



## **Eutelsat TV Line-Up**

### **Channels transmitted by Eutelsat satellites**

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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.

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
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## EUTELSAT 117 WEST A

3.720	V C	Edusat	package	DVB-S	3/4	27.000		
	C	Telesecundaria	TV	DVB-S	3/4	27.000		Spanish
	C	TV Docencia	TV	DVB-S	3/4	27.000		Spanish
	C	ILCE Canal 13 Innova Conocimiento	TV	DVB-S	3/4	27.000		Spanish
	C	UnAD	TV	DVB-S	3/4	27.000		Spanish
	C	ILCE Canal 15 Summa Saberes	TV	DVB-S	3/4	27.000		Spanish
	C	Canal 22 Nacional	TV	DVB-S	3/4	27.000		Spanish
	C	Telebachillerato	TV	DVB-S	3/4	27.000		Spanish
	C	Tele México	TV	DVB-S	3/4	27.000		Spanish
	C	TV Universidad	TV	DVB-S	3/4	27.000		Spanish
	C	Red de las Artes	TV	DVB-S	3/4	27.000		Spanish
	C	Aprende TV	TV	DVB-S	3/4	27.000		Spanish
	C	Canal del Congreso	TV	DVB-S	3/4	27.000		Spanish
	C	Especiales	TV	DVB-S	3/4	27.000		Spanish
	C	Transmisiones Especiales 27	TV	DVB-S	3/4	27.000		Spanish
	C	TV UNAM	TV	DVB-S	3/4	27.000		Spanish
3.744	V C	INE TV	TV	DVB-S2	3/4	2.665		Spanish
3.748	V C	Radio Centro	radio	DVB-S	7/8	2.100		Spanish
3.768	V C	Inti Network	TV	DVB-S2	3/4	4.800		Spanish
3.772	V C	Gama TV	TV	DVB-S	3/4	3.515	BISS	Spanish
3.786	V C	Telecentro	TV	DVB-S	3/4	4.000		Spanish
3.798	V C	TPSD	package	DVB-S2	8/9	5.225		
	C	Color Visión 9	TV	DVB-S2	8/9	5.225		Spanish
	C	Noticias 16	TV	DVB-S2	8/9	5.225		Spanish
	C	Canal 25	TV	DVB-S2	8/9	5.225		Spanish
	C	Buenavision TV	TV	DVB-S2	8/9	5.225		Spanish
	C	Sport Vision	TV	DVB-S2	8/9	5.225		Spanish
	C	Red Nacional de Noticias	TV	DVB-S2	8/9	5.225		Spanish
	C	Santo Domingo TV	TV	DVB-S2	8/9	5.225		Spanish
	C	Naranja TV	TV	DVB-S2	8/9	5.225		Spanish
3.804	H C	Canal Judicial	TV	DVB-S	3/4	4.000		Spanish
	C	Congreso TV	TV	DVB-S2	5/6	1.480		Spanish
3.808	H C	Canal Antigua	TV	DVB-S	3/4	2.170		Spanish
3.820	H C	Canal Uno	TV	DVB-S2	3/4	2.000	BISS	Spanish
3.824	H C	Canal 10	TV	DVB-S	3/4	1.808		Spanish
3.840	V C	unknown	package	DVB-S2	3/4	30.000	PowerVu	
	C	Film & Arts México	TV	DVB-S2	3/4	30.000	PowerVu	Spanish,English
	C	TVC Deportes 2	TV	DVB-S2	3/4	30.000	PowerVu	Spanish
	C	Mega Sports	TV	DVB-S2	3/4	30.000	PowerVu	Spanish
	C	Pánico	TV	DVB-S2	3/4	30.000	PowerVu	Spanish
	C	TVC	TV	DVB-S2	3/4	30.000	PowerVu	Spanish
	C	Video Rola	TV	DVB-S2	3/4	30.000	PowerVu	Spanish
	C	Pasiones Latinoamérica	TV	DVB-S2	3/4	30.000	PowerVu	Spanish,English
	C	Cine Mexicano	TV	DVB-S2	3/4	30.000	PowerVu	Spanish,English
	C	Pánico	TV	DVB-S2	3/4	30.000	PowerVu	Spanish,English
	C	AMC México	TV	DVB-S2	3/4	30.000	PowerVu	Spanish,English
	C	Platino 2	TV	DVB-S2	3/4	30.000	PowerVu	Spanish,English
	C	Platino	TV	DVB-S2	3/4	30.000	PowerVu	Spanish,English
	C	Más Chic Lationamérica	TV	DVB-S2	3/4	30.000	PowerVu	Spanish,English
	C	Elgourmet	TV	DVB-S2	3/4	30.000	PowerVu	Spanish
	C	Sundance TV Latin America	TV	DVB-S2	3/4	30.000	PowerVu	Spanish,English
	C	Hola! TV	TV	DVB-S2	3/4	30.000	PowerVu	Spanish
	C	NFL Network	TV	DVB-S2	3/4	30.000	PowerVu	Spanish,English
3.845	H C	Azteca Guatemala	TV	DVB-S	3/4	3.460	BISS	Spanish
3.850	H C	El Financiero Bloomberg	TV	DVB-S2	5/6	5.000		Spanish
3.853	H C	UCSG TV	TV	DVB-S2	3/4	1.667		Spanish
3.868	V C	unknown	package	DVB-S2	3/4	8.131		
	C	PX Sports	TV	DVB-S2	3/4	8.131		Spanish
	C	Trace Sport Stars	TV	DVB-S2	3/4	8.131	BISS	English
3.883	H C	TV Manabita	TV	DVB-S2	3/4	1.350		Spanish
3.888	V C	Telerama	TV	DVB-S2	2/3	1.480		Spanish
3.890	V C	Telefuturo	TV	DVB-S	3/4	1.475		Spanish

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
3.897	V C	Canela TV	TV	DVB-S	3/4	1.480		Spanish
3.899	H C	CorTV	TV	DVB-S2	3/4	4.167		Spanish
	C	Oaxaqueña Radio Aro FM	radio	DVB-S2	3/4	4.167		Spanish
	C	Global 96.9 Aro FM	radio	DVB-S2	3/4	4.167		Spanish
3.903	V C	La Voz de Marfa	TV	DVB-S	7/8	2.200		Spanish
	C	UNAH UTV	TV	DVB-S2	5/6	1.480		Spanish
3.905	H C	Teleceiba	TV	DVB-S2	3/4	1.600		Spanish
3.908	H C	Canal Antigua	TV	DVB-S	3/4	2.170		Spanish
3.911	H C	Veá Canal	TV	DVB-S	3/4	2.500		Spanish
3.916	H C	IPN	TV	DVB-S	3/4	1.520		Spanish
3.920	V C	MW Network	package	Digicipher 2	3/4	7.320	Encrypted	
	C	Movie World	TV	Digicipher 2	3/4	7.320	Encrypted	Spanish
	C	Momentum	TV	Digicipher 2	3/4	7.320	Encrypted	Spanish
	C	Beverly Hills Movies	TV	Digicipher 2	3/4	7.320	Encrypted	Spanish
3.926	V C	Globo TV	TV	DVB-S	3/4	2.222		Spanish
	C	Radio Globo Honduras	radio	DVB-S	3/4	2.222		Spanish
3.930	V C	Teleuniverso	TV	DVB-S	7/8	2.310		Spanish
3.932	V C	Mas TV Canal 54	TV	DVB-S2	3/4	1.447		Spanish
3.940	H C	Televisa Networks	package	Digicipher 2	3/4	29.270	Encrypted	
	C	De Película	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
	C	Golden	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
	C	Golden Edge	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
	C	Unicable	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
	C	TeleHit	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
	C	RMS	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
	C	Bandamax	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
	C	Tinovelas América	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
	C	Las Estrellas México	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
	C	Foro TV	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
	C	Canal 5	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
	C	Gala TV	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
	C	Tiin	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
	C	Las Estrellas México +2	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
3.949	V C	Waldivisión Internacional	TV	DVB-S2	3/4	11.250		Spanish
	C	TVH	TV	DVB-S2	3/4	11.250		Spanish
	C	CCI Channel	TV	DVB-S2	3/4	11.250		Spanish
	C	FFAA TV	TV	DVB-S2	3/4	11.250		Spanish
	C	Nuevo Mundo	TV	DVB-S2	3/4	11.250		Spanish
	C	CHTV	TV	DVB-S2	3/4	11.250		Spanish
	C	Radio Globo Honduras	radio	DVB-S2	3/4	11.250		Spanish
	C	HCH Radio	radio	DVB-S2	3/4	11.250		Spanish
	C	Radio Visión Honduras	radio	DVB-S2	3/4	11.250		Spanish
3.957	V C	unknown	package	DVB-S2	3/4	1.595		
	C	Todo Deportes TV	TV	DVB-S2	3/4	1.595		Spanish
	C	Canal 11	TV	DVB-S2	3/4	1.595		Spanish
	C	TeleProgreso	TV	DVB-S2	3/4	1.595		Spanish
	C	TVH	TV	DVB-S2	3/4	1.595		Spanish
	C	JBN TV	TV	DVB-S2	3/4	1.595		Spanish
	C	CCI Channel	TV	DVB-S2	3/4	1.595		Spanish
	C	FFAA TV	TV	DVB-S2	3/4	1.595		Spanish
	C	Nuevo Mundo	TV	DVB-S2	3/4	1.595		Spanish
	C	Canal 11	TV	DVB-S2	3/4	1.595		Spanish

