  | Conax   | English          |         |                                    |                 |        |       |         |
| Fox News Channel            | TV | DVB     | 7/8                     | 27.500  | Conax   | English          |         |                                    |                 |        |       |         |
| D 12.073                    | L  | Russia  | <u>NTV Plus</u>         | package | DVB-S2  | 3/4              | 27.500  | Viaccess 2.6/Viaccess 3.0          |                 |        |       |         |
|                             |    |         | HD Life                 | TV      | DVB-S2  | 3/4              | 27.500  | Viaccess 2.6/Viaccess 3.0          | Russian         |        |       |         |
|                             |    |         | HD Sport                | TV      | DVB-S2  | 3/4              | 27.500  | Viaccess 2.6/Viaccess 3.0          | Russian         |        |       |         |
|                             |    |         | HD Kino                 | TV      | DVB-S2  | 3/4              | 27.500  | Viaccess 2.6/Viaccess 3.0          | Russian         |        |       |         |
|                             |    |         | Discovery HD Europe     | TV      | DVB-S2  | 3/4              | 27.500  | Viaccess 2.6/Viaccess 3.0          | Russian,English |        |       |         |
|                             |    |         | Eurosport               | TV      | DVB-S2  | 3/4              | 27.500  | Viaccess 2.6/Viaccess 3.0          | Russian         |        |       |         |

| Freq (GHz)              | Pol   | Beam    | Channel  | Analogue |          | Audio MHz                 | Text MSy/s | Access                | Lang.     |        |           |         |
|-------------------------|-------|---------|--|----------|----------|---------------------------|------------|-----------------------|-----------|--------|-----------|---------|
|                         |       |         |  | Digital  | FEC      |                           |            |                       |           |        |           |         |
| D 12.111                | L     | Russia  | <u>Poverkhnost Plus</u>                        | package  | DVB-S2   | 3/4                       | 27.500     | Irdeto 2/Viaccess 2.5 |           |        |           |         |
|                         |       |         | M1   | TV       | DVB-S2   | 3/4                       | 27.500     | Irdeto 2              | Ukrainian |        |           |         |
|                         |       |         | National Geographic Channel HD Russia & Turkey | TV       | DVB-S2   | 3/4                       | 27.500     | Irdeto 2              | Russian   |        |           |         |
|                         |       |         | TRK Ukraina                                    | TV       | DVB-S2   | 3/4                       | 27.500     | Irdeto 2              | Ukrainian |        |           |         |
|                         |       |         | Citi   | TV       | DVB-S2   | 3/4                       | 27.500     | Irdeto 2              | Ukrainian |        |           |         |
|                         |       |         | Kino   | TV       | DVB-S2   | 3/4                       | 27.500     | Irdeto 2              | Ukrainian |        |           |         |
|                         |       |         | 1+1  | TV       | DVB-S2   | 3/4                       | 27.500     | Irdeto 2              | Ukrainian |        |           |         |
|                         |       |         | M2 Estrada                                     | TV       | DVB-S2   | 3/4                       | 27.500     | Irdeto 2              | Ukrainian |        |           |         |
|                         |       |         | Telekanal STB                                  | TV       | DVB-S2   | 3/4                       | 27.500     | Irdeto 2              | Ukrainian |        |           |         |
|                         |       |         | Novy Kanal                                     | TV       | DVB-S2   | 3/4                       | 27.500     | Irdeto 2              | Ukrainian |        |           |         |
|                         |       |         | ICTV   | TV       | DVB-S2   | 3/4                       | 27.500     | Irdeto 2              | Ukrainian |        |           |         |
|                         |       |         | Eurosport                                      | TV       | DVB-S2   | 3/4                       | 27.500     | Irdeto 2/Viaccess 2.5 | Russian   |        |           |         |
|                         |       |         | Music HD                                       | TV       | DVB-S2   | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | Sport HD                                       | TV       | DVB-S2   | 3/4                       | 27.500     | Irdeto 2/Viaccess 2.5 | Ukrainian |        |           |         |
|                         |       |         | D 12.130                                       | H        | Nigeria  | <u>HiTV</u>               | package    | DVB                   | 7/8       | 27.500 | Conax     |         |
|                         |       |         |  |          |          | DoveVision                | TV         | DVB                   | 7/8       | 27.500 | Conax     | English |
| Amuludun TV             | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 |           |        |           |         |
| BET UK                  | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 | English   |        |           |         |
| Hi Kids                 | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 | English   |        |           |         |
| Nickelodeon             | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 | English   |        |           |         |
| KidsCo                  | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 |           |        |           |         |
| Discovery World         | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 | English   |        |           |         |
| Biscon World            | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 | English   |        |           |         |
| Hi Life                 | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 | English   |        |           |         |
| ACBN                    | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 | English   |        |           |         |
| KokoMansion TV 2        | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 | English   |        |           |         |
| KokoMansion TV          | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 | English   |        |           |         |
| Trace TV                | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 | French    |        |           |         |
| Nigezie                 | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 | English   |        |           |         |
| EI Emea                 | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 | English   |        |           |         |
| God TV Europe           | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 | English   |        |           |         |
| TV Continental          | TV    | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 |           |        |           |         |
| Brila FM                | radio | DVB     |  |          |          | 7/8                       | 27.500     | Conax                 |           |        |           |         |
| D 12.169                | H     | Nigeria |  |          |          | <u>MultiChoice Africa</u> | package    | DVB                   | 3/4       | 27.500 | Irdeto 2  |         |
|                         |       |         | ESPN Classic Europe                            | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | Lagos TV                                       | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | SuperSport 10                                  | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | CBeebies South Africa                          | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | Nat Geo Wild Europe                            | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | Ghana TV                                       | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | Islam Channel                                  | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | BBC Knowledge South Africa                     | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | Inspiration Network International              | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | BET UK   | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | Max UK   | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | Hindi     |        |           |         |
|                         |       |         | CNBC Africa                                    | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | Trace TV                                       | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | French    |        |           |         |
|                         |       |         | SuperSport 3 Nigeria                           | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | D 12.190                                       | L        | Russia   | <u>Tricolor TV</u>        | package    | DVB                   | 3/4       | 20.000 | DRE-Crypt |         |
| Mat i Ditya             | TV    | DVB     |  |          |          | 3/4                       | 20.000     | DRE-Crypt             | Russian   |        |           |         |
| Nochnoy Club            | TV    | DVB     |  |          |          | 3/4                       | 20.000     | DRE-Crypt             | Russian   |        |           |         |
| Russkaya Noch           | TV    | DVB     |  |          |          | 3/4                       | 20.000     | DRE-Crypt             | Russian   |        |           |         |
| Kanal Teleputeshestviya | TV    | DVB     |  |          |          | 3/4                       | 20.000     | DRE-Crypt             | Russian   |        |           |         |
| Veseloe TV              | TV    | DVB     |  |          |          | 3/4                       | 20.000     | DRE-Crypt             | Russian   |        |           |         |
| Teen TV                 | TV    | DVB     |  |          |          | 3/4                       | 20.000     | DRE-Crypt             | Russian   |        |           |         |
| Komedia TV              | TV    | DVB     |  |          |          | 3/4                       | 20.000     | DRE-Crypt             | Russian   |        |           |         |
| Auto Plus               | TV    | DVB     |  |          |          | 3/4                       | 20.000     | DRE-Crypt             | Russian   |        |           |         |
| Telenyanya              | TV    | DVB     |  |          |          | 3/4                       | 20.000     | DRE-Crypt             | Russian   |        |           |         |
| Mnogo TV                | TV    | DVB     |  |          |          | 3/4                       | 20.000     | DRE-Crypt             | Russian   |        |           |         |
| Dom Kino                | TV    | DVB     |  |          |          | 3/4                       | 20.000     | DRE-Crypt             | Russian   |        |           |         |
| 365 dnei TV             | TV    | DVB     |  |          |          | 3/4                       | 20.000     | DRE-Crypt             | Russian   |        |           |         |
| D 12.207                | H     | Nigeria |  |          |          | <u>MultiChoice Africa</u> | package    | DVB                   | 3/4       | 27.500 | Irdeto 2  |         |
|                         |       |         | Eurosport News                                 | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | Metro TV                                       | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              |           |        |           |         |
|                         |       |         | Iqraa  | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | Arabic    |        |           |         |
|                         |       |         | NTA 2  | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | Soundcity Music Channel                        | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | MITV   | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
|                         |       |         | AIT International UK                           | TV       | DVB      | 3/4                       | 27.500     | Irdeto 2              | English   |        |           |         |
| Rhythm FM               | radio | DVB     | 3/4  | 27.500   | Irdeto 2 | English                   |            |                       |           |        |           |         |

| Freq<br>(GHz)       | Pol     | Beam   | Channel                               | Analogue  |          | Audio MHz          | Text<br>MSy/s | Access                                 | Lang.           |
|---------------------|---------|--------|---------------------------------------|-----------|----------|--------------------|---------------|--|-----------------|
|                     |         |        |                                       | Digital   | FEC      |                    |               |  |                 |
| D 12.207            | R       | Russia | Ray Power 106.5 FM                    | radio     | DVB      | 3/4                | 27.500        | Irdeto 2                               | English         |
|                     |         |        | Star FM                               | radio     | DVB      | 3/4                | 27.500        | Irdeto 2                               | English         |
|                     |         |        | M-Web                                 | interacti | DVB      | 3/4                | 27.500        | Irdeto 2                               |                 |
|                     |         |        | <u>Poverkhnost Plus</u>               | package   | DVB-S2   | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  |                 |
|                     |         |        | Hallmark Channel Russia & Middle East | TV        | DVB-S2   | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  | Russian         |
|                     |         |        | RBK TV                                | TV        | DVB-S2   | 3/4                | 27.500        | Irdeto 2                               | Russian         |
|                     |         |        | The MGM Channel East Europe           | TV        | DVB-S2   | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  | Russian         |
|                     |         |        | Travel Channel                        | TV        | DVB-S2   | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  | Russian         |
|                     |         |        | EuroNews                              | TV        | DVB-S2   | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  | Russian,English |
|                     |         |        | ESPN America UK                       | TV        | DVB-S2   | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  | English         |
|                     |         |        | Nickelodeon CIS                       | TV        | DVB-S2   | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  | Russian         |
|                     |         |        | National Geographic Channel Russia    | TV        | DVB-S2   | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  | Russian         |
|                     |         |        | RTV International Europe              | TV        | DVB-S2   | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  | Russian         |
|                     |         |        | TCM Europe                            | TV        | DVB-S2   | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  | English         |
|                     |         |        | Eurosport Russia                      | TV        | DVB-S2   | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  | Russian         |
|                     |         |        | Eurosport 2                           | TV        | DVB-S2   | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  | Russian         |
|                     |         |        | Hustler TV Europe                     | TV        | DVB-S2   | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  | English         |
|                     |         |        | XXL                                   | TV        | DVB-S2   | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  | French          |
|                     |         |        | Biz TV                                | TV        | DVB-S2   | 3/4                | 27.500        |  | Russian         |
|                     |         |        | D 12.226                              | L         | Russia   | Cartoon Network UK | TV            | DVB-S2                                 | 3/4             |
| TRK Kyiv            | TV      | DVB-S2 |                                       |           |          | 3/4                | 27.500        | Irdeto 2/Viaccess 2.5                  | Russian         |
| <u>Tricolor TV</u>  | package | DVB    |                                       |           |          | 3/4                | 27.500        | DRE-Crypt                              |                 |
| 5 Kanal             | TV      | DVB    |                                       |           |          | 3/4                | 27.500        | DRE-Crypt                              | Russian         |
| REN TV              | TV      | DVB    |                                       |           |          | 3/4                | 27.500        | DRE-Crypt                              | Russian         |
| Telekanal Sport     | TV      | DVB    |                                       |           |          | 3/4                | 27.500        | DRE-Crypt                              | Russian         |
| Bibigon             | TV      | DVB    |                                       |           |          | 3/4                | 27.500        | DRE-Crypt                              | Russian         |
| Vesti               | TV      | DVB    |                                       |           |          | 3/4                | 27.500        | DRE-Crypt                              | Russian         |
| Muz TV              | TV      | DVB    |                                       |           |          | 3/4                | 27.500        | DRE-Crypt                              | Russian         |
| TNT                 | TV      | DVB    |                                       |           |          | 3/4                | 27.500        | DRE-Crypt                              | Russian         |
| Kultura Telekanal   | TV      | DVB    |                                       |           |          | 3/4                | 27.500        | DRE-Crypt                              | Russian         |
| NTV                 | TV      | DVB    |                                       |           |          | 3/4                | 27.500        | DRE-Crypt                              | Russian         |
| Telekanal Rossiya   | TV      | DVB    |                                       |           |          | 3/4                | 27.500        | DRE-Crypt                              | Russian         |
| Perviy kanal        | TV      | DVB    |                                       |           |          | 3/4                | 27.500        | DRE-Crypt                              |                 |
| TV Centr            | TV      | DVB    |                                       |           |          | 3/4                | 27.500        | DRE-Crypt                              | Russian         |
| D 12.245            | R       | Russia | Tricolor TV Infokanal                 | TV        | DVB      | 3/4                | 27.500        |  | Russian         |
|                     |         |        | DTV                                   | TV        | DVB      | 3/4                | 27.500        | DRE-Crypt                              | Russian         |
|                     |         |        | <u>NTV Plus</u>                       | package   | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |                 |
|                     |         |        | KinoHit                               | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | BBC World News                        | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | English         |
|                     |         |        | World Fashion Channel Russia          | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | Russia Today                          | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | English         |
|                     |         |        | Detski Mir                            | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | TeleKlub                              | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | Nickelodeon CIS                       | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,English |
| D 12.265            | L       | Russia | TV 5 Monde Europe                     | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | French          |
|                     |         |        | Eurosport 2                           | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | Nashe Novoe Kino                      | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | NTV Mir                               | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | Bloomberg TV Europe                   | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | English         |
|                     |         |        | <u>NTV Plus</u>                       | package   | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |                 |
|                     |         |        | Rusiya Al-Yaum                        | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Arabic          |
|                     |         |        | RBK TV                                | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | TV Centr Moskva                       | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | Bibigon                               | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | 3 Kanal                               | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | Perviy Meteo                          | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
| D 12.284            | H       | Africa | Mir                                   | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | 5 Kanal                               | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | Muzyka                                | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | Dom Kino                              | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | Telenyanya                            | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | TV Sale                               | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | VH1 Rossiya                           | TV        | DVB      | 3/4                | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |
|                     |         |        | Radio Zenit                           | radio     | DVB      | 3/4                | 27.500        |  | Russian         |
|                     |         |        | Detskoe Radio                         | radio     | DVB      | 3/4                | 27.500        |  | Russian         |
|                     |         |        | <u>MultiChoice Africa</u>             | package   | DVB      | 1/2                | 26.480        | Irdeto 2                               |                 |
|                     |         |        | Sky News International                | TV        | DVB      | 1/2                | 26.480        | Irdeto 2                               | English         |
|                     |         |        | Magic World                           | TV        | DVB      | 1/2                | 26.480        | Irdeto 2                               | English         |
| SuperSport 5 Africa | TV      | DVB    | 1/2                                   | 26.480    | Irdeto 2 | English            |               |  |                 |

| Freq (GHz) | Pol | Beam   | Channel                                  | Analogue  |        | Audio MHz | Text MSy/s | Access                                 | Lang.     |
|------------|-----|--------|--|-----------|--------|-----------|------------|--|-----------|
|            |     |        |  | Digital   | FEC    |           |            |  |           |
| D 12.284   | R   | Russia | K All Day                                | TV        | DVB    | 1/2       | 26.480     | Irdeto 2                               | English   |
|            |     |        | Go                                       | TV        | DVB    | 1/2       | 26.480     | Irdeto 2                               | English   |
|            |     |        | National Geographic Channel South Africa | TV        | DVB    | 1/2       | 26.480     | Irdeto 2                               | English   |
|            |     |        | Africa Magic Plus                        | TV        | DVB    | 1/2       | 26.480     | Irdeto 2                               | English   |
|            |     |        | SuperSport Blitz                         | TV        | DVB    | 1/2       | 26.480     | Irdeto 2                               | English   |
|            |     |        | SuperSport 7 Africa                      | TV        | DVB    | 1/2       | 26.480     | Irdeto 2                               | English   |
|            |     |        | Zone Reality South Africa                | TV        | DVB    | 1/2       | 26.480     | Irdeto 2                               | English   |
|            |     |        | <u>NTV Plus</u>                          | package   | DVB    | 3/4       | 27.500     | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |           |
|            |     |        | ICTV                                     | TV        | DVB    | 3/4       | 27.500     | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Ukrainian |
|            |     |        | RTR Planeta Ukraina                      | TV        | DVB    | 3/4       | 27.500     | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian   |
|            |     |        | Vremya                                   | TV        | DVB    | 3/4       | 27.500     | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian   |
|            |     |        | Perviy kanal Ukraina                     | TV        | DVB    | 3/4       | 27.500     | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian   |
|            |     |        | 5 Kanal                                  | TV        | DVB    | 3/4       | 27.500     | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Ukrainian |
|            |     |        | NTN                                      | TV        | DVB    | 3/4       | 27.500     | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Ukrainian |
|            |     |        | CCTV 9                                   | TV        | DVB    | 3/4       | 27.500     | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | English   |
|            |     |        | CCTV 4 Europe                            | TV        | DVB    | 3/4       | 27.500     | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Chinese   |
|            |     |        | Park Razvlicenii                         | TV        | DVB    | 3/4       | 27.500     | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian   |
|            |     |        | Sovershenno Sekretno                     | TV        | DVB    | 3/4       | 27.500     | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian   |
|            |     |        | Megasport                                | TV        | DVB    | 3/4       | 27.500     | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Ukrainian |
|            |     |        | D 12.303                                 | L         | Russia | Soyuz     | TV         | DVB                                    | 3/4       |
| D 12.303   | L   | Russia | Telekanal India                          | TV        | DVB    | 3/4       | 27.500     | DRE-Crypt                              | Russian   |
| D 12.303   | L   | Russia | STS                                      | TV        | DVB    | 3/4       | 27.500     | DRE-Crypt                              | Russian   |
| D 12.303   | L   | Russia | Telekanal Domashniy                      | TV        | DVB    | 3/4       | 27.500     | DRE-Crypt                              | Russian   |
| D 12.303   | L   | Russia | Zoo TV                                   | TV        | DVB    | 3/4       | 27.500     | DRE-Crypt                              | Russian   |
| D 12.303   | L   | Russia | Tonus TV                                 | TV        | DVB    | 3/4       | 27.500     | DRE-Crypt                              | Russian   |
| D 12.303   | L   | Russia | Kinopokaz                                | TV        | DVB    | 3/4       | 27.500     | DRE-Crypt                              | Russian   |
| D 12.303   | L   | Russia | Boets                                    | TV        | DVB    | 3/4       | 27.500     | DRE-Crypt                              | Russian   |
| D 12.303   | L   | Russia | 7 TV                                     | TV        | DVB    | 3/4       | 27.500     |  | Russian   |
| D 12.303   | L   | Russia | Bridge TV                                | TV        | DVB    | 3/4       | 27.500     |  | Russian   |
| D 12.303   | L   | Russia | A-One                                    | TV        | DVB    | 3/4       | 27.500     |  | Russian   |
| D 12.303   | L   | Russia | Radio Alla                               | radio     | DVB    | 3/4       | 27.500     |  | Russian   |
| D 12.303   | L   | Russia | Avtoradio Moskva                         | radio     | DVB    | 3/4       | 27.500     |  | Russian   |
| D 12.303   | L   | Russia | Radio Voskresenie                        | radio     | DVB    | 3/4       | 27.500     |  | Russian   |
| D 12.303   | L   | Russia | Humor FM                                 | radio     | DVB    | 3/4       | 27.500     |  | Russian   |
| D 12.303   | L   | Russia | NRJ Russia                               | radio     | DVB    | 3/4       | 27.500     |  | Russian   |
| D 12.303   | L   | Russia | OTIK                                     | interacti | DVB    | 3/4       | 27.500     | DRE-Crypt                              |           |
| D 12.322   | H   | Africa | <u>MultiChoice Africa</u>                | package   | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Al Jazeera English                       | TV        | DVB    | 1/2       | 26.480     | Irdeto 2                               | English   |
|            |     |        | Boomerang                                | TV        | DVB    | 1/2       | 26.480     | Irdeto 2                               | English   |
|            |     |        | Animal Planet Africa                     | TV        | DVB    | 1/2       | 26.480     | Irdeto 2                               | English   |
|            |     |        | The History Channel South Africa         | TV        | DVB    | 1/2       | 26.480     | Irdeto 2                               | English   |
|            |     |        | Rhema Network                            | TV        | DVB    | 1/2       | 26.480     | Irdeto 2                               | English   |
|            |     |        | SuperSport 6                             | TV        | DVB    | 1/2       | 26.480     | Irdeto 2                               | English   |
|            |     |        | Fashion TV                               | TV        | DVB    | 1/2       | 26.480     | Irdeto 2                               | English   |
|            |     |        | Jazz                                     | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Classic Rock                             | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Hot Traxx                                | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Urban Beat                               | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Rock'n'Roll Oldies                       | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | 70's Hits                                | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Soft Hits                                | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Adult Contemporary                       | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Beautiful Instrumentals                  | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Smooth Jazz                              | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Light Classical                          | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | African Rhythms                          | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Reggae                                   | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Dance                                    | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Gospel                                   | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | French Contemporary                      | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Contemporary Instrumentals               | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Symphonic                                | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Urban Adult Contemporary                 | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Campus Rock                              | radio     | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | SuperSport Zone                          | interacti | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | PlayJam                                  | interacti | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
|            |     |        | Guide                                    | interacti | DVB    | 1/2       | 26.480     | Irdeto 2                               |           |
| D 12.322   | R   | Russia | <u>NTV Plus</u>                          | package   | DVB    | 3/4       | 27.500     | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |           |
|            |     |        | NTV Plus Infokanal                       | TV        | DVB    | 3/4       | 27.500     |  | Russian   |
|            |     |        | Perviy kanal                             | TV        | DVB    | 3/4       | 27.500     | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian   |