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	C	DTV	TV	DVB-S2	3/4	1.595		Spanish
	C	Si TV	TV	DVB-S2	3/4	1.595		Spanish
	C	Radio Globo Honduras	radio	DVB-S2	3/4	1.595		Spanish
	C	Mi Viña Channel	TV	DVB-S2	3/4	1.595		Spanish
	C	HCH	TV	DVB-S2	3/4	1.595		Spanish
	C	CHTV	TV	DVB-S2	3/4	1.595		Spanish
	C	Musiquera	radio	DVB-S2	3/4	1.595		Spanish
	C	HCH Radio	radio	DVB-S2	3/4	1.595		Spanish
	C	Radio Visión Honduras	radio	DVB-S2	3/4	1.595		Spanish
3.960	V C	CB TV México	TV	DVB-S2	5/6	1.595		Spanish
3.962	V C	NTV	TV	DVB-S2	3/4	1.800		Spanish
3.968	V C	Ecuavisa	package	DVB-S	3/4	7.500	BISS	
	C	Ecuavisa	TV	DVB-S	3/4	7.500	BISS	Spanish
	C	Ecuavisa Internacional	TV	DVB-S	3/4	7.500	BISS	Spanish
3.969	H C	Monte María TV	TV	DVB-S2	3/4	1.100		Spanish
3.975	H C	Honduras mux	package	DVB-S2	3/4	2.170		
	C	TV Nacional de Honduras	TV	DVB-S2	3/4	2.170		Spanish
	C	Congreso TV	TV	DVB-S2	3/4	2.170		Spanish
3.976	V C	RTG	TV	DVB-S	3/4	2.666		Spanish
3.984	V C	NTR Canal 44	TV	DVB-S	3/4	3.100		Spanish
4.009	V C	Dominican Republic mux	package	DVB-S	3/4	6.379		
	C	Tele Antillas	TV	DVB-S	3/4	6.379		Spanish
	C	Coral 39	TV	DVB-S	3/4	6.379		Spanish
	C	Telesistema	TV	DVB-S	3/4	6.379		Spanish
4.014	H C	unknown	package	DVB-S2	5/6	17.600		
	C	Claro Sports	TV	DVB-S2	5/6	17.600		Spanish
	C	Concert Channel	TV	DVB-S2	5/6	17.600		English
	C	Canal Claro	TV	DVB-S2	5/6	17.600		Spanish
	C	Claro Cinema	TV	DVB-S2	5/6	17.600		Spanish
4.015	V C	Ecuador TV 7	TV	DVB-S	3/4	3.000		Spanish
4.031	V C	Dominican Republic mux	package	DVB-S	5/6	15.200		
	C	Telemicro Canal 5	TV	DVB-S	5/6	15.200		Spanish
	C	Telemicro Internacional	TV	DVB-S	5/6	15.200		Spanish
	C	Digital 15	TV	DVB-S	5/6	15.200		Spanish
	C	Independencia FM	radio	DVB-S	5/6	15.200		Spanish
	C	Primera FM	radio	DVB-S	5/6	15.200		Spanish
4.044	H C	Panamericana TV	TV	DVB-S	3/4	3.333		Spanish
4.049	H C	México Gobierno Federal	package	DVB-S	3/4	3.330		
4.052	V C	TV Méxicuense	package	DVB-S2	3/4	5.146		
	C	TV Méxicuense	TV	DVB-S2	3/4	5.146		Spanish
	C	+ Méxicuense	TV	DVB-S2	3/4	5.146		Spanish
	C	Radio Méxicuense 91.1 FM	radio	DVB-S2	3/4	5.146		Spanish
	C	Radio Méxicuense 1600 AM	radio	DVB-S2	3/4	5.146		Spanish
4.057	V C	CB TV Michoacan	TV	DVB-S2	5/6	1.596		Spanish
4.064	H C	unknown	package	Digicipher 2	3/4	19.510		
	C	Canal del Congreso	TV	Digicipher 2	3/4	19.510		Spanish
	C	Canal Once	TV	Digicipher 2	3/4	19.510	Encrypted	Spanish
	C	Canal Judicial	TV	Digicipher 2	3/4	19.510		Spanish
	C	Gobierno de la República	TV	Digicipher 2	3/4	19.510		Spanish
	C	Canal Once	TV	Digicipher 2	3/4	19.510		Spanish
4.075	H C	Cemesatel	TV	DVB-S	3/4	2.962		Spanish
4.084	H C	Guatevisión	TV	DVB-S	7/8	3.162		Spanish
4.090	H C	El Financiero Bloomberg	package	DVB-S2	5/6	5.000		
	C	El Financiero Bloomberg	TV	DVB-S2	5/6	5.000		Spanish
	C	El Financiero Bloomberg	TV	DVB-S2	5/6	5.000		Spanish
4.098	H C	Tele Ciudadana	TV	DVB-S	2/3	3.200		Spanish
4.103	H C	Ecuavisa Quito	TV	DVB-S2	2/3	1.600		Spanish
4.106	H C	Telesur	TV	DVB-S	2/3	3.200		Spanish
4.109	H C	México Travel Channel	TV	DVB-S2	3/4	2.885		Spanish
4.116	H C	TV Arquidiocesana	TV	DVB-S2	3/4	2.500		Spanish

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
4.120	V C	unknown	package	DVB-S2	5/6	30.000		
	C	Nacion TV Internacional	TV	DVB-S2	5/6	30.000	Digicipher	Spanish
	C	Flow Sports	TV	DVB-S2	5/6	30.000		English
4.134	H C	Ecuador TV	package	DVB-S	3/4	4.400		
	C	Ecuador TV 7	TV	DVB-S	3/4	4.400		Spanish
	C	Ecuador TV Internacional	TV	DVB-S	3/4	4.400		Spanish
4.155	H C	Oromar TV	TV	DVB-S2	3/4	1.480		Spanish
4.175	H C	RTV	TV	DVB-S2	?	1.850		Spanish
4.178	H C	Azteca Honduras	TV	DVB-S2	3/4	2.800		Spanish
4.189	H C	Edusat	package	Digicipher 2	3/4	9.760		
	C	Telesecundaria	TV	Digicipher 2	3/4	9.760		Spanish
	C	TV Docencia	TV	Digicipher 2	3/4	9.760		Spanish
	C	TV UNAM	TV	Digicipher 2	3/4	9.760		Spanish
12.060	V Ku 2	Tigo	package	DVB-S	3/4	30.000	Conax	
	Ku 2	History Latinoamérica	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Tigo promo	TV	DVB-S	3/4	30.000		Spanish
	Ku 2	Warner Channel Atlántico Sur	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	AXN Latinoamérica	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Canal Sony Sur	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	E! Latinoamérica	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	HBO Family Latinoamérica	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	MTV Latino	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Max Prime Este	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Universal Channel América Latina Este	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	I-Sat	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Fox Premium Family Este	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Fox Premium Cinéma	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Az Mundo	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Caracol TV	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Golden Latinoamérica	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	AMC Latin America	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Golden Edge	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Fox Sports Latin America	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Fox Sports 3 Latin America	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Discovery Turbo América Latina	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Cinemax Latinoamérica	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	EWTN España Latinoamérica	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Fox Sports 2 Latin America	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Cinecanal Este	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	HBO 2 Latinoamérica	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	National Geographic Atlántico Sur	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	H2 Latinoamérica	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	HBO Latinoamérica	TV	DVB-S	3/4	30.000	Conax	Spanish
12.080	H Ku 2	Tigo	package	DVB-S	3/4	30.000	Conax	
	Ku 2	Ve Plus TV	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Space Sur	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	FX Norte	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	AXN Latinoamérica	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	ESPN América Latina	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	ESPN 2 América Latina	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Fox Life Sur	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Telemundo Internacional	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Az Corazón	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	ESPN 3 América Latina	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Pasiones Latinoamérica	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Fox Latin America	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	TLC Latinoamérica	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Space Sur	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	FX Norte	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Canal 2	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Canal 4	TV	DVB-S	3/4	30.000	Conax	Spanish