| Freq<br>(GHz) | Pol | Beam   | Channel                          | Analogue |  | Audio MHz       | Text    | Access                                 | Lang.           |        |  |         |
|---------------|-----|--------|----------------------------------|----------|--|-----------------|---------|--|-----------------|--------|--|---------|
|               |     |        |                                  | Digital  | FEC                                    | MSy/s           |         |  |                 |        |  |         |
| D 12.341      | L   | Russia | REN TV                           | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | Blue Hustler Europe              | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |                 |        |  |         |
|               |     |        | NTV Plus Sport                   | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | NTV Plus Futbol                  | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | NTV Plus Premiera                | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | NTV Plus Kinoklub                | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | NTV Nashe Kino                   | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | Kto est kto                      | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |                 |        |  |         |
|               |     |        | <u>NTV Plus</u>                  | package  | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |                 |        |  |         |
|               |     |        | Kinoreys 2                       | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,Russian |        |  |         |
|               |     |        | Gulli                            | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | TiJi                             | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | Kinoreys 3                       | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | Telekanal Domashniy              | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | Ru TV                            | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | Comedy TV                        | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | AXN Sci-Fi Russia                | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | Gameland TV                      | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | Sci Fi Channel Russia            | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|               |     |        | Universal Channel Russia         | TV       | DVB                                    | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
| Kinoreys 1    | TV  | DVB    | 3/4                              | 27.500   | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,Russian |         |  |                 |        |  |         |
| D 12.360      | H   | Africa | <u>MultiChoice Africa</u>        | package  | DVB                                    | 1/2             | 26.480  | Irdeto 2                               |                 |        |  |         |
|               |     |        | TV 5 Monde Afrique               | TV       | DVB                                    | 1/2             | 26.480  | Irdeto 2                               | French          |        |  |         |
|               |     |        | RTP Internacional Europa         | TV       | DVB                                    | 1/2             | 26.480  | Irdeto 2                               | Portuguese      |        |  |         |
|               |     |        | Cartoon Network Africa           | TV       | DVB                                    | 1/2             | 26.480  | Irdeto 2                               | English         |        |  |         |
|               |     |        | MTV Europe                       | TV       | DVB                                    | 1/2             | 26.480  | Irdeto 2                               | English         |        |  |         |
|               |     |        | France 24 Français               | TV       | DVB                                    | 1/2             | 26.480  | Irdeto 2                               | French          |        |  |         |
|               |     |        | EI Emea                          | TV       | DVB                                    | 1/2             | 26.480  | Irdeto 2                               | English         |        |  |         |
|               |     |        | B4U Movies UAE                   | TV       | DVB                                    | 1/2             | 26.480  | Irdeto 2                               | Hindi           |        |  |         |
|               |     |        | Canal + Horizons                 | TV       | DVB                                    | 1/2             | 26.480  | Irdeto 2                               | French          |        |  |         |
|               |     |        | LCI                              | TV       | DVB                                    | 1/2             | 26.480  | Irdeto 2                               | French          |        |  |         |
|               |     |        | CNN International                | TV       | DVB                                    | 1/2             | 26.480  | Irdeto 2                               | English         |        |  |         |
|               |     |        | Channel Islam International      | radio    | DVB                                    | 1/2             | 26.480  | Irdeto 2                               |                 |        |  |         |
|               |     |        | Raitalia Radio                   | radio    | DVB                                    | 1/2             | 26.480  | Irdeto 2                               |                 |        |  |         |
|               |     |        | TransAfrica Radio                | radio    | DVB                                    | 1/2             | 26.480  | Irdeto 2                               | English         |        |  |         |
|               |     |        | Radio France Internationale      | radio    | DVB                                    | 1/2             | 26.480  | Irdeto 2                               | French          |        |  |         |
|               |     |        | WRN English Africa & Middle East | radio    | DVB                                    | 1/2             | 26.480  | Irdeto 2                               | English         |        |  |         |
|               |     |        | Voa Music Mix                    | radio    | DVB                                    | 1/2             | 26.480  | Irdeto 2                               | English         |        |  |         |
| D 12.360      | R   | Russia | <u>Poverkhnost Plus</u>          | package  | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2/Viaccess 2.5                  |                 |        |  |         |
|               |     |        | News 24                          | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2                               | Ukrainian       |        |  |         |
|               |     |        | Animal Planet Russia             | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2/Viaccess 2.5                  | Russian         |        |  |         |
|               |     |        | Evrokino                         | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2                               | Russian         |        |  |         |
|               |     |        | Detski Mir                       | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2                               | Russian         |        |  |         |
|               |     |        | Discovery Channel Central Europe | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2/Viaccess 2.5                  | Russian         |        |  |         |
|               |     |        | CNN International                | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2                               | English         |        |  |         |
|               |     |        | Sci Fi Channel Russia            | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2                               | Russian         |        |  |         |
|               |     |        | TV XXI                           | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2                               | Russian         |        |  |         |
|               |     |        | AXN Sci-Fi Russia                | TV       | DVB                                    | 3/4             | 27.500  | Irdeto 2                               | Russian         |        |  |         |
|               |     |        | SET Russia                       | TV       | DVB                                    | 3/4             | 27.500  | Irdeto 2                               | Russian         |        |  |         |
|               |     |        | TeleKlub                         | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2                               | Russian         |        |  |         |
|               |     |        | Sport 3                          | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2/Viaccess 2.5                  | Ukrainian       |        |  |         |
|               |     |        | Fox Crime Russia                 | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2/Viaccess 2.5                  | Russian         |        |  |         |
|               |     |        | Fox Life Russia                  | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2/Viaccess 2.5                  | Russian         |        |  |         |
|               |     |        | Pershiy Nacionalniy              | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2/Viaccess 2.5                  | Ukrainian       |        |  |         |
|               |     |        | World Fashion Channel Russia     | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2/Viaccess 2.5                  | Russian         |        |  |         |
|               |     |        | Menu TV                          | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2                               | Ukrainian       |        |  |         |
|               |     |        | Milan Channel                    | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2/Viaccess 2.5                  | Italian         |        |  |         |
|               |     |        | Universal Channel Russia         | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2                               | Russian         |        |  |         |
|               |     |        | TET                              | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2/Viaccess 2.5                  | Ukrainian       |        |  |         |
|               |     |        | RTV Nashe Kino                   | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2/Viaccess 2.5                  | Russian         |        |  |         |
|               |     |        | Sport 4                          | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2/Viaccess 2.5                  | Ukrainian       |        |  |         |
|               |     |        | ChP Info                         | TV       | DVB-S2                                 | 3/4             | 27.500  |  | Ukrainian       |        |  |         |
|               |     |        | Nat Geo Wild Europe              | TV       | DVB-S2                                 | 3/4             | 27.500  | Irdeto 2                               | Russian         |        |  |         |
|               |     |        | D 12.380                         | L        | Russia                                 | <u>NTV Plus</u> | package | DVB                                    | 3/4             | 27.500 | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |         |
|               |     |        |                                  |          |  | 365 dnei TV     | TV      | DVB                                    | 3/4             | 27.500 | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian |
| TV Bulvar     | TV  | DVB    |                                  |          |  | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
| Komedia TV    | TV  | DVB    |                                  |          |  | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
| Russkaja Noch | TV  | DVB    |                                  |          |  | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
| Mnogo TV      | TV  | DVB    |                                  |          |  | 3/4             | 27.500  | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |

| Freq<br>(GHz)                    | Pol   | Beam   | Channel                    | Analogue |          | Audio MHz                      | Text<br>MSy/s | Access                                 | Lang.           |        |  |         |
|----------------------------------|-------|--------|----------------------------|----------|----------|--------------------------------|---------------|--|-----------------|--------|--|---------|
|                                  |       |        |                            | Digital  | FEC      |                                |               |  |                 |        |  |         |
| D 12.399                         | H     | Africa | Kuhnya TV                  | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |                 |        |  |         |
|                                  |       |        | Interesnoe TV              | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |                 |        |  |         |
|                                  |       |        | Boets                      | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | Auto Plus                  | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | Zakon TV                   | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | Telekanal India            | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | Telekanal La Minor         | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | <u>MultiChoice Africa</u>  | package  | DVB      | 1/2                            | 26.480        | Irdeto 2                               |                 |        |  |         |
|                                  |       |        | SET Asia                   | TV       | DVB      | 1/2                            | 26.480        | Irdeto 2                               | Hindi           |        |  |         |
|                                  |       |        | SET Africa                 | TV       | DVB      | 1/2                            | 26.480        | Irdeto 2                               | English         |        |  |         |
|                                  |       |        | TF 6                       | TV       | DVB      | 1/2                            | 26.480        | Irdeto 2                               | French          |        |  |         |
|                                  |       |        | Raitalia 3 Africa          | TV       | DVB      | 1/2                            | 26.480        | Irdeto 2                               | Italian         |        |  |         |
|                                  |       |        | The Style Network Emea     | TV       | DVB      | 1/2                            | 26.480        | Irdeto 2                               | English         |        |  |         |
|                                  |       |        | Hallmark Channel Scandilux | TV       | DVB      | 1/2                            | 26.480        | Irdeto 2                               | English         |        |  |         |
|                                  |       |        | EuroNews                   | TV       | DVB      | 1/2                            | 26.480        | Irdeto 2                               | Russian         |        |  |         |
|                                  |       |        | ESPN Africa                | TV       | DVB      | 1/2                            | 26.480        | Irdeto 2                               | English         |        |  |         |
|                                  |       |        | BBC World Service 1        | radio    | DVB      | 1/2                            | 26.480        | Irdeto 2                               |                 |        |  |         |
|                                  |       |        | BBC World Service 3        | radio    | DVB      | 1/2                            | 26.480        | Irdeto 2                               |                 |        |  |         |
|                                  |       |        | Radio Okapi                | radio    | DVB      | 1/2                            | 26.480        | Irdeto 2                               | French          |        |  |         |
|                                  |       |        | Raitalia Radio             | radio    | DVB      | 1/2                            | 26.480        | Irdeto 2                               |                 |        |  |         |
| BBC World Service 2              | radio | DVB    | 1/2                        | 26.480   | Irdeto 2 |                                |               |  |                 |        |  |         |
| D 12.399                         | R     | Russia | <u>NTV Plus</u>            | package  | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |                 |        |  |         |
|                                  |       |        | Telekanal Zvezda           | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | NTV                        | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | TNT                        | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | MTV Russia                 | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | Telekanal Rossiya          | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | Kultura Telekanal          | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | STS Moskva                 | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | Vesti                      | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | Kino Soyuz                 | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | 24 Dok                     | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | NTV Sport On-line          | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | Fashion TV Russia          | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |                 |        |  |         |
|                                  |       |        | Telekanal Spas             | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | Echo Moskva                | radio    | DVB      | 3/4                            | 27.500        | Irdeto 2                               | Russian         |        |  |         |
|                                  |       |        | Relax FM                   | radio    | DVB      | 3/4                            | 27.500        | Irdeto 2                               | Russian         |        |  |         |
|                                  |       |        | D 12.418                   | L        | Russia   | <u>NTV Plus</u>                | package       | DVB                                    | 3/4             | 27.500 |  |         |
|                                  |       |        | D 12.437                   | H        | Africa   | <u>MultiChoice Africa</u>      | package       | DVB                                    | 3/4             | 23.438 | Irdeto 2                               |         |
|                                  |       |        |                            |          |          | TCM UK                         | TV            | DVB                                    | 3/4             | 23.438 | Irdeto 2                               | English |
|                                  |       |        |                            |          |          | BBC Entertainment South Africa | TV            | DVB                                    | 3/4             | 23.438 | Irdeto 2                               | English |
| One Gospel                       | TV    | DVB    |                            |          |          | 3/4                            | 23.438        | Irdeto 2                               | English         |        |  |         |
| Crime & Investigation Network UK | TV    | DVB    |                            |          |          | 3/4                            | 23.438        | Irdeto 2                               | English         |        |  |         |
| SuperSport Select                | TV    | DVB    |                            |          |          | 3/4                            | 23.438        | Irdeto 2                               | English         |        |  |         |
| Disney Channel UK                | TV    | DVB    |                            |          |          | 3/4                            | 23.438        | Irdeto 2                               | English         |        |  |         |
| Mindset Learn                    | TV    | DVB    |                            |          |          | 3/4                            | 23.438        | Irdeto 2                               | English         |        |  |         |
| M-Net Action                     | TV    | DVB    |                            |          |          | 3/4                            | 23.438        | Irdeto 2                               |                 |        |  |         |
| MTV Base Africa                  | TV    | DVB    |                            |          |          | 3/4                            | 23.438        | Irdeto 2                               | English         |        |  |         |
| BBC World News South Africa      | TV    | DVB    |                            |          |          | 3/4                            | 23.438        | Irdeto 2                               | English         |        |  |         |
| SuperSport 10                    | TV    | DVB    |                            |          |          | 3/4                            | 23.438        | Irdeto 2                               | English         |        |  |         |
| M-Net East                       | TV    | DVB    |                            |          |          | 3/4                            | 23.438        | Irdeto 2                               | English         |        |  |         |
| SuperSport 2                     | TV    | DVB    |                            |          |          | 3/4                            | 23.438        | Irdeto 2                               | English         |        |  |         |
| M-Net Stars                      | TV    | DVB    |                            |          |          | 3/4                            | 23.438        | Irdeto 2                               | English         |        |  |         |
| D 12.437                         | R     | Russia |                            |          |          | <u>NTV Plus</u>                | package       | DVB                                    | 3/4             | 27.500 | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |         |
|                                  |       |        |                            |          |          | NST                            | TV            | DVB                                    | 3/4             | 27.500 | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian |
|                                  |       |        |                            |          |          | Nostalgia                      | TV            | DVB                                    | 3/4             | 27.500 | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian |
|                                  |       |        |                            |          |          | Telekanal Sport                | TV            | DVB                                    | 3/4             | 27.500 | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian |
|                                  |       |        |                            |          |          | Muz TV                         | TV            | DVB                                    | 3/4             | 27.500 | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian |
|                                  |       |        | Russkij Extreme            | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | NTV Plus Sport Soyuz       | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | NTV Plus Nash Futbol       | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | NTV Plus Sport Klassika    | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | NBA TV                     | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | English         |        |  |         |
|                                  |       |        | NTV Plus Tennis            | TV       | DVB      | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
|                                  |       |        | D 12.456                   | L        | Russia   | <u>NTV Plus</u>                | package       | DVB                                    | 3/4             | 27.500 | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |         |
| Discovery Travel & Living Europe | TV    | DVB    |                            |          |          | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,English |        |  |         |
| Mezzo                            | TV    | DVB    |                            |          |          | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | French          |        |  |         |
| Music Box Ru                     | TV    | DVB    |                            |          |          | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |
| Jetix Play                       | TV    | DVB    |                            |          |          | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,English |        |  |         |
| TDK                              | TV    | DVB    |                            |          |          | 3/4                            | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian         |        |  |         |

| Freq<br>(GHz) | Pol | Beam   | Channel                               | Analogue |  | Audio MHz | Text<br>MSy/s | Access                                 | Lang.                         |
|---------------|-----|--------|---------------------------------------|----------|--|-----------|---------------|--|-------------------------------|
|               |     |        |                                       | Digital  | FEC                                    |           |               |  |                               |
| D 12.476      | H   | Africa | Zone Romantica Pan Europe             | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian                       |
|               |     |        | National Geographic Channel Russia    | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,English               |
|               |     |        | Jetix Central & Eastern Europe        | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,English               |
|               |     |        | Eurosport Russia                      | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian                       |
|               |     |        | Animal Planet Russia                  | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,English               |
|               |     |        | Hallmark Channel Russia & Middle East | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,English               |
|               |     |        | Discovery Channel Russia              | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,English               |
|               |     |        | Music Box TV                          | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian                       |
|               |     |        | <u>MultiChoice Africa</u>             | package  | DVB                                    | 2/3       | 26.040        | Irdeto 2                               |                               |
|               |     |        | SuperSport 1                          | TV       | DVB                                    | 2/3       | 26.040        | Irdeto 2                               | English                       |
|               |     |        | M-Net Movies 1                        | TV       | DVB                                    | 2/3       | 26.040        | Irdeto 2                               | English                       |
|               |     |        | SuperSport 3 Africa                   | TV       | DVB                                    | 2/3       | 26.040        | Irdeto 2                               | English                       |
|               |     |        | BBC Lifestyle South Africa            | TV       | DVB                                    | 2/3       | 26.040        | Irdeto 2                               | English                       |
|               |     |        | SuperSport MaXimo                     | TV       | DVB                                    | 2/3       | 26.040        | Irdeto 2                               | Portuguese                    |
|               |     |        | M-Net Movies 2                        | TV       | DVB                                    | 2/3       | 26.040        | Irdeto 2                               | English                       |
|               |     |        | M-Net West                            | TV       | DVB                                    | 2/3       | 26.040        | Irdeto 2                               | English                       |
|               |     |        | Africa Magic                          | TV       | DVB                                    | 2/3       | 26.040        | Irdeto 2                               | English                       |
|               |     |        | Discovery Channel Africa              | TV       | DVB                                    | 2/3       | 26.040        | Irdeto 2                               | English                       |
|               |     |        | TBN Africa                            | TV       | DVB                                    | 2/3       | 26.040        | Irdeto 2                               | English                       |
|               |     |        | M-Net Series                          | TV       | DVB                                    | 2/3       | 26.040        | Irdeto 2                               | English                       |
| D 12.476      | R   | Russia | <u>Channel O</u>                      | TV       | DVB                                    | 2/3       | 26.040        | Irdeto 2                               | English                       |
|               |     |        | <u>NTV Plus</u>                       | package  | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 |                               |
|               |     |        | Nat Geo Wild Europe                   | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,English               |
|               |     |        | The MGM Channel East Europe           | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,English               |
|               |     |        | VH1 Classic Europe                    | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | English                       |
|               |     |        | CNN International                     | TV       | DVB                                    | 3/4       | Y 27.500      | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | English                       |
|               |     |        | Cartoon Network UK                    | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | English,Russian               |
|               |     |        | TCM Europe                            | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | English                       |
|               |     |        | Discovery World                       | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian                       |
|               |     |        | Discovery Science Channel             | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian                       |
|               |     |        | EuroNews                              | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,German,English,French |
|               |     |        | Zone Reality Europe                   | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,English               |
|               |     |        | MCM Top                               | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | French                        |
|               |     |        | Extreme Sports Channel                | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,English               |
|               |     |        | JimJam Rossiya                        | TV       | DVB                                    | 3/4       | 27.500        | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | Russian,English               |
| MTV Dance     | TV  | DVB    | 3/4                                   | 27.500   | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0 | English   |               |  |                               |

#### W6 (21.5°EAST)

|          |   |            |                            |           |        |     |        |  |       |
|----------|---|------------|----------------------------|-----------|--------|-----|--------|--|-------|
| D 11.345 | H | Wide       | Alpha 98.9                 | radio     | DVB    | 7/8 | 28.782 |  | Greek |
| D 11.345 | H | Wide       | InterNetCon                | interacti | DVB    | 7/8 | 28.782 |  |       |
| D 11.345 | H | Wide       | SpaceGate                  | interacti | DVB    | 7/8 | 28.782 |  |       |
| D 11.345 | H | Wide       | AMS                        | interacti | DVB    | 7/8 | 28.782 |  |       |
| D 11.366 | V | Wide       | Skylogic                   | interacti | DVB-S2 | 8/9 | 22.500 |  |       |
| D 11.387 | H | Wide       | Horizon Satellite Services | interacti | DVB-S2 | 3/4 | 30.000 |  |       |
| D 11.596 | H | West Afric | AMS                        | interacti | DVB    | 7/8 | 26.662 |  |       |
| D 11.617 | V | Wide       | Skylogic                   | interacti | DVB    | 5/6 | 27.500 |  |       |
| D 11.640 | H | Wide       | Horizon Satellite Services | interacti | DVB-S2 | ?   | 23.400 |  |       |

#### SESAT 1 (36°EAST)

|                       |       |            |                                   |         |          |         |        |          |            |
|-----------------------|-------|------------|-----------------------------------|---------|----------|---------|--------|----------|------------|
| D 11.142              | H     | South Afri | <u>MultiChoice Africa</u>         | package | DVB      | 3/4     | 30.000 | Irdeto 2 |            |
|                       |       |            | CCTV F                            | TV      | DVB      | 3/4     | 30.000 | Irdeto 2 | French     |
|                       |       |            | Nat Geo Wild Europe               | TV      | DVB      | 3/4     | 30.000 | Irdeto 2 | English    |
|                       |       |            | KBC Channel 1                     | TV      | DVB      | 3/4     | 30.000 | Irdeto 2 | English    |
|                       |       |            | NTV                               | TV      | DVB      | 3/4     | 30.000 | Irdeto 2 | English    |
|                       |       |            | TPA 1                             | TV      | DVB      | 3/4     | 30.000 | Irdeto 2 | Portuguese |
|                       |       |            | TPA 2                             | TV      | DVB      | 3/4     | 30.000 | Irdeto 2 | Portuguese |
|                       |       |            | TBC 1                             | TV      | DVB      | 3/4     | 30.000 | Irdeto 2 |            |
|                       |       |            | Inspiration Network International | TV      | DVB      | 3/4     | 30.000 | Irdeto 2 | English    |
|                       |       |            | Southern Sudan TV                 | TV      | DVB      | 3/4     | 30.000 | Irdeto 2 | Arabic     |
|                       |       |            | ZDF                               | TV      | DVB      | 3/4     | 30.000 | Irdeto 2 | German     |
|                       |       |            | KTN                               | TV      | DVB      | 3/4     | 30.000 | Irdeto 2 | English    |
|                       |       |            | Coro FM Radio                     | radio   | DVB      | 3/4     | 30.000 | Irdeto 2 | Kikuyu     |
|                       |       |            | QFM                               | radio   | DVB      | 3/4     | 30.000 | Irdeto 2 | English    |
|                       |       |            | Metro FM                          | radio   | DVB      | 3/4     | 30.000 | Irdeto 2 | English    |
| KBC Kiswahili Service | radio | DVB        | 3/4                               | 30.000  | Irdeto 2 | Swahili |        |          |            |
| KBC English Service   | radio | DVB        | 3/4                               | 30.000  | Irdeto 2 | English |        |          |            |