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Ku 2	Canal 12	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Canal 6	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	Megavisión Canal 21	TV	DVB-S	3/4	30.000	Conax	Spanish
12.100	V Ku 2	Tigo	package	DVB-S	3/4	29.000	Conax	
	Ku 2	TNT América Latina	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Elgourmet	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Nick Jr Latin America	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Boomerang Latin America	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	TVE Internacional América 1	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Cartoon Network Latin America	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Animal Planet Latinoamérica	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Fox Premium Movies	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Fox Premium Action Este	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	HTV	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Investigation Discovery Latinoamérica	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Discovery Channel Latinoamérica	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	TCM América Latina	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Discovery Kids América Latina	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Disney Junior Argentina	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	TLC Latinoamérica	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	CNN en Español	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	TNT Series Argentina	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Venus	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	TNT América Latina	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Discovery Home & Health Latinoamérica	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Fox Premium Series Este	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Nickelodeon Sur	TV	DVB-S	3/4	29.000	Conax	Spanish
12.123	V Ku 2	Tele Vida Abundante	TV	DVB-S2	3/4	3.078		Spanish
12.184	H Ku 2	XEWT 12	TV	DVB-S2	3/4	1.680	BISS	Spanish
12.189	H Ku 2	XEWT 12	TV	DVB-S	7/8	1.660	BISS	Spanish

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3.704	V C 1	Canal Pro	TV	DVB-S	3/4	2.120		Spanish
3.720	V C 1	TRC TV	TV	DVB-S2	5/6	3.000		Spanish
3.731	V C 1	TV Tabasqueña	TV	DVB-S	7/8	3.782		Spanish
	C 1	La Más Choca de Todas	radio	DVB-S	7/8	3.782		Spanish
3.736	V C 1	TeleFórmula	TV	DVB-S	3/4	3.254		Spanish
3.744	V C 1	TV Cuatro 4.1	TV	DVB-S	3/4	2.893		Spanish
3.747	H C 1	Veracidad Channel	TV	DVB-S	7/8	2.542		Spanish
3.752	V C 1	Telemar	TV	DVB-S	3/4	2.893		Spanish
3.760	V C 1	Telesur	TV	DVB-S	3/4	2.893		Spanish
3.764	H C 1	RCG TV 1	TV	DVB-S	3/4	2.934		Spanish
3.765	V C 1	Megacanal	TV	DVB-S	3/4	3.254		Spanish
3.768	H C 1	Sistema Michoacano de TV	TV	DVB-S	7/8	2.976		Spanish
	C 1	La Radio de Todos FM	radio	DVB-S	7/8	2.976		Spanish
3.769	V C 1	Video Rola	TV	DVB-S	3/4	3.363		Spanish
	C 1	La Radio de Todos FM	radio	DVB-S	3/4	3.363		Spanish
3.773	V C 1	Green TV	TV	DVB-S	3/4	2.532		Spanish
	C 1	Trecevisión	TV	DVB-S	3/4	2.875		Spanish
3.779	H C 1	TeleFórmula	TV	DVB-S2	2/3	4.800		Spanish
3.780	H C 1	Azteca Siete	package	DVB-S	5/6	4.406		
3.784	H C 1	Tele 10	TV	DVB-S	7/8	2.666		Spanish
3.787	H C 1	unknown	package	DVB-S	3/4	2.083		
	C 1	W Radio	radio	DVB-S	3/4	2.083		Spanish
	C 1	Radiopolis	radio	DVB-S	3/4	2.083		Spanish
	C 1	Los 40 Principales México	radio	DVB-S	3/4	2.083		Spanish
	C 1	Ke buena	radio	DVB-S	3/4	2.083		Spanish
	C 1	TDW	radio	DVB-S	3/4	2.083		Spanish
	C 1	W Radio	radio	DVB-S	3/4	2.083		Spanish
	C 1	Los 40 Principales México	radio	DVB-S	3/4	2.083		Spanish
	C 1	Los 40 Principales México	radio	DVB-S	3/4	2.083		Spanish
	C 1	Ke buena	radio	DVB-S	3/4	2.083		Spanish
	C 1	Ke buena	radio	DVB-S	3/4	2.083		Spanish

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	C 1	WFM	radio	DVB-S	3/4	2.083		Spanish
3.794	H C 1	RCG TV 1	TV	DVB-S2	3/5	1.660		Spanish
3.796	H C 1	TV Tabasqueña	TV	DVB-S	?	3.470		Spanish
3.809	H C 1	Canal 22	package	DVB-S2	5/6	10.000		
	C 1	Canal 22 Metropolitana y Nacional	TV	DVB-S2	5/6	10.000		Spanish
	C 1	Canal 22 Nacional	TV	DVB-S2	5/6	10.000	BISS	Spanish
	C 1	Canal 22.2	TV	DVB-S2	5/6	10.000		Spanish
	C 1	Canal 22 Metropolitana y Nacional	TV	DVB-S2	5/6	10.000		Spanish
3.821	H C 1	Hidalgo TV	TV	DVB-S	7/8	3.255		Spanish
	C 1	Hidalgo Radio	radio	DVB-S	7/8	3.255		Spanish
3.824	H C 1	Canal 6 Media TV	TV	DVB-S2	7/8	2.400		Spanish
3.828	V C 1	Conoce México	TV	DVB-S	5/6	2.550		Spanish
3.829	H C 1	Canal Once	TV	DVB-S2	5/6	3.620		Spanish
3.834	H C 1	Canal Catorce	TV	DVB-S2	5/6	3.620		Spanish
3.835	V C 1	Mayavisión	TV	DVB-S	3/4	1.807		Spanish
3.837	V C 1	Conoce México	TV	DVB-S	7/8	2.550		Spanish
3.848	H C 1	World TV	TV	DVB-S2	3/4	3.200		Spanish
	C 1	Altavisión	TV	DVB-S2	2/3	19.165	PowerVu	Spanish
3.853	H C 1	Imagen Informativa	TV	DVB-S	3/4	3.255		Spanish
3.857	H C 1	C7 Jalisco 17.1	TV	DVB-S	3/4	2.804		Spanish
	C 1	XEJB AM 630	radio	DVB-S	3/4	2.804		Spanish
	C 1	XEJB FM 96.3	radio	DVB-S	3/4	2.804		Spanish
3.863	H C 1	1510 La Nueva Radio	radio	DVB-S	3/4	3.200		Spanish
3.867	H C 1	Tlaxcala TV	TV	DVB-S2	3/5	2.415		Spanish
	C 1	Radio Tlaxcala	radio	DVB-S2	3/5	2.415		Spanish
3.875	H C 1	Imagen TV	TV	DVB-S2	?	5.000		Spanish
3.880	V C 1	TVC Networks	package	DVB-S2	2/3	30.000	PowerVu	
	C 1	MTV Latino	TV	DVB-S2	2/3	30.000	PowerVu	Spanish
	C 1	Nickelodeon Norte	TV	DVB-S2	2/3	30.000	PowerVu	Spanish
	C 1	KW TV	TV	DVB-S2	2/3	30.000	PowerVu	Spanish
	C 1	NBA TV	TV	DVB-S2	2/3	30.000	PowerVu	English
	C 1	Excélsior TV	TV	DVB-S2	2/3	30.000	PowerVu	Spanish
	C 1	TeleFórmula	TV	DVB-S2	2/3	30.000	PowerVu	Spanish
	C 1	Cine Nostalgia	TV	DVB-S2	2/3	30.000	PowerVu	Spanish
	C 1	Cine Estelar	TV	DVB-S2	2/3	30.000	PowerVu	Spanish
	C 1	WOBI TV	TV	DVB-S2	2/3	30.000	PowerVu	Spanish
	C 1	Ocho TV	TV	DVB-S2	2/3	30.000		Spanish
	C 1	Megacanal	TV	DVB-S2	2/3	30.000		Spanish
	C 1	TVC	TV	DVB-S2	2/3	30.000	PowerVu	Spanish
	C 1	Video Rola	TV	DVB-S2	2/3	30.000	PowerVu	Spanish
	C 1	TVC Deportes	TV	DVB-S2	2/3	30.000	PowerVu	Spanish
	C 1	Efeko TV	TV	DVB-S2	2/3	30.000	PowerVu	Spanish
	C 1	Green TV	TV	DVB-S2	2/3	30.000	PowerVu	Spanish
3.955	H C 1	Excélsior TV	TV	DVB-S2	?	2.400		Spanish
4.034	H C 3	Claro TV promo	TV	DVB-S	3/4	3.551		Spanish
4.064	V C 3	TV Más	TV	DVB-S2	3/4	3.080		Spanish
	C 3	Radiomás	radio	DVB-S2	3/4	3.080		Spanish
4.140	H C 3	Alterna TV	package	DVB-S2	5/6	30.000	PowerVu	
	C 3	Canal Once	TV	DVB-S2	5/6	30.000	PowerVu	Spanish
	C 3	Fix & Foxi	TV	DVB-S2	5/6	30.000	PowerVu	German
	C 3	AyM Sports	TV	DVB-S2	5/6	30.000	PowerVu	Spanish
	C 3	Latin American Sports USA	TV	DVB-S2	5/6	30.000	PowerVu	Spanish
	C 3	Latin American Sports Puerto Rico	TV	DVB-S2	5/6	30.000	PowerVu	Spanish
	C 3	Telemicro Internacional	TV	DVB-S2	5/6	30.000	PowerVu	Spanish
	C 3	Ecuavisa Internacional	TV	DVB-S2	5/6	30.000	PowerVu	Spanish
	C 3	CB TV Michoacan	TV	DVB-S2	5/6	30.000	PowerVu	Spanish
	C 3	PX Sports	TV	DVB-S2	5/6	30.000	PowerVu	Spanish
	C 3	Canal 22 Internacional	TV	DVB-S2	5/6	30.000	PowerVu	Spanish
	C 3	Motorsport TV North America	TV	DVB-S2	5/6	30.000	PowerVu	English
	C 3	Motorsport TV Latin America	TV	DVB-S2	5/6	30.000	PowerVu	Spanish
4.189	H C 3	The Erotic Networks	package	DVB-S2	5/6	15.000	Digicipher	
	C 3	Hustler TV USA	TV	DVB-S2	5/6	15.000	Digicipher	English
	C 3	Manhandle XX.5	TV	DVB-S2	5/6	15.000	Digicipher	English
	C 3	Cheap Thrills	TV	DVB-S2	5/6	15.000	Digicipher	English

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	C 3	Xtsy Latin	TV	DVB-S2	5/6	15.000	Digicipher	English
	C 3	Xtsy XXX	TV	DVB-S2	5/6	15.000	Digicipher	English
	C 3	Juicy	TV	DVB-S2	5/6	15.000	Digicipher	English
	C 3	Real	TV	DVB-S2	5/6	15.000	Digicipher	English
	C 3	Penthouse TV	TV	DVB-S2	5/6	15.000	Digicipher	English
	C 3	Xtsy XX.5	TV	DVB-S2	5/6	15.000	Digicipher	English
	C 3	TEN	TV	DVB-S2	5/6	15.000	Digicipher	English
	C 3	Manhandle XXX	TV	DVB-S2	5/6	15.000	Digicipher	English
	C 3	Girlfriends Films	TV	DVB-S2	5/6	15.000	Digicipher	English
	C 3	Hustler HD USA	TV	DVB-S2	5/6	15.000	Digicipher	English
11.994	V Ku 2	unknown	package	DVB-S	2/3	4.340		
	Ku 2	Esperanza TV	TV	DVB-S	2/3	4.340		Spanish
	Ku 2	Hope Channel	TV	DVB-S	2/3	4.340		English
	Ku 2	Radio Nuevo Tiempo	radio	DVB-S	2/3	4.340		English
12.046	H Ku 2	Reuters Live	TV	DVB-S2	3/5	18.900		English
12.076	H Ku 2	BVN TV Amerika	TV	DVB-S	?	5.787		Dutch
	Ku 2	VRT Radio 1	radio	DVB-S	?	5.787		Dutch
12.089	H Ku 2	BVN TV Amerika	TV	DVB-S	3/4	13.500		Dutch
	Ku 2	VRT Radio 1	radio	DVB-S	3/4	13.500		Dutch
12.161	H Ku 2	Apostolic Oneness Network	TV	DVB-S	3/4	1.480		English

## EUTELSAT 8 WEST B

3.807	R C	Soico TV	package	DVB-S2	5/6	3.250		
	C	STV Noticias	TV	DVB-S2	5/6	3.250		Portuguese
	C	Soico TV	TV	DVB-S2	5/6	3.250		Portuguese
	C	Soico FM	radio	DVB-S2	5/6	3.250		Portuguese
3.825	L C	TV Lesotho	TV	DVB-S2	3/5	4.597		English
	C	Radio Lesotho	radio	DVB-S2	3/5	4.597		English
3.840	L C	Channels 24	TV	DVB-S2	3/5	2.400		English
3.853	R C	ZNBC TV 1	TV	DVB-S2	3/4	9.664		English
	C	ABN TV	TV	DVB-S2	3/4	9.664		English
	C	Fresh TV	TV	DVB-S2	3/4	9.664		English
	C	City TV	TV	DVB-S2	3/4	9.664		English
	C	CBC TV	TV	DVB-S2	3/4	9.664		English
	C	Diamond TV	TV	DVB-S2	3/4	9.664		English
	C	Camnet TV	TV	DVB-S2	3/4	9.664		English
	C	Life TV	TV	DVB-S2	3/4	9.664		English
	C	TBN Zambia	TV	DVB-S2	3/4	9.664		English
3.859	L C	DBS TV	TV	DVB-S2	2/3	1.041		French
3.889	R C	RFI	package	DVB-S2	1/2	30.000		
	C	Monte Carlo Doualiya	radio	DVB-S2	1/2	30.000		Arabic
3.925	R C	unknown	package	DVB-S2	2/3	30.000	Irdeto 2	
	C	Fox Sports Africa	TV	DVB-S2	2/3	30.000	Irdeto 2	English,French
	C	Fox Sports 2 Africa	TV	DVB-S2	2/3	30.000	Irdeto 2	English
	C	Viasat Nature Africa	TV	DVB-S2	2/3	30.000	Irdeto 2	English
	C	Viasat Explore Africa	TV	DVB-S2	2/3	30.000	Irdeto 2	English
	C	Fox Africa	TV	DVB-S2	2/3	30.000	Irdeto 2	English
	C	Viasat History Africa	TV	DVB-S2	2/3	30.000	Irdeto 2	English
	C	Viasat Life	TV	DVB-S2	2/3	30.000	Irdeto 2	English
	C	Fox Life Africa	TV	DVB-S2	2/3	30.000	Irdeto 2	English
	C	National Geographic South Africa	TV	DVB-S2	2/3	30.000	Irdeto 2	English
	C	Nat Geo Wild South Africa	TV	DVB-S2	2/3	30.000	Irdeto 2	English
3.957	R C	Fox Sports Africa	package	DVB-S2	2/3	6.200	Irdeto 2	
	C	Fox Sports Africa	TV	DVB-S2	2/3	6.200	Irdeto 2	English,French
	C	Fox Sports 2 Africa	TV	DVB-S2	2/3	6.200	Irdeto 2	English
4.025	R C	Asonga TV	TV	DVB-S2	3/4	1.457		Spanish
4.135	R C	StarTimes TV Uganda	package	DVB-S2	3/4	30.000		
	C	Kombat Sport	TV	DVB-S2	3/4	30.000		French,English
	C	CGTN Documentary	TV	DVB-S2	3/4	30.000		English
	C	Africa 24	TV	DVB-S2	3/4	30.000		French
	C	African Movie Channel	TV	DVB-S2	3/4	30.000		English
	C	Dove TV	TV	DVB-S2	3/4	30.000		English
	C	BEN	TV	DVB-S2	3/4	30.000		English
	C	CGTN	TV	DVB-S2	3/4	30.000		English
	C	SFR Sport 3	TV	DVB-S2	3/4	30.000		French



Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	C	Ma Chaîne Sport	TV	DVB-S2	3/4	30.000		French
	C	Nat Geo Wild Europe	TV	DVB-S2	3/4	30.000		English
	C	Viasat Life	TV	DVB-S2	3/4	30.000		English
	C	Viasat Nature Africa	TV	DVB-S2	3/4	30.000		English
	C	CNC World English	TV	DVB-S2	3/4	30.000		English
	C	ST Naija	TV	DVB-S2	3/4	30.000		English
4.153	L C	Easy TV	package	DVB-S2	3/4	60.000	Nagravision	
	C	Cine + Star	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Planète +	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Piwi +	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	TéléToon Africa	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Bblack! Africa	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Trace Africa	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Voxafrika Afrique	TV	DVB-S2	3/4	60.000	Nagravision	
	C	KTO	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	BET France	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	LM TV Français	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	MTV Hits France	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	InfoSport +	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Gospel Music TV	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Easy TV promo	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Nollywood TV	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Easy TV	package	DVB-S2	3/4	60.000	Nagravision	
	C	Disney Channel France	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Voyage	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	C8	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	A+ Sport	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	TV 5 Monde Afrique	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	France 24 Français	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	MTV Base Africa	TV	DVB-S2	3/4	60.000	Nagravision	English
	C	Novelas TV	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Zee Magic	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Africanews	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Penthouse Black	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Easy TV	package	DVB-S2	3/4	60.000	Nagravision	
	C	A+	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Easy TV	package	DVB-S2	3/4	60.000	Nagravision	
	C	DRTV	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Top TV	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Studio Sango Malamu	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	MRC TV	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Easy TV	package	DVB-S2	3/4	60.000	Nagravision	
	C	Antenne A	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Vox TV	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	B-One TV	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	RTDV	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	La Voix de l'Aigle	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Trace Mziki	TV	DVB-S2	3/4	60.000	Nagravision	French
	C	Wantashi TV	TV	DVB-S2	3/4	60.000	Nagravision	French
4.171	R C	StarTimes TV Uganda	package	DVB-S2	3/4	30.000	Conax	
	C	Star Sports Arena	TV	DVB-S2	3/4	30.000	Conax	English
	C	ST Plus	TV	DVB-S2	3/4	30.000	Conax	
	C	E! Africa	TV	DVB-S2	3/4	30.000	Conax	English
	C	AMC Africa	TV	DVB-S2	3/4	30.000	Conax	English
	C	Nickelodeon Africa	TV	DVB-S2	3/4	30.000	Conax	English
	C	Iroko 2	TV	DVB-S2	3/4	30.000	Conax	English
	C	Fox Sports Africa	TV	DVB-S2	3/4	30.000	Conax	English,French
	C	ST Novela E1	TV	DVB-S2	3/4	30.000	Conax	English
	C	ST Movies	TV	DVB-S2	3/4	30.000	Conax	English
	C	ST Series E1	TV	DVB-S2	3/4	30.000	Conax	English
	C	Zee Cinema Africa	TV	DVB-S2	3/4	30.000	Conax	Hindi
	C	ST Luganda Bollywood	TV	DVB-S2	3/4	30.000	Conax	
	C	National Geographic South Africa	TV	DVB-S2	3/4	30.000	Conax	English
	C	Iroko 1	TV	DVB-S2	3/4	30.000	Conax	

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	C	Investigation Discovery Xtra	TV	DVB-S2	3/4	30.000	Conax	English
	C	ST Kungfu	TV	DVB-S2	3/4	30.000	Conax	English,French,Chinese
10.971	V MENA	Aljazeera	package	DVB-S	3/4	27.500		
	MENA	My TV	package	DVB-S	5/6	27.500		
	MENA	Aljazeera Channel	TV	DVB-S	3/4	27.500		Arabic
	MENA	Libya News Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Aden Sky	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alaraby TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Aljazeera Mubasher	TV	DVB-S	3/4	27.500		Arabic
	MENA	Aljazeera English	TV	DVB-S	3/4	27.500		English
	MENA	Alremas TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Aljazeera Documentary	TV	DVB-S	3/4	27.500		Arabic
	MENA	Alebaa TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Qatar TV	TV	DVB-S	3/4	27.500		Arabic
	MENA	Al Rayyan Satellite Channel	TV	DVB-S	3/4	27.500		Arabic
	MENA	Aljazeera Mubasher Misr	TV	DVB-S	3/4	27.500		Arabic
	MENA	Al Aqila TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Hala TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sameer Amees TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Damaa TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	TRT World	TV	DVB-S	5/6	27.500		English
	MENA	Al Walaa TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Liwana TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Manhaj	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al-Faith TV	TV	DVB-S	5/6	27.500		Arabic
11.013	H MENA	Kerkük FM	radio	DVB-S	5/6	27.500		
	MENA	Noorsat	package	DVB-S	5/6	27.500		
	MENA	Sharjah Media Corporation	package	DVB-S	5/6	27.500		
	MENA	Almasirah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sharjah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alhujja Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Heim Alshabab TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sharjah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sharqiya TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Libya Alhaya TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sharqiya TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Wousta TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Palestinian TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Hebron Sat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sharjah Sports	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alwilayah TV Hausa	TV	DVB-S	5/6	27.500		Hausa
	MENA	Sharjah Sports	TV	DVB-S	5/6	27.500		Arabic
	MENA	Mekameleen TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sharjah Radio	radio	DVB-S	5/6	27.500		Arabic
	MENA	Al-Sahat TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sharjah Quran	radio	DVB-S	5/6	27.500		Arabic
	MENA	Nabaa TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Aqsa Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Watan TV	TV	DVB-S	5/6	27.500		Arabic
11.054	V MENA	Kuwait TV	package	DVB-S2	2/3	27.500		
	MENA	OSN	package	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	
	MENA	KTV 1	TV	DVB-S2	2/3	27.500		Arabic
	MENA	Al Safwa	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	Arabic
	MENA	KTV 2	TV	DVB-S2	2/3	27.500		English
	MENA	Cinema 1	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	Arabic
	MENA	KTV Sport	TV	DVB-S2	2/3	27.500		Arabic
	MENA	Cinema 2	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	Arabic
	MENA	KTV Arabe	TV	DVB-S2	2/3	27.500		Arabic
	MENA	KTV Sport Plus	TV	DVB-S2	2/3	27.500		Arabic
	MENA	KTV Ethraa	TV	DVB-S2	2/3	27.500		Arabic
	MENA	Fann	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	Arabic
	MENA	KTV Arabe	TV	DVB-S2	2/3	27.500		Arabic
	MENA	Al-Majlis TV	TV	DVB-S2	2/3	27.500		Arabic
	MENA	Music Now	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	Al-Qurain TV	TV	DVB-S2	2/3	27.500		Arabic
	MENA	Tarabiya't	radio	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	Arabic
	MENA	Khalijya't	radio	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	Arabic
	MENA	Radio Kuwait Main Program	radio	DVB-S2	2/3	27.500		Arabic
	MENA	Monawa't	radio	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	Arabic
	MENA	Radio Kuwait Program 2	radio	DVB-S2	2/3	27.500		Arabic
	MENA	Radio Kuwait Quran	radio	DVB-S2	2/3	27.500		Arabic
	MENA	Easy 92.5	radio	DVB-S2	2/3	27.500		English
	MENA	Kuwait FM	radio	DVB-S2	2/3	27.500		Arabic
	MENA	Super Station	radio	DVB-S2	2/3	27.500		Arabic
	MENA	Old Arabic Music	radio	DVB-S2	2/3	27.500		Arabic
	MENA	Shaabya	radio	DVB-S2	2/3	27.500		Arabic
	MENA	Hona Kuwait	radio	DVB-S2	2/3	27.500		Arabic
	MENA	Radio Kuwait Main Program	radio	DVB-S2	2/3	27.500		Arabic
11.096	V MENA	OSN	package	DVB-S2	3/4	30.000	Betacrypt/Irdeto 2	
	MENA	Al Karama TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	OSN Sports 5	TV	DVB-S2	3/4	30.000	Betacrypt/Irdeto 2	English
	MENA	Alkarma TV Middle East 1	TV	DVB-S	5/6	27.500		Arabic
	MENA	H2 Middle East	TV	DVB-S2	3/4	30.000	Betacrypt/Irdeto 2	English
	MENA	Investigation Discovery Xtra	TV	DVB-S2	3/4	30.000	Betacrypt/Irdeto 2	English
	MENA	Comedy Central Middle East	TV	DVB-S2	3/4	30.000	Betacrypt/Irdeto 2	
	MENA	Jesus Wonderful TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Elohi TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Mo'aa TV	TV	DVB-S	5/6	27.500		
	MENA	Falaksat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Viewsat	TV	DVB-S	5/6	27.500		
	MENA	Holy Spirit TV	TV	DVB-S	5/6	27.500		
	MENA	Charity TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al-Fady TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Horreya TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alanwar TV 2	TV	DVB-S	5/6	27.500		Arabic
	MENA	FJ TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Black Banners	TV	DVB-S	5/6	27.500		Arabic
	MENA	Misr ElBald	TV	DVB-S	5/6	27.500		Arabic
	MENA	Kale Awadi TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Logos TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alkeraza TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Faris TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	The Savior	TV	DVB-S	5/6	27.500		Arabic
	MENA	Iraq Future TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Altayf Aliraqi	TV	DVB-S	5/6	27.500		Arabic
	MENA	Christ Life TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Presence TV Channel	TV	DVB-S	5/6	27.500		
	MENA	GMM TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Nour Al Sharq	TV	DVB-S	5/6	27.500		Arabic
	MENA	Nour Al Koddass	TV	DVB-S	5/6	27.500		Arabic
	MENA	Nour Mariam	TV	DVB-S	5/6	27.500		Arabic
11.137	H MENA	unknown	package	DVB-S2	3/4	27.500		
	MENA	Nilat TV	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Pelistank TV	TV	DVB-S2	3/4	27.500		Kurdish
	MENA	Libya Future TV	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Libya's Channel	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Alaraby TV	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Imam Reda TV	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Pelistank TV	TV	DVB-S2	3/4	27.500		Kurdish
	MENA	Fashion Television Middle East	TV	DVB-S2	3/4	27.500		English
	MENA	Libya Al-Ahrar TV	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Türkmeneli TV	TV	DVB-S2	3/4	27.500		Turkish
	MENA	Majid	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Türkmeneli TV	TV	DVB-S2	3/4	27.500		Turkish
	MENA	Marina FM TV	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Fujairah TV	TV	DVB-S2	3/4	27.500		Arabic
11.179	H MENA	Noorsat Misr	package	DVB-S	5/6	27.500		
	MENA	Marjaeyat TV Nilesat	TV	DVB-S	5/6	27.500		English