| Freq<br>(GHz)              | Pol | Beam       | Channel                              | Analogue |            | Audio MHz                 | Text<br>MSy/s | Access   | Lang.      |        |          |            |
|----------------------------|-----|------------|--------------------------------------|----------|------------|---------------------------|---------------|----------|------------|--------|----------|------------|
|                            |     |            |                                      | Digital  | FEC        |                           |               |          |            |        |          |            |
| D 11.476                   | H   | South Afri | Easy FM                              | radio    | DVB        | 3/4                       | 30.000        | Irdeto 2 | English    |        |          |            |
|                            |     |            | <u>MultiChoice Africa</u>            | package  | DVB        | 3/4                       | 29.000        | Irdeto 2 |            |        |          |            |
|                            |     |            | Planète France                       | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | French     |        |          |            |
|                            |     |            | RTL 9                                | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | French     |        |          |            |
|                            |     |            | Citizen TV                           | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 |            |        |          |            |
|                            |     |            | TiJi                                 | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | French     |        |          |            |
|                            |     |            | RTNC                                 | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | French     |        |          |            |
|                            |     |            | Trace TV                             | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | French     |        |          |            |
|                            |     |            | Canal + Cinéma France                | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | French     |        |          |            |
|                            |     |            | 13ème Rue                            | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | French     |        |          |            |
|                            |     |            | France 5                             | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | French     |        |          |            |
|                            |     |            | France 2                             | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | French     |        |          |            |
|                            |     |            | Cinecinema Star                      | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | French     |        |          |            |
|                            |     |            | Sport +                              | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | French     |        |          |            |
|                            |     |            | Hot 96                               | radio    | DVB        | 3/4                       | 29.000        | Irdeto 2 |            |        |          |            |
|                            |     |            | Radio Citizen                        | radio    | DVB        | 3/4                       | 29.000        | Irdeto 2 |            |        |          |            |
|                            |     |            | D 11.507                             | H        | South Afri | <u>MultiChoice Africa</u> | package       | DVB      | 3/4        | 30.000 | Irdeto 2 |            |
|                            |     |            |                                      |          |            | Fox Crime Portugal        | TV            | DVB      | 3/4        | 30.000 | Irdeto 2 | Portuguese |
| Fox Life Portugal          | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 | Portuguese |        |          |            |
| Fox Portugal               | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 | Portuguese |        |          |            |
| CNBC Africa                | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 | English    |        |          |            |
| PFC Internacional          | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 | Portuguese |        |          |            |
| NTV Uganda                 | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 | English    |        |          |            |
| BBC Knowledge South Africa | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 | English    |        |          |            |
| CBeebies South Africa      | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 | English    |        |          |            |
| ESPN Classic Europe        | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 | English    |        |          |            |
| Canal Panda                | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 | Portuguese |        |          |            |
| Odisea                     | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 | Portuguese |        |          |            |
| Max UK                     | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 | Hindi      |        |          |            |
| SuperSport MaXimo 2        | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 | Portuguese |        |          |            |
| D 11.559                   | H   | South Afri |                                      |          |            | <u>MultiChoice Africa</u> | package       | DVB      | 3/4        | 29.000 |          |            |
|                            |     |            |                                      |          |            | SIC Noticias              | TV            | DVB      | 3/4        | 29.000 | Irdeto 2 | Portuguese |
|                            |     |            |                                      |          |            | TV Cine 2                 | TV            | DVB      | 3/4        | 29.000 | Irdeto 2 | Portuguese |
|                            |     |            |                                      |          |            | SIC Internacional         | TV            | DVB      | 3/4        | 29.000 | Irdeto 2 | Portuguese |
|                            |     |            | Disney Channel Portugal              | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | Portuguese |        |          |            |
|                            |     |            | RTP Açores                           | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | Portuguese |        |          |            |
|                            |     |            | TV Cine 1                            | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | Portuguese |        |          |            |
|                            |     |            | RTBF Sat                             | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | French     |        |          |            |
|                            |     |            | TV Moçambique                        | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | Portuguese |        |          |            |
|                            |     |            | MTV Portugal                         | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | Portuguese |        |          |            |
|                            |     |            | National Geographic Channel Portugal | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | Portuguese |        |          |            |
|                            |     |            | UBC TV                               | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 |            |        |          |            |
|                            |     |            | AXN Portugal                         | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | Portuguese |        |          |            |
|                            |     |            | TV Globo Internacional Europa/África | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | Portuguese |        |          |            |
|                            |     |            | Record Internacional Europa          | TV       | DVB        | 3/4                       | 29.000        | Irdeto 2 | Portuguese |        |          |            |
|                            |     |            | Antena Nacional                      | radio    | DVB        | 3/4                       | 29.000        |          | Portuguese |        |          |            |
|                            |     |            | D 11.590                             | H        | South Afri | <u>MultiChoice Africa</u> | package       | DVB      | 3/4        | 30.000 | Irdeto 2 |            |
|                            |     |            |                                      |          |            | Afro Music Channel        | TV            | DVB      | 3/4        | 30.000 | Irdeto 2 | Portuguese |
| TV Zimbo                   | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 | Portuguese |        |          |            |
| KidsCo                     | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 |            |        |          |            |
| Islam Channel              | TV  | DVB        |                                      |          |            | 3/4                       | 30.000        | Irdeto 2 | English    |        |          |            |
| D 11.664                   | H   | Fixed      | TV Zimbo                             | TV       | DVB-S2     | 3/4                       | 18.400        |          | Portuguese |        |          |            |
| D 11.664                   | H   | Fixed      | SET Africa                           | TV       | DVB-S2     | 3/4                       | 18.400        |          | English    |        |          |            |
| D 11.664                   | H   | Fixed      | Radio Citizen                        | radio    | DVB-S2     | 3/4                       | 18.400        |          |            |        |          |            |

#### ATLANTIC BIRD™ 1 (12.5°WEST)

|          |   |        |                                      |         |        |     |        |              |                    |
|----------|---|--------|--------------------------------------|---------|--------|-----|--------|--------------|--------------------|
| D 11.179 | V | Europe | <u>Overon</u>                        | package | DVB-S2 | 2/3 | 22.400 | Viaccess 2.6 |                    |
|          |   |        | National Geographic Channel Portugal | TV      | DVB-S2 | 2/3 | 22.400 | Viaccess 2.5 | Portuguese,English |
|          |   |        | SET Portugal                         | TV      | DVB-S2 | 2/3 | 22.400 | Viaccess 2.6 | Portuguese         |
|          |   |        | Canal Català TV                      | TV      | DVB-S2 | 2/3 | 22.400 |              | Catalan            |
|          |   |        | Bainet Sat                           | TV      | DVB-S2 | 2/3 | 22.400 |              | Spanish            |
|          |   |        | National Geographic Channel Türkiye  | TV      | DVB-S2 | 2/3 | 22.400 | Viaccess 2.5 | Turkish,English    |
|          |   |        | AXN Portugal                         | TV      | DVB-S2 | 2/3 | 22.400 | Viaccess 2.6 | Portuguese         |
|          |   |        | TL TV                                | TV      | DVB-S2 | 2/3 | 22.400 |              | Spanish            |
|          |   |        | Animax Iberia                        | TV      | DVB-S2 | 2/3 | 22.400 |              | Portuguese         |

| Freq (GHz) | Pol | Beam       | Channel                        | Analogue  |        | Audio MHz | Text MSy/s | Access       | Lang.                   |
|------------|-----|------------|--------------------------------|-----------|--------|-----------|------------|--------------|-------------------------|
|            |     |            |                                | Digital   | FEC    |           |            |              |                         |
|            |     |            | National Geographic Channel HD | TV        | DVB-S2 | 2/3       | 22.400     | Viaccess 2.6 | English,Turkish,Russian |
|            |     |            | Russia & Turkey                |           |        |           |            |              |                         |
| D 11.408   | V   | Europe     | Skylogic                       | interacti | DVB    | 3/4       | 27.500     |              |                         |
| D 11.428   | H   | Europe     | OpenSky                        | interacti | DVB    | 5/6       | 30.000     |              |                         |
| D 11.595   | V   | South Amer | OpenSky                        | package   | DVB    | 5/6       | 27.500     |              |                         |
|            |     |            | OpenSky                        | interacti | DVB    | 5/6       | 27.500     |              |                         |
| D 12.515   | H   | Europe     | Telecom Italia Media           | package   | DVB    | 3/4       | 17.455     | Irdeto 2     |                         |
|            |     |            | Dahlia promo                   | TV        | DVB    | 3/4       | 17.455     |              |                         |
|            |     |            | La 7                           | TV        | DVB    | 3/4       | Y 17.455   |              | Italian                 |
|            |     |            | Dahlia Sport                   | TV        | DVB    | 3/4       | 17.455     | Irdeto 2     | Italian                 |
|            |     |            | Dahlia Xtreme                  | TV        | DVB    | 3/4       | 17.455     | Irdeto 2     | Italian                 |
|            |     |            | Dahlia Adult 1                 | TV        | DVB    | 3/4       | 17.455     | Irdeto 2     | Italian                 |
|            |     |            | Dahlia Eros                    | TV        | DVB    | 3/4       | 17.455     | Irdeto 2     | Italian                 |
| D 12.545   | H   | Europe     | Telecom Italia Media           | package   | DVB    | 3/4       | 17.455     |              |                         |
|            |     |            | La 7                           | TV        | DVB    | 3/4       | Y 17.455   |              | Italian                 |
|            |     |            | MTV Italia                     | TV        | DVB    | 3/4       | Y 17.455   |              | Italian                 |
|            |     |            | Qoob                           | TV        | DVB    | 3/4       | 17.455     |              | Italian                 |
|            |     |            | Sportitalia                    | TV        | DVB    | 3/4       | 17.455     |              | Italian                 |
|            |     |            | Sportitalia 24                 | TV        | DVB    | 3/4       | 17.455     |              | Italian                 |
|            |     |            | MediaShopping                  | TV        | DVB    | 3/4       | 17.455     |              | Italian                 |
|            |     |            | Ted promo                      | TV        | DVB    | 3/4       | 17.455     |              | Italian                 |

### ATLANTIC BIRD™ 2 (8°WEST)

|          |   |        |                                  |         |     |     |        |                       |  |
|----------|---|--------|----------------------------------|---------|-----|-----|--------|-----------------------|--|
| D 10.972 | V | Europe | KabelKiosk                       | package | DVB | 3/4 | 27.500 | Conax/Videoguard      |  |
|          |   |        | EuroStar                         | TV      | DVB | 3/4 | 27.500 | Conax/Videoguard      | Turkish  |
|          |   |        | France 24 English                | TV      | DVB | 3/4 | 27.500 |                       | English  |
|          |   |        | Body in Balance Germany          | TV      | DVB | 3/4 | 27.500 | Conax/Videoguard      | German   |
|          |   |        | Animax Deutschland               | TV      | DVB | 3/4 | 27.500 | Conax/Videoguard      | German   |
|          |   |        | Kinowelt TV                      | TV      | DVB | 3/4 | 27.500 | Conax/Videoguard      | German   |
|          |   |        | Lig TV                           | TV      | DVB | 3/4 | 27.500 | Conax/Videoguard      | Turkish  |
|          |   |        | Perviy kanal Europa              | TV      | DVB | 3/4 | 27.500 | Conax/Videoguard      | Russian  |
|          |   |        | RTR Planeta                      | TV      | DVB | 3/4 | 27.500 | Conax/Videoguard      | Russian  |
|          |   |        | Pink Plus                        | TV      | DVB | 3/4 | 27.500 | Conax/Videoguard      | Serbian  |
|          |   |        | EuroNews                         | TV      | DVB | 3/4 | 27.500 | Conax/Videoguard      | German,English,French,Portuguese,Russian,Spanish,Italian |
| D 10.974 | H | Europe | Orbit Network                    | package | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 |  |
|          |   |        | History Orbit                    | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | Super Movies +1                  | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Arabic,English   |
|          |   |        | GMA Life TV                      | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Tagalog  |
|          |   |        | Fann                             | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Arabic   |
|          |   |        | Al Safwa                         | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Arabic   |
|          |   |        | Al Yawm                          | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Arabic   |
|          |   |        | GMA Pinoy TV Europe              | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Tagalog  |
|          |   |        | Pinoy Extreme                    | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Tagalog  |
|          |   |        | Hollywood Channel                | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | NBA TV                           | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | Cinema 1                         | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Arabic   |
|          |   |        | TCM Middle East                  | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | Cinema 2                         | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Arabic,English   |
|          |   |        | Arabic Series +4                 | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Arabic   |
|          |   |        | DWLS FM                          | radio   | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Tagalog  |
| D 11.010 | H | Europe | Orbit Network                    | package | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 |  |
|          |   |        | BBC Prime                        | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | Toon Disney Scandinavia          | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | Fox Sports Middle East           | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | Animal Planet Middle East        | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | Discovery Channel Middle East    | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | Cinema City +1                   | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Arabic   |
|          |   |        | Discovery Travel & Living Europe | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | CNN International Europe         | TV      | DVB | 3/4 | 27.500 |                       | English  |
|          |   |        | America Plus +2                  | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | Super Comedy +2                  | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | Boomerang Middle East            | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | Cartoon Network Middle East      | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | Orbit News 1                     | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English  |
|          |   |        | Disney Channel Middle East       | TV      | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | English,Arabic   |
|          |   |        | Khalijya't                       | radio   | DVB | 3/4 | 27.500 |                       | English  |
|          |   |        | Tarabiya't                       | radio   | DVB | 3/4 | 27.500 |                       |  |
|          |   |        | Monawa't                         | radio   | DVB | 3/4 | 27.500 |                       |  |
|          |   |        | DZBB 594 Super Radyo             | radio   | DVB | 3/4 | 27.500 | Irdeto 2/Mediaguard 2 | Tagalog  |

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Eutelsat S.A. - 70 rue Balard 75502 PARIS CEDEX 15 - Tel: 0153984747 - Fax: 0153983700 <http://www.eutelsat.com>

| Freq (GHz)                              | Pol | Beam       | Channel                           | Analogue |            | Audio MHz         | Text MSy/s | Access           | Lang.                        |        |                  |              |
|---|-----|------------|-----------------------------------|----------|------------|-------------------|------------|------------------|------------------------------|--------|------------------|--------------|
|   |     |            |                                   | Digital  | FEC        |                   |            |                  |                              |        |                  |              |
| D 11.011                                | V   | Europe     | <u>KabelKiosk</u>                 | package  | DVB        | 3/4               | 27.500     | Conax/Videoguard |                              |        |                  |              |
|   |     |            | ATV Avrupa                        | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Turkish                      |        |                  |              |
|   |     |            | TürkMax                           | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Turkish                      |        |                  |              |
|   |     |            | TRT Türk                          | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Turkish                      |        |                  |              |
|   |     |            | TVP Polonia                       | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Polish                       |        |                  |              |
|   |     |            | Rai Tre                           | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Italian                      |        |                  |              |
|   |     |            | Rai Uno                           | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Italian                      |        |                  |              |
|   |     |            | Euro D                            | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Turkish                      |        |                  |              |
|   |     |            | Kanal 7 International             | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Turkish                      |        |                  |              |
|   |     |            | Fox Türk                          | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Turkish                      |        |                  |              |
|   |     |            | Show Turk                         | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Turkish                      |        |                  |              |
|   |     |            | Rai Due                           | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Italian                      |        |                  |              |
|   |     |            | D 11.387                          | H        | Europe     | <u>KabelKiosk</u> | package    | DVB              | 5/6                          | 24.740 | Conax/Videoguard |              |
|   |     |            |                                   |          |            | Motors TV         | TV         | DVB              | 5/6                          | 24.740 | Conax/Videoguard |              |
| ESPN America Europe                     | TV  | DVB        |                                   |          |            | 5/6               | 24.740     | Conax/Videoguard | English                      |        |                  |              |
| Boomerang Deutschland                   | TV  | DVB        |                                   |          |            | 5/6               | 24.740     | Conax/Videoguard | German,English               |        |                  |              |
| The Biography Channel Deutschland       | TV  | DVB        |                                   |          |            | 5/6               | 24.740     | Conax/Videoguard | German                       |        |                  |              |
| Cartoon Network Deutschland             | TV  | DVB        |                                   |          |            | 5/6               | 24.740     | Conax/Videoguard | German,English               |        |                  |              |
| TCM Deutschland                         | TV  | DVB        |                                   |          |            | 5/6               | 24.740     | Conax/Videoguard | German,English               |        |                  |              |
| Silverline Movie Channel                | TV  | DVB        |                                   |          |            | 5/6               | 24.740     | Conax/Videoguard | German                       |        |                  |              |
| AXN Deutschland                         | TV  | DVB        |                                   |          |            | 5/6               | 24.740     | Conax/Videoguard | German,English               |        |                  |              |
| National Geographic Channel Deutschland | TV  | DVB        |                                   |          |            | 5/6               | 24.740     | Conax/Videoguard | German,English               |        |                  |              |
| Sci Fi Deutschland                      | TV  | DVB        |                                   |          |            | 5/6               | 24.740     | Conax/Videoguard | German                       |        |                  |              |
| 13th Street                             | TV  | DVB        |                                   |          |            | 5/6               | 24.740     | Conax/Videoguard | German                       |        |                  |              |
| History Deutschland                     | TV  | DVB        |                                   |          |            | 5/6               | 24.740     | Conax/Videoguard | German                       |        |                  |              |
| D 11.428                                | H   | Europe     |                                   |          |            | <u>KabelKiosk</u> | package    | DVB              | 3/4                          | 27.500 | Conax/Videoguard |              |
|   |     |            | BBC Prime                         | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | English                      |        |                  |              |
|   |     |            | RTV Nashe Kino                    | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Russian                      |        |                  |              |
|   |     |            | TeleKlub                          | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Russian                      |        |                  |              |
|   |     |            | Detski Mir                        | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Russian                      |        |                  |              |
|   |     |            | E! Deutschland                    | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | German,German,Polish,Turkish |        |                  |              |
|   |     |            | RTV International Europe          | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Russian                      |        |                  |              |
|   |     |            | Romance TV                        | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | German                       |        |                  |              |
|   |     |            | Your Family Entertainment         | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | German                       |        |                  |              |
|   |     |            | Sportdigital TV                   | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | German                       |        |                  |              |
|   |     |            | Blu FM                            | radio    | DVB        | 3/4               | 27.500     |                  |                              |        |                  |              |
|   |     |            | D 11.554                          | V        | Middle Eas | <u>Gulfsat</u>    | package    | DVB              | 3/4                          | 27.500 |                  |              |
|   |     |            |                                   |          |            | Alwatan Plus      | TV         | DVB              | 3/4                          | 27.500 |                  | Arabic       |
|   |     |            |                                   |          |            | Rawasy TV         | TV         | DVB              | 3/4                          | 27.500 |                  | Arabic       |
| Al Shahid TV                            | TV  | DVB        |                                   |          |            | 3/4               | 27.500     |                  | Arabic                       |        |                  |              |
| Q8 Vote promo                           | TV  | DVB        |                                   |          |            | 3/4               | 27.500     |                  | Arabic                       |        |                  |              |
| Al-Arab Channel                         | TV  | DVB        |                                   |          |            | 3/4               | 27.500     |                  | Arabic                       |        |                  |              |
| Al-Zahra TV                             | TV  | DVB        |                                   |          |            | 3/4               | 27.500     |                  | Arabic                       |        |                  |              |
| Ana TV Channel                          | TV  | DVB        |                                   |          |            | 3/4               | 27.500     |                  |                              |        |                  |              |
| Alwatan TV                              | TV  | DVB        |                                   |          |            | 3/4               | 27.500     |                  | Arabic                       |        |                  |              |
| Al Bawadi                               | TV  | DVB        |                                   |          |            | 3/4               | 27.500     |                  |                              |        |                  |              |
| Suhail TV                               | TV  | DVB        |                                   |          |            | 3/4               | 27.500     |                  |                              |        |                  |              |
| Alwatan Ghanawi TV                      | TV  | DVB        |                                   |          |            | 3/4               | 27.500     |                  | Arabic                       |        |                  |              |
| Channel 4 Teen                          | TV  | DVB        |                                   |          |            | 3/4               | 27.500     |                  |                              |        |                  |              |
| D 11.595                                | V   | Middle Eas |                                   |          |            | <u>Gulfsat</u>    | package    | DVB              | 3/4                          | 27.500 |                  |              |
|   |     |            | Tayba TV                          | TV       | DVB        | 3/4               | 27.500     |                  | Arabic                       |        |                  |              |
|   |     |            | Ritmo TV                          | TV       | DVB        | 3/4               | 27.500     |                  | Arabic                       |        |                  |              |
|   |     |            | Alanwar TV 2                      | TV       | DVB        | 3/4               | 27.500     |                  | Arabic                       |        |                  |              |
|   |     |            | Ebony promo                       | TV       | DVB        | 3/4               | 27.500     |                  | Arabic                       |        |                  |              |
|   |     |            | Alwatan Galtah                    | TV       | DVB        | 3/4               | 27.500     |                  | Arabic                       |        |                  |              |
|   |     |            | Alatta TV promo                   | TV       | DVB        | 3/4               | 27.500     |                  | Arabic                       |        |                  |              |
|   |     |            | Al Awhad                          | TV       | DVB        | 3/4               | 27.500     |                  | Arabic                       |        |                  |              |
|   |     |            | D 12.566                          | V        | Europe     | SkyDSL            | interacti  | DVB              | 3/4                          | 27.500 |                  |              |
|   |     |            |                                   |          |            | A 12.606          | V          | Europe           | Canal + France               | TV     | SECAM            | 60,7.02/7.20 |
| D 12.649                                | V   | Europe     | <u>KabelKiosk</u>                 | package  | DVB        | 3/4               | 27.500     | Conax/Videoguard |                              |        |                  |              |
|   |     |            | Adult Channel                     | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | English                      |        |                  |              |
|   |     |            | Travel Channel Deutschland        | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | German                       |        |                  |              |
|   |     |            | Rush HD Europe                    | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | English                      |        |                  |              |
|   |     |            | ESPN Classic Europe               | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | English                      |        |                  |              |
|   |     |            | ITVN Europe                       | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | Polish                       |        |                  |              |
|   |     |            | Yacht & Sail International        | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard |                              |        |                  |              |
|   |     |            | KabelKiosk infokanal              | TV       | DVB        | 3/4               | 27.500     |                  | German                       |        |                  |              |
|   |     |            | Premiere Fussball Bundesliga Home | TV       | DVB        | 3/4               | 27.500     | Conax/Videoguard | German                       |        |                  |              |

| Freq<br>(GHz) | Pol | Beam | Channel                | Analogue |     | Audio MHz | Text   | Access           | Lang.   |
|---------------|-----|------|------------------------|----------|-----|-----------|--------|------------------|---------|
|               |     |      |                        | Digital  | FEC | MSy/s     |        |                  |         |
|               |     |      | Hustler TV Deutschland | TV       | DVB | 3/4       | 27.500 | Conax            | German  |
|               |     |      | Blue Hustler Europe    | TV       | DVB | 3/4       | 27.500 | Conax/Videoguard | English |