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	Dr Zrzt	TV	DVB-S	5/6	27.500		Arabic
	MENA	Zanoubia TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	4G Film	TV	DVB-S	5/6	27.500		Arabic
	MENA	4G Cima	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alostora	TV	DVB-S	5/6	27.500		Arabic
	MENA	Hareem Al Sultan	TV	DVB-S	5/6	27.500		Arabic
	MENA	Cinema Tube	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sama TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Hekaya	TV	DVB-S	5/6	27.500		Arabic
	MENA	Mosalsalat Tube	TV	DVB-S	5/6	27.500		Arabic
	MENA	4G Drama	TV	DVB-S	5/6	27.500		Arabic
	MENA	Dolly Mosalsalat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Gold TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	4G Aflam	TV	DVB-S	5/6	27.500		Arabic
	MENA	Tatt7 TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sahar TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Syrian Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Syria Drama	TV	DVB-S	5/6	27.500		Arabic
	MENA	Cima Tube	TV	DVB-S	5/6	27.500		Arabic
	MENA	Quran TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Publitoools TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Music Alarab	TV	DVB-S	5/6	27.500		Arabic
	MENA	4G Classic	TV	DVB-S	5/6	27.500		Arabic
	MENA	Aljamahiriya TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Nour El-Sham	TV	DVB-S	5/6	27.500		Arabic
	MENA	Souryana TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Qamishlo TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Aldawaa Alshafy	TV	DVB-S	5/6	27.500		Arabic
	MENA	Radio Damascus	radio	DVB-S	5/6	27.500		Arabic
	MENA	Radio Sout Al-Sha'ab	radio	DVB-S	5/6	27.500		Arabic
	MENA	Radio Sout Al-Shbab	radio	DVB-S	5/6	27.500		Arabic
	MENA	Radio Amwaj	radio	DVB-S	5/6	27.500		Arabic
	MENA	Radio Syriaana	radio	DVB-S	5/6	27.500		Arabic
11.471	V East	MBC	package	DVB-S	5/6	27.500		
	East	Al Hadath	TV	DVB-S	5/6	27.500		Arabic
	East	Al Arabiya	TV	DVB-S	5/6	27.500		Arabic
	East	MBC	TV	DVB-S	5/6	27.500		Arabic
	East	MBC 4	TV	DVB-S	5/6	27.500		English
	East	MBC Drama	TV	DVB-S	5/6	27.500		Arabic
	East	MBC Bollywood	TV	DVB-S	5/6	27.500		Arabic
	East	MBC 2	TV	DVB-S	5/6	27.500		Arabic
	East	MBC Action	TV	DVB-S	5/6	27.500		English
	East	MBC Max	TV	DVB-S	5/6	27.500		Arabic
	East	MBC 3	TV	DVB-S	5/6	27.500		Arabic
	East	Wanasah	TV	DVB-S	5/6	27.500		Arabic
	East	MBC FM	radio	DVB-S	5/6	27.500		Arabic
	East	Panorama FM	radio	DVB-S	5/6	27.500		Arabic
	East	Al Arabiya 99	radio	DVB-S	5/6	27.500		Arabic
11.512	V East	EthioSat	package	DVB-S2	2/3	30.000		
	East	EBC	TV	DVB-S2	2/3	30.000		Amharic
	East	EBC 3	TV	DVB-S2	2/3	30.000		Amharic
	East	Addis TV Network	TV	DVB-S2	2/3	30.000		Amharic
	East	ESTV	TV	DVB-S2	2/3	30.000		Amharic
	East	Southern TV	TV	DVB-S2	2/3	30.000		Amharic
	East	Amhara TV	TV	DVB-S2	2/3	30.000		Amharic
	East	Walta TV	TV	DVB-S2	2/3	30.000		Amharic
	East	EthioSat promo	TV	DVB-S2	2/3	30.000		
11.554	V East	Gulfsat	package	DVB-S	3/4	27.500		
	East	Aden TV	TV	DVB-S	3/4	27.500		Arabic
	East	Sanaa Satellite Channel	TV	DVB-S	3/4	27.500		Arabic
	East	Roaa TV	TV	DVB-S	3/4	27.500		Arabic
	East	Alwatan Plus	TV	DVB-S	3/4	27.500		Arabic
	East	Alwatan TV	TV	DVB-S	3/4	27.500		Arabic
	East	Albawadi TV	TV	DVB-S	3/4	27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	East	Rawasi TV	TV	DVB-S	3/4	27.500		Arabic
	East	Al-Sabah TV	TV	DVB-S	3/4	27.500		Arabic
	East	Al-Mahdi TV	TV	DVB-S	3/4	27.500		Arabic
	East	Algad TV	TV	DVB-S	3/4	27.500		Arabic
	East	Khartoum TV	TV	DVB-S	3/4	27.500		Arabic
	East	Al Kout Channel	TV	DVB-S	3/4	27.500		Arabic
	East	Al Fallujah TV	TV	DVB-S	3/4	27.500		Arabic
	East	Altarbaweya	TV	DVB-S	3/4	27.500		Arabic
	East	Alabrar TV	TV	DVB-S	3/4	27.500		Arabic
	East	Almareefa	TV	DVB-S	3/4	27.500		Arabic
	East	DMM TV	TV	DVB-S	3/4	27.500		Arabic
11.595	V East	Gulfsat	package	DVB-S	3/4	27.500		
	East	Aljazeera Channel	TV	DVB-S	3/4	27.500		Arabic
	East	Alquds Satellite Channel	TV	DVB-S	3/4	27.500		Arabic
	East	Halab Today TV	TV	DVB-S	3/4	27.500		Arabic
	East	Wesal TV	TV	DVB-S	3/4	27.500		Arabic
	East	Tayba TV	TV	DVB-S	3/4	27.500		Arabic
	East	Omdurman TV	TV	DVB-S	3/4	27.500		Arabic
	East	Wesal Haq	TV	DVB-S	3/4	27.500		
	East	Free Syria TV	TV	DVB-S	3/4	27.500		Arabic
	East	Suhail TV	TV	DVB-S	3/4	27.500		Arabic
	East	Deir Press Network	TV	DVB-S	3/4	27.500		Arabic
	East	Shada TV	TV	DVB-S	3/4	27.500		Arabic
	East	Rushd TV	TV	DVB-S	3/4	27.500		Arabic
	East	Jamawar Kurdistan	TV	DVB-S	3/4	27.500		Kurdish
	East	EBS	TV	DVB-S	3/4	27.500		English
	East	Kassala TV	TV	DVB-S	3/4	27.500		Arabic
	East	Berekah Broadcasting Network	radio	DVB-S	3/4	27.500		
	East	Tayba FM	radio	DVB-S	3/4	27.500		Arabic
	East	Fujairah 95.1 FM	radio	DVB-S	3/4	27.500		Arabic
	East	Zayed Radio	radio	DVB-S	3/4	27.500		Arabic
	East	Jamawar News Radio	radio	DVB-S	3/4	27.500		Kurdish
11.637	V East	STN	package	DVB-S	3/4	27.500		
	East	Alaraby TV	TV	DVB-S	3/4	27.500		Arabic
	East	Alaraby TV	TV	DVB-S	3/4	27.500		Arabic
	East	Toheed TV	TV	DVB-S	3/4	27.500		Farsi
	East	Koogi TV	TV	DVB-S	3/4	27.500		Arabic
	East	GEM Arabia	TV	DVB-S	3/4	27.500		Arabic
	East	ANB	TV	DVB-S	3/4	27.500		
	East	Med Muzik	TV	DVB-S	3/4	27.500		Kurdish
	East	ABN Europe & Middle East	TV	DVB-S	3/4	27.500		Arabic
	East	Stêrk	TV	DVB-S	3/4	27.500		Kurdish
	East	Al Aqariya TV	TV	DVB-S	3/4	27.500		Arabic
	East	Mekameleen TV 2	TV	DVB-S	3/4	27.500		Arabic
	East	Winners Way TV	TV	DVB-S	3/4	27.500		Amharic
	East	LuaLua TV	TV	DVB-S	3/4	27.500		Arabic
	East	Cairo One TV	TV	DVB-S	3/4	27.500		Arabic
	East	Sign and Miracle TV	TV	DVB-S	3/4	27.500		
	East	D Movies	TV	DVB-S	3/4	27.500		
	East	KurdLine	TV	DVB-S	3/4	27.500		Kurdish
	East	Rangarang Radio	radio	DVB-S	3/4	27.500		Farsi
	East	Ur FM	radio	DVB-S	3/4	27.500		Arabic
	East	Alrai Radio	radio	DVB-S	3/4	27.500		Arabic
11.678	V East	Gulfsat	package	DVB-S	3/4	27.500		
	East	Jammoly TV	TV	DVB-S	3/4	27.500		Arabic
	East	Bahrain TV	TV	DVB-S	3/4	27.500		Arabic
	East	Bahrain International	TV	DVB-S	3/4	27.500		Arabic
	East	KTV 1	TV	DVB-S	3/4	27.500		Arabic
	East	KTV 2	TV	DVB-S	3/4	27.500		English
	East	KTV Sport	TV	DVB-S	3/4	27.500		Arabic
	East	MBC Maser	TV	DVB-S	3/4	27.500		Arabic
	East	MBC Maser 2	TV	DVB-S	3/4	27.500		Arabic
	East	Yarmouk TV	TV	DVB-S	3/4	27.500		Arabic
	East	Al Istijaba TV	TV	DVB-S	3/4	27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	East	Sudan Music	TV	DVB-S	3/4	27.500		Arabic
	East	Goan TV	TV	DVB-S	3/4	27.500		Arabic
	East	Radio Erena	radio	DVB-S	3/4	27.500		
	East	Eritrean Forum	radio	DVB-S	3/4	27.500		
12.521	H MENA Ku	Aljazeera	package	DVB-S2	2/3	27.500		
	East	unknown	package	DVB-S	5/6	27.500		