### ATLANTIC BIRD™ 3 (5°WEST)

|                   |       |         |                     |         |              |        |          |                           |                |
|-------------------|-------|---------|---------------------|---------|--------------|--------|----------|---------------------------|----------------|
| D 11.065          | H     | Algeria | <u>TDA</u>          | package | DVB          | 3/4    | 18.085   |                           |                |
|                   |       |         | Canal Algérie       | TV      | DVB          | 3/4    | 18.085   |                           | Arabic         |
|                   |       |         | Algérie 5           | TV      | DVB          | 3/4    | 18.085   |                           | Arabic         |
|                   |       |         | Thalitha TV         | TV      | DVB          | 3/4    | 18.085   |                           | Arabic         |
|                   |       |         | ENTV                | TV      | DVB          | 3/4    | 18.085   | BISS                      | Arabic         |
|                   |       |         | Algérie 4           | TV      | DVB          | 3/4    | 18.085   |                           |                |
|                   |       |         | Radio Essouhoub     | radio   | DVB          | 3/4    | 18.085   |                           |                |
|                   |       |         | Radio Saoura        | radio   | DVB          | 3/4    | 18.085   |                           |                |
|                   |       |         | Radio Jijel         | radio   | DVB          | 3/4    | 18.085   |                           |                |
|                   |       |         | International Radio | radio   | DVB          | 3/4    | 18.085   |                           | Arabic         |
|                   |       |         | Radio Tlemcen       | radio   | DVB          | 3/4    | 18.085   |                           |                |
|                   |       |         | Radio Sahel         | radio   | DVB          | 3/4    | 18.085   |                           |                |
|                   |       |         | Radio Naama         | radio   | DVB          | 3/4    | 18.085   |                           |                |
|                   |       |         | Radio Illizi        | radio   | DVB          | 3/4    | 18.085   |                           |                |
|                   |       |         | Chaîne 3            | radio   | DVB          | 3/4    | 18.085   |                           | French         |
|                   |       |         | Radio Ghardaïa      | radio   | DVB          | 3/4    | 18.085   |                           | Arabic         |
|                   |       |         | Radio Batna         | radio   | DVB          | 3/4    | 18.085   |                           |                |
|                   |       |         | Radio Ahaggar       | radio   | DVB          | 3/4    | 18.085   |                           | Arabic         |
|                   |       |         | Radio Tindouf       | radio   | DVB          | 3/4    | 18.085   |                           | Arabic         |
|                   |       |         | Chaîne 2            | radio   | DVB          | 3/4    | 18.085   |                           | Berber         |
| Radio Souk Ahras  | radio | DVB     | 3/4                 | 18.085  |              | Arabic |          |                           |                |
| Radio Souf        | radio | DVB     | 3/4                 | 18.085  |              |        |          |                           |                |
| Radio Adrar       | radio | DVB     | 3/4                 | 18.085  |              | Arabic |          |                           |                |
| Chaîne 1          | radio | DVB     | 3/4                 | 18.085  |              | Arabic |          |                           |                |
| D 11.096          | V     | Super   | <u>Bis</u>          | package | DVB          | 7/8    | 29.950   |                           |                |
|                   |       |         | M6                  | TV      | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | ARTE Français       | TV      | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | W9                  | TV      | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | ↳Télé               | TV      | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Le Puy en Velay | radio   | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Correze         | radio   | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Haute Alpes     | radio   | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Bordeaux        | radio   | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Jerico Nancy    | radio   | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Haute Savoie    | radio   | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Haute Normandie | radio   | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Reims Ardennes  | radio   | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Saint Martin    | radio   | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Parabole Dijon  | radio   | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Lumières        | radio   | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Pays d'Aude     | radio   | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Région 41       | radio   | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Vivarais        | radio   | DVB          | 7/8    | 29.950   |                           | French         |
|                   |       |         | RCF Lyon Fourvière  | radio   | DVB          | 7/8    | 29.950   |                           | French         |
| RCF Berry         | radio | DVB     | 7/8                 | 29.950  |              | French |          |                           |                |
| RCF Région 26     | radio | DVB     | 7/8                 | 29.950  |              | French |          |                           |                |
| RCF               | radio | DVB     | 7/8                 | 29.950  |              | French |          |                           |                |
| RCF Savoie        | radio | DVB     | 7/8                 | 29.950  |              | French |          |                           |                |
| RCF Pays de l'Ain | radio | DVB     | 7/8                 | 29.950  |              | French |          |                           |                |
| D 11.471          | V     | Super   | <u>Orange</u>       | package | DVB-S2       | 2/3    | 29.950   | Viaccess 3.0              |                |
|                   |       |         | Orange sport        | TV      | DVB-S2       | 2/3    | 29.950   | Viaccess 3.0              | French         |
|                   |       |         | M6                  | TV      | DVB-S2       | 2/3    | Y 29.950 | Viaccess 3.0              | French         |
|                   |       |         | Orange cinemax      | TV      | DVB-S2       | 2/3    | 29.950   | Viaccess 3.0              | French,English |
|                   |       |         | ↳Télé               | TV      | DVB-S2       | 2/3    | 29.950   | Viaccess 3.0              | French         |
|                   |       |         | Canal + France      | TV      | DVB-S2       | 2/3    | 29.950   | Viaccess 3.0              | French         |
|                   |       |         | W9                  | TV      | DVB-S2       | 2/3    | 29.950   | Viaccess 3.0              | French         |
|                   |       |         | Orange cinegeants   | TV      | DVB-S2       | 2/3    | 29.950   | Viaccess 3.0              | French,English |
|                   |       |         | Orange cinenovo     | TV      | DVB-S2       | 2/3    | 29.950   | Viaccess 3.0              | French,English |
|                   |       |         | Orange cinechoc     | TV      | DVB-S2       | 2/3    | 29.950   | Viaccess 3.0              | French,English |
|                   |       |         | Orange cinehappy    | TV      | DVB-S2       | 2/3    | 29.950   | Viaccess 3.0              | French,English |
|                   |       |         | Orange cinemax      | TV      | DVB-S2       | 2/3    | 29.950   | Viaccess 3.0              | French,English |
| Orange sport      | TV    | DVB-S2  | 2/3                 | 29.950  | Viaccess 3.0 | French |          |                           |                |
| D 11.512          | V     | Super   | <u>Bis</u>          | package | DVB          | 7/8    | 29.950   | Viaccess 2.5/Viaccess 3.0 |                |
|                   |       |         | BFM TV              | TV      | DVB          | 7/8    | 29.950   | Viaccess 2.5/Viaccess 3.0 | French         |
|                   |       |         | Virgin 17           | TV      | DVB          | 7/8    | 29.950   | Viaccess 2.5/Viaccess 3.0 | French         |

| Freq<br>(GHz)      | Pol     | Beam  | Channel                    | Analogue |       | Audio         | Text   | Access   | Lang.                 |
|--------------------|---------|-------|----------------------------|----------|-------|---------------|--------|--|-----------------------|
|                    |         |       |                            | Digital  | FEC   | MHz           |        |  |                       |
| D 11.554           | V       | Super | Gulli                      | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | France Ô                   | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | TV 8 Mont Blanc            | TV       | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | Direct 8                   | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | KTO                        | TV       | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | Dorcel TV                  | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French,German,English |
|                    |         |       | Orange sport info          | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | France 4                   | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | NRJ 12                     | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French,French         |
|                    |         |       | TMC                        | TV       | DVB   | 7/8           | 29.950 |  | English,French        |
|                    |         |       | Videoclick                 | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | Animaux                    | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | Ciné First                 | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5   | French                |
|                    |         |       | Ciné FX                    | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | Ciné Polar                 | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | <u>Bis</u>                 | package  | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 2.6/Viaccess 3.0                   |                       |
|                    |         |       | TF 1                       | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | Toute l'Histoire           | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | TV 5 Monde FBS             | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | XXL                        | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | Encyclopedia               | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | Action                     | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | Chasse & Pêche             | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5   | French                |
|                    |         |       | Mangas                     | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | AB 1                       | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | AB Moteurs                 | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | NT1                        | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | Escales                    | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | RTL 9                      | TV       | DVB   | 7/8           | 29.950 | Viaccess 2.5/Viaccess 3.0                                | French                |
|                    |         |       | RCF Berry                  | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Saint Martin           | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Parabole Dijon         | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Lumières               | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Le Puy en Velay        | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Lyon Fourvière         | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Savoie                 | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF                        | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Région 41              | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Correze                | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Pays d'Aude            | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Vivarais               | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Pays de l'Ain          | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Haute Normandie        | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Haute Savoie           | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Région 26              | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Jerico Nancy           | radio    | DVB   | 7/8           | 29.950 |  | French                |
|                    |         |       | RCF Bordeaux               | radio    | DVB   | 7/8           | 29.950 |  | French                |
| RCF Haute Alpes    | radio   | DVB   | 7/8                        | 29.950   |       | French        |        |  |                       |
| RCF Reims Ardennes | radio   | DVB   | 7/8                        | 29.950   |       | French        |        |  |                       |
| <u>France TV</u>   | package | DVB   | 2/3                        | 20.000   |       |               |        |  |                       |
| LCP                | TV      | DVB   | 2/3                        | 20.000   |       | French        |        |  |                       |
| ARTE Français      | TV      | DVB   | 2/3                        | 20.000   |       | French,German |        |  |                       |
| France 5           | TV      | DVB   | 2/3                        | 20.000   |       | French        |        |  |                       |
| France 3 Sat       | TV      | DVB   | 2/3                        | 20.000   | Y     | French        |        |  |                       |
| France 2           | TV      | DVB   | 2/3                        | 20.000   |       | French        |        |  |                       |
| A 12.522           | V       | Super | M6                         | TV       | SECAM | 5.80          | Y      | French   |                       |
| D 12.543           | H       | Super | <u>GlobeCast</u>           | package  | DVB   | 3/4           | 27.500 | Viaccess 2.3/Viaccess 2.4/Viaccess 2.5/Viaccess 3.0/BISS |                       |
|                    |         |       | Fox Life France            | TV       | DVB   | 3/4           | 27.500 | BISS   | French                |
|                    |         |       | MCM Belgique               | TV       | DVB   | 3/4           | 27.500 | Viaccess 2.3/Viaccess 2.5                                | French                |
|                    |         |       | France Bleu Île de France  | radio    | DVB   | 3/4           | 27.500 |  | French                |
|                    |         |       | Fréquence Conforama        | radio    | DVB   | 3/4           | 27.500 |  | French                |
|                    |         |       | SPAR Live                  | radio    | DVB   | 3/4           | 27.500 | Viaccess 2.4   |                       |
|                    |         |       | Radio Soleil               | radio    | DVB   | 3/4           | 27.500 |  |                       |
|                    |         |       | Lloydspharmacy Live        | radio    | DVB   | 3/4           | 27.500 | Viaccess 2.4   |                       |
|                    |         |       | Radio GiFi                 | radio    | DVB   | 3/4           | 27.500 |  |                       |
|                    |         |       | Capytol                    | radio    | DVB   | 3/4           | 27.500 |  | French                |
|                    |         |       | France Bleu                | radio    | DVB   | 3/4           | 27.500 |  | French                |
|                    |         |       | FIP                        | radio    | DVB   | 3/4           | 27.500 |  | French                |
|                    |         |       | France Bleu Frequenza Mora | radio    | DVB   | 3/4           | 27.500 |  | French                |
|                    |         |       | Fréquence But              | radio    | DVB   | 3/4           | 27.500 |  | French                |

| Freq (GHz) | Pol | Beam  | Channel              | Analogue |       | Audio MHz    | Text   | Access      | Lang.   |
|------------|-----|-------|----------------------|----------|-------|--------------|--------|-------------|---------|
|            |     |       |                      | Digital  | FEC   | MSy/s        |        |             |         |
| A 12.564   | V   | Super | France 2             | TV       | SECAM | 5.80         | Y      |             | French  |
| A 12.606   | V   | Super | France 5             | TV       | SECAM | 5.80         | Y      |             | French  |
| A 12.606   | V   | Super | ARTE Français        | TV       | SECAM | 5.80         | Y      |             | French  |
| A 12.648   | V   | Super | Canal + France       | TV       | SECAM | 60,7.02/7.20 | Y      | Nagravision | French  |
| A 12.690   | V   | Super | TF 1                 | TV       | SECAM | 5.80         | Y      |             | French  |
| D 12.711   | H   | Wide  | <b>ABS-CBN</b>       | package  | DVB   | 1/2          | 30.000 | Irdeto 2    |         |
|            |     |       | Kapamilya Channel    | TV       | DVB   | 1/2          | 30.000 | Irdeto 2    | Tagalog |
|            |     |       | Cinema One           | TV       | DVB   | 1/2          | 30.000 | Irdeto 2    | Tagalog |
|            |     |       | ABS-CBN News Channel | TV       | DVB   | 1/2          | 30.000 | Irdeto 2    | English |
|            |     |       | TFC Europe           | TV       | DVB   | 1/2          | 30.000 | Irdeto 2    | Tagalog |
|            |     |       | TFC Middle East      | TV       | DVB   | 1/2          | 30.000 | Irdeto 2    | Tagalog |
|            |     |       | DZMM                 | radio    | DVB   | 1/2          | 30.000 | Irdeto 2    | Tagalog |
|            |     |       | 101.9 For Life       | radio    | DVB   | 1/2          | 30.000 | Irdeto 2    | Tagalog |
| A 12.732   | V   | Super | France 3 Sat         | TV       | SECAM | 5.80         | Y      |             | French  |