	MENA Ku	Aljazeera Channel	TV	DVB-S2	2/3	27.500		Arabic
	East	NRT 2	TV	DVB-S	5/6	27.500		Kurdish
	MENA Ku	Aljazeera English	TV	DVB-S2	2/3	27.500		English
	East	NRT	TV	DVB-S	5/6	27.500		Kurdish
	MENA Ku	Aljazeera Documentary	TV	DVB-S2	2/3	27.500		Arabic
	East	Rêga	TV	DVB-S	5/6	27.500		Kurdish
	MENA Ku	Al Rayyan Satellite Channel	TV	DVB-S2	2/3	27.500		Arabic
	East	Amozhgary TV	TV	DVB-S	5/6	27.500		Kurdish,Arabic
	East	Bangwaz	TV	DVB-S	5/6	27.500		
	East	Ishtar TV	TV	DVB-S	5/6	27.500		Arabic
	East	Almawqef TV	TV	DVB-S	5/6	27.500		Arabic
	East	NRT Arabic	TV	DVB-S	5/6	27.500		Arabic
	East	Payam TV	TV	DVB-S	5/6	27.500		Kurdish
	East	NRT Arabic	TV	DVB-S	5/6	27.500		Arabic
	East	Korek TV	TV	DVB-S	5/6	27.500		Kurdish
	East	Dwarozh	radio	DVB-S	5/6	27.500		
	East	Radio Dijla	radio	DVB-S	5/6	27.500		Kurdish
12.563	V East	Noorsat	package	DVB-S	5/6	27.500		
	East	Silk Road TV	TV	DVB-S	5/6	27.500		
	East	China Arab TV	TV	DVB-S	5/6	27.500		Arabic
	East	MDC	TV	DVB-S	5/6	27.500		Arabic
	East	Alalam News Channel	TV	DVB-S	5/6	27.500		Arabic
	East	Aham Al Anbaa TV	TV	DVB-S	5/6	27.500		Arabic
	East	Addounia TV	TV	DVB-S	5/6	27.500		Arabic
	East	Time Turki	TV	DVB-S	5/6	27.500		Arabic
	East	Kidzinia Cartoon	TV	DVB-S	5/6	27.500		Arabic
	East	Cairo Cinema 2	TV	DVB-S	5/6	27.500		Arabic
	East	LDC	TV	DVB-S	5/6	27.500		Arabic
	East	Arta FM	radio	DVB-S	5/6	27.500		
	East	Radio Alkul	radio	DVB-S	5/6	27.500		Arabic
	East	Radio Hara FM	radio	DVB-S	5/6	27.500		Arabic
	East	Sout Raya	radio	DVB-S	5/6	27.500		Arabic
	East	ANA Radio	radio	DVB-S	5/6	27.500		Arabic
12.604	H MENA	MX1	package	DVB-S	5/6	27.500		
	East	Noorsat	package	DVB-S	5/6	27.500		
	East	Iraq Today TV Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Rûdaw	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Dawsha	TV	DVB-S	5/6	27.500		Arabic
	East	Kurdsat	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Thaqalayn TV	TV	DVB-S	5/6	27.500		Arabic
	East	Türkmeneli TV	TV	DVB-S	5/6	27.500		Turkish
	East	Channel 4 Teen	TV	DVB-S	5/6	27.500		Arabic
	MENA	SBN Global	TV	DVB-S	5/6	27.500		English
	MENA	Christ TV	TV	DVB-S	5/6	27.500		English
	East	Imam Hassan TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	The Word Network	TV	DVB-S	5/6	27.500		English
	East	Alahad TV 2	TV	DVB-S	5/6	27.500		Arabic
	MENA	D Cinema	TV	DVB-S	5/6	27.500		Arabic
	MENA	D Movies	TV	DVB-S	5/6	27.500		Arabic
	MENA	KurdMax Show	TV	DVB-S	5/6	27.500		Kurdish
	East	Imam Hussein TV 2	TV	DVB-S	5/6	27.500		Farsi
	MENA	Libya 24	TV	DVB-S	5/6	27.500		Arabic
	MENA	Music Sha3by TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Farah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Hiwar TV	TV	DVB-S	5/6	27.500		Arabic
	East	Alfarqadayn	TV	DVB-S	5/6	27.500		
	MENA	Elsharq	TV	DVB-S	5/6	27.500		Arabic
	MENA	Shifa El Rahman TV	TV	DVB-S	5/6	27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	Vin TV	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Libya Today	TV	DVB-S	5/6	27.500		Arabic
	MENA	Rûdaw Radio	radio	DVB-S	5/6	27.500		Kurdish
	MENA	Alhusseinia Quran	radio	DVB-S	5/6	27.500		
	MENA	Al Husaniya Radio	radio	DVB-S	5/6	27.500		
12.646	V East	Gulfsat	package	DVB-S	5/6	27.500		
	MENA	Palsat	package	DVB-S	5/6	27.500		
	MENA	Musawa	TV	DVB-S	5/6	27.500		Arabic
	East	Huna Salahden	TV	DVB-S	5/6	27.500		Arabic
	East	Korek TV	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Ma'an TV	TV	DVB-S	5/6	27.500		
	East	GK Channel	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Palestine Mobasher	TV	DVB-S	5/6	27.500		Arabic
	East	Kanal 4	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Palestinian Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Falstiniyah TV	TV	DVB-S	5/6	27.500		Arabic
	East	Kirkuk TV	TV	DVB-S	5/6	27.500		
	MENA	Awdeh	TV	DVB-S	5/6	27.500		Arabic
	East	Net TV	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Al-Quds Open University	TV	DVB-S	5/6	27.500		Arabic
	East	Net Drama	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Najah Broadcasting Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Palestine Sport	TV	DVB-S	5/6	27.500		Arabic
	East	Radio Xandan	radio	DVB-S	5/6	27.500		Kurdish
	East	Dwarozh	radio	DVB-S	5/6	27.500		
	MENA	Voice of Palestine	radio	DVB-S	5/6	27.500		Arabic
	MENA	Najah FM	radio	DVB-S	5/6	27.500		Arabic
	MENA	Quran Radio	radio	DVB-S	5/6	27.500		Arabic
12.655	V Europe	Mediaset	package	DVB-S2	5/6	5.000	BISS	
12.687	H MENA	IKO MG	package	DVB-S	5/6	27.500		
	East	Suntsat	package	DVB-S	5/6	27.501		
	MENA	Alhawza Alilmiyya TV	TV	DVB-S	5/6	27.500		Arabic
	East	Sudan Sport	TV	DVB-S	5/6	27.501		Arabic
	East	Africa TV 1	TV	DVB-S	5/6	27.501		Amharic
	MENA	Kurdsat	TV	DVB-S	5/6	27.500		Kurdish
	East	Africa TV 4	TV	DVB-S	5/6	27.501		
	MENA	Kurdsat News	TV	DVB-S	5/6	27.500		Kurdish
	East	Dorar TV	TV	DVB-S	5/6	27.501		Arabic
	MENA	Kurdsat	TV	DVB-S	5/6	27.500		Kurdish
	East	Almanal TV	TV	DVB-S	5/6	27.501		Arabic
	MENA	Kurdsat News	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Rojava TV	TV	DVB-S	5/6	27.500		Kurdish
	East	Sudan Drama	TV	DVB-S	5/6	27.501		Arabic
	MENA	GK Channel	TV	DVB-S	5/6	27.500		Kurdish
	East	Sudania 24 TV	TV	DVB-S	5/6	27.501		Arabic
	East	Ashorooq TV	TV	DVB-S	5/6	27.501		Arabic
	MENA	Suroyo TV	TV	DVB-S	5/6	27.500		Syriac
	MENA	Yemen Education	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alyaum Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Yemen TV	TV	DVB-S	5/6	27.500		Arabic
	East	Sudan Music	TV	DVB-S	5/6	27.501		Arabic
	MENA	Yemen Today TV	TV	DVB-S	5/6	27.500		Arabic
	East	Al Istijaba TV	TV	DVB-S	5/6	27.501		Arabic
	MENA	Sheba TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Aden TV	TV	DVB-S	5/6	27.500		Arabic
	East	Al Alamiya TV	TV	DVB-S	5/6	27.501		Arabic
	MENA	Al-Eman	TV	DVB-S	5/6	27.500		Arabic
	East	Al-Faraena TV	TV	DVB-S	5/6	27.501		Arabic
	MENA	I24 News Arabic	TV	DVB-S	5/6	27.500		Arabic
	East	Almanal Radio	radio	DVB-S	5/6	27.501		Arabic
	MENA	Helhelok TV	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Minbij TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Radio Kurdistan	radio	DVB-S	5/6	27.500		Kurdish
	MENA	Radio Sana'a	radio	DVB-S	5/6	27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	Al Nabaa Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alahvaz TV	TV	DVB-S	5/6	27.500		Farsi
	MENA	Dengi Kurdsat	radio	DVB-S	5/6	27.500		Kurdish
	MENA	Furat FM	radio	DVB-S	5/6	27.500		Arabic
12.729	V East	Nilesat	package	DVB-S	5/6	27.500		
	East	KurdMax	TV	DVB-S	5/6	27.500		Kurdish
	East	KurdMax Pepile	TV	DVB-S	5/6	27.500		Kurdish
	East	Waar Sport	TV	DVB-S	5/6	27.500		Kurdish
	East	Waar TV	TV	DVB-S	5/6	27.500		Kurdish
	East	Syria Radio Network	radio	DVB-S	5/6	27.500		