#### ATLANTIC BIRD™ 4A (7°WEST)

|          |   |            |                               |         |     |     |        |  |         |
|----------|---|------------|-------------------------------|---------|-----|-----|--------|--|---------|
| D 10.719 | V | Middle Eas | <b>Nilesat</b>                | package | DVB | 3/4 | 27.500 |  |         |
|          |   |            | Al Afasy Quran                | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Al Jazeera Children's Channel | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Al Faraeen TV                 | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Majan                         | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Modern Masr promo             | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Ahlulbayt Satellite Channel   | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Al Athar TV                   | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Press TV                      | TV      | DVB | 3/4 | 27.500 |  | English |
|          |   |            | Sana Satellite Channel        | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Korea TV promo                | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Baraem                        | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
| D 10.723 | H | Middle Eas | Libya Educational 1           | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
| D 10.723 | H | Middle Eas | Al Torathiyah Radio           | radio   | DVB | 3/4 | 27.500 |  | Arabic  |
| D 10.758 | V | Middle Eas | <b>Nilesat</b>                | package | DVB | 3/4 | 27.500 |  |         |
|          |   |            | Sada TV                       | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Safa TV                       | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Almajd Al Hadeeth Al Nabawy   | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | OK TV                         | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Auto 1 TV                     | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | BBC Persian                   | TV      | DVB | 3/4 | 27.500 |  | Farsi   |
|          |   |            | Rotana Moussica               | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Rotana Khaleejiah             | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Mawaheb wa Afkar              | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Al Atheer TV                  | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Rotana Aghani                 | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Alhayat Mosalsalat            | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Al Maaly TV                   | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Motor TV promo                | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Al Kawther FM 92              | radio   | DVB | 3/4 | 27.500 |  | Arabic  |
| D 10.775 | H | Middle Eas | <b>Nilesat</b>                | package | DVB | 3/4 | 27.500 |  |         |
|          |   |            | Al Sehah wa al Jamal TV       | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Al Iraq Al Tarbawiyah         | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Cairo Cinema                  | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Waseet TV promo               | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Al-Qiethara TV                | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Al Wasl Al Arabi              | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Nickelodeon Arabia            | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Diewan Alarab TV              | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Alghadeer Channel             | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Hannibal Al Fardos            | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Panorama Drama 2              | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
| D 10.796 | V | Middle Eas | <b>Nilesat</b>                | package | DVB | 3/4 | 27.500 |  |         |
|          |   |            | Melody Tunes                  | TV      | DVB | 3/4 | 27.500 |  | English |
|          |   |            | Oman TV 2                     | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Al Tejarah TV                 | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Massaya TV                    | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Iraq TV promo                 | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Al Khalijiyah                 | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Tunisie 7                     | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | KurdSat                       | TV      | DVB | 3/4 | 27.500 |  | Kurdish |
|          |   |            | Al Mukhtalif                  | TV      | DVB | 3/4 | 27.500 |  | Arabic  |
|          |   |            | Al Fanoos TV                  | TV      | DVB | 3/4 | 27.500 |  | Arabic  |

| Freq<br>(GHz) | Pol | Beam       | Channel                           | Analogue |     | Audio MHz | Text   | Access  | Lang.   |
|---------------|-----|------------|-----------------------------------|----------|-----|-----------|--------|---|---------|
|               |     |            |                                   | Digital  | FEC | MSy/s     |        |   |         |
|               |     |            | Addounia TV                       | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Zagros TV                         | TV       | DVB | 3/4       | 27.500 |   | Kurdish |
|               |     |            | Al Amaken Satellite Channel       | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Radio Tunis                       | radio    | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Radio Zitouna FM                  | radio    | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Radio Tunis Chaîne Inter          | radio    | DVB | 3/4       | 27.500 |   |         |
|               |     |            | Radio Culture                     | radio    | DVB | 3/4       | 27.500 |   | Arabic  |
| D 10.892      | H   | Middle Eas | <u>Noorsat</u>                    | package  | DVB | 3/4       | 27.500 |   |         |
|               |     |            | Nagham                            | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Al Hayat                          | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Iraq Economic                     | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Alhayat Mosalsalat                | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Rusiya Al-Yaum                    | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Vin TV                            | TV       | DVB | 3/4       | 27.500 |   | Kurdish |
|               |     |            | Oscar Drama                       | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Al Rasheed TV                     | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Karbala Satellite Channel         | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Shababeek                         | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | OTV                               | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | KNN                               | TV       | DVB | 3/4       | 27.500 |   | Kurdish |
|               |     |            | VH TV                             | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Gali Kurdistan                    | TV       | DVB | 3/4       | 27.500 |   | Kurdish |
|               |     |            | W TV                              | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Radio Nawa Kurdish                | radio    | DVB | 3/4       | 27.500 |   | Kurdish |
|               |     |            | Radio Nawa Arabic                 | radio    | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Radio Sama FM                     | radio    | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Al Rasheed FM                     | radio    | DVB | 3/4       | 27.500 |   |         |
| D 10.911      | V   | Middle Eas | <u>Noorsat</u>                    | package  | DVB | 3/4       | 27.500 |   |         |
|               |     |            | Al Soriyah Al Tarbaweyyah         | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Abu Dhabi Al Emarat               | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Syria Drama                       | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Al Fayhaa TV                      | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Abu Dhabi Al Riyadiya 2           | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Thaqalayn TV promo                | TV       | DVB | 3/4       | 27.500 |   |         |
|               |     |            | Auto Moto TV                      | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Wesal TV                          | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Aqsa Satellite Channel            | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | EuroNews                          | TV       | DVB | 3/4       | 27.500 | English,French,German,Italian,Spanish,Portuguese,Russian,Arabic |         |
|               |     |            | Al Mustakillah TV                 | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Al Hiwar TV                       | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Orient TV                         | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Layalina                          | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Iza'at Sawt Alaqsa                | radio    | DVB | 3/4       | 27.500 |   | Arabic  |
| D 10.930      | H   | Middle Eas | <u>Jordan Media City</u>          | package  | DVB | 3/4       | 27.500 |   |         |
|               |     |            | Aghanina TV                       | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Algérie 5                         | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | ESPN Classic Middle East & Africa | TV       | DVB | 3/4       | 27.500 | Irdeto 2  | English |
|               |     |            | ESPN America Europe               | TV       | DVB | 3/4       | 27.500 | Irdeto 2  | English |
|               |     |            | ESPN Middle East                  | TV       | DVB | 3/4       | 27.500 | Irdeto 2  | English |
|               |     |            | Algérie 4                         | TV       | DVB | 3/4       | 27.500 |   |         |
|               |     |            | Al Etejah Satellite Channel       | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | International Industrial Channel  | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Al Babeleyia Sat Channel          | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Arab TV                           | TV       | DVB | 3/4       | 27.500 |   |         |
|               |     |            | Live TV                           | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Indus Vision                      | TV       | DVB | 3/4       | 27.500 | Irdeto 2  | Urdu    |
|               |     |            | ART Al Layth                      | TV       | DVB | 3/4       | 27.500 | Irdeto 2/Access 3.0   | Arabic  |
|               |     |            | Aaj News                          | TV       | DVB | 3/4       | 27.500 | Irdeto 2  | Urdu    |
| D 11.317      | V   | Middle Eas | <u>Noorsat</u>                    | package  | DVB | 3/4       | 27.500 |   |         |
|               |     |            | Watani                            | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Jamawar Kurdistan                 | TV       | DVB | 3/4       | 27.500 |   |         |
|               |     |            | Al Maaref TV                      | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Toyor Al-Janah                    | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Sada Al Islam                     | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Arrai                             | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Hadi TV                           | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Al Hekmah TV                      | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Makkah TV                         | TV       | DVB | 3/4       | 27.500 |   | Arabic  |
|               |     |            | Sajaya TV                         | TV       | DVB | 3/4       | 27.500 |   | Arabic  |

| Freq<br>(GHz) | Pol | Beam       | Channel   | Analogue |     | Audio MHz | Text<br>MSy/s | Access | Lang.   |
|---------------|-----|------------|---|----------|-----|-----------|---------------|--------|---------|
|               |     |            |   | Digital  | FEC |           |               |        |         |
| D 11.355      | V   | Middle Eas | Hayatona  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Tawasul TV  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Misk TV   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Alquds Satellite Channel                            | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Karameesh   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | 4Shbab TV   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al-Lubnania   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al Rouh TV  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | <u>STN</u>  | package  | DVB | 3/4       | 27.500        |        |         |
|               |     |            | Ta3arof TV  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
| D 12.341      | V   | Middle Eas | Zanoubia TV   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | MTA 3 Al Arabiyah                                   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | <u>Du</u>   | package  | DVB | 3/4       | 27.500        |        |         |
|               |     |            | NDTV Imagine  | TV       | DVB | 3/4       | 27.500        |        | Hindi   |
|               |     |            | Fatafeat  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Dubai Sports 2                                      | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Space Toon English                                  | TV       | DVB | 3/4       | 27.500        |        | English |
|               |     |            | Asia Business TV                                    | TV       | DVB | 3/4       | 27.500        |        | Chinese |
|               |     |            | DM TV   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Rak TV  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
| D 12.360      | H   | Middle Eas | Al Aan TV   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | MBC Persia  | TV       | DVB | 3/4       | 27.500        |        | Farsi   |
|               |     |            | Korek   | TV       | DVB | 3/4       | 27.500        |        |         |
|               |     |            | NDTV Arabia   | TV       | DVB | 3/4       | 27.500        |        | English |
|               |     |            | <u>Nilesat</u>                                      | package  | DVB | 3/4       | 27.500        |        |         |
|               |     |            | Al Jazeera Documentary                              | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al Hafez  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al Mosullia   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al Hadath   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Libya Sports 2                                      | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
| D 12.380      | V   | Middle Eas | Dejla TV  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al Ahly Club  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Panorama Drama                                      | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al Badeel   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al Salam TV   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Alpha   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Libya Sports 1                                      | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al Libiya TV  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al Salam Radio                                      | radio    | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al Libiya FM  | radio    | DVB | 3/4       | 27.500        |        | Arabic  |
| D 12.399      | H   | Middle Eas | <u>Jordan Media City</u>                            | package  | DVB | 3/4       | 27.500        |        |         |
|               |     |            | Al Haqeeqa al Dawliyah                              | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Bilad Al Orb Awtani promo                           | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al Teb Al Nabawi                                    | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Done Deal   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Arab Motors TV                                      | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | JoSat   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al Filastiniyah                                     | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | <u>Nilesat</u>                                      | package  | DVB | 3/4       | 27.500        |        |         |
|               |     |            | Al-Adala TV   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
| D 12.418      | V   | Middle Eas | Al Hurrya   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Türkmeneli TV                                       | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Télé Liban  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Eve TV  | TV       | DVB | 3/4       | 27.500        |        | English |
|               |     |            | Moga Comedy TV                                      | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al Ghinaiyah  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al-Iraqiya Sports                                   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Kurdistan TV  | TV       | DVB | 3/4       | 27.500        |        | Kurdish |
|               |     |            | Al Masar TV   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Fareek Awal Al Tareek promo                         | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
| D 12.418      | V   | Middle Eas | Libya Al Shababiyah                                 | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | On TV promo   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Ashur TV  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Türkmeneli FM                                       | radio    | DVB | 3/4       | 27.500        |        | Turkish |
|               |     |            | Iza'at Al-Quran Al-Kareem wa al Barameg Al-Deeniyah | radio    | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | <u>Nilesat</u>                                      | package  | DVB | 3/4       | 27.500        |        |         |
|               |     |            | MTV   | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al Anbar  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Al-Iraqiya TV                                       | TV       | DVB | 3/4       | 27.500        |        | Arabic  |
|               |     |            | Cairo University 1                                  | TV       | DVB | 3/4       | 27.500        |        | Arabic  |

| Freq<br>(GHz) | Pol | Beam       | Channel                | Analogue Audio MHz |     |     | Text<br>MSy/s | Access | Lang.  |
|---------------|-----|------------|------------------------|--------------------|-----|-----|---------------|--------|--------|
|               |     |            |                        | Digital            | FEC |     |               |        |        |
|               |     |            | Al Bader               | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Fox Series             | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Rotana Tarab           | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Rotana Clip            | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Roaia                  | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Daleel TV Channel      | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Al Forqan TV           | TV                 | DVB | 3/4 | 27.500        |        |        |
|               |     |            | Tunisie 21             | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Republic of Iraq Radio | radio              | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Iza'at Al-Jeel         | radio              | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Shahrazad Radio        | radio              | DVB | 3/4 | 27.500        |        | Arabic |
| D 12.476      | H   | Middle Eas | <u>Nilesat</u>         | package            | DVB | 3/4 | 27.500        |        |        |
|               |     |            | Aalam al Insaniyah     | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Modern Sport           | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Al Sabah TV            | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Melody Trix            | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Life Style             | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Al Jazeera Mobasher    | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Afaq TV                | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Aamal TV               | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Al Saah                | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Nile Family and Kids   | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Al Lord TV             | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Modern Sport 2         | TV                 | DVB | 3/4 | 27.500        |        | Arabic |
|               |     |            | Al Rahma TV            | TV                 | DVB | 3/4 | 27.500        |        | Arabic |