## EUTELSAT 7 WEST A

10.719	V MENA	Qatar TV	package	DVB-S2	3/4	22.000		
	MENA	Qatar TV	TV	DVB-S2	3/4	22.000		Arabic
	MENA	Qatar TV	TV	DVB-S2	3/4	22.000		Arabic
	MENA	Qatar TV	TV	DVB-S2	3/4	22.000		Arabic
	MENA	Qatar TV	TV	DVB-S2	3/4	22.000		Arabic
	MENA	Qatar TV	TV	DVB-S2	3/4	22.000		Arabic
	MENA	Qatar Radio	radio	DVB-S2	3/4	22.000		Arabic
	MENA	Holy Quran Radio	radio	DVB-S2	3/4	22.000		Arabic
	MENA	Radio Oryx	radio	DVB-S2	3/4	22.000		French
	MENA	Radio QBS	radio	DVB-S2	3/4	22.000		English
	MENA	Urdu Radio	radio	DVB-S2	3/4	22.000		Urdu
	MENA	Sout al Khaleej 2	radio	DVB-S2	3/4	22.000		Arabic
	MENA	Sout al Khaleej 3	radio	DVB-S2	3/4	22.000		Arabic
	MENA	Sout al Khaleej 4	radio	DVB-S2	3/4	22.000		Arabic
	MENA	Sout al Khaleej Europe	radio	DVB-S2	3/4	22.000		Arabic
10.727	H MENA	Gulfsat	package	DVB-S	5/6	27.500		
	MENA	Tigrai TV	TV	DVB-S	5/6	27.500		
	MENA	Alaraby TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Amir Alshea	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Arrab TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Jannah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alfath TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Daawah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sat 7 Academy	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Malakoot Sat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alafasy	TV	DVB-S	5/6	27.500		Arabic
	MENA	Télé Maroc	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Awhad TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	LTV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Kurdistan TV	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Al Tanasuh TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alkafeel Radio	radio	DVB-S	5/6	27.500		Arabic
10.758	V MENA	Nilesat	package	DVB-S	5/6	27.500		
	MENA	Bin Othaimen	TV	DVB-S	5/6	27.500		Arabic
	MENA	EBC	TV	DVB-S	5/6	27.500		Amharic
	MENA	Al Soyoof TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alamaken Drama	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sada Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Safa TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al M3ali TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	KurdMax	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Future International	TV	DVB-S	5/6	27.500		Arabic
10.777	H MENA	Nilesat	package	DVB-S	5/6	27.500		
	MENA	Cairo Drama	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Seha Wal Jamal TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	LBC Sat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Cairo Cinema	TV	DVB-S	5/6	27.500		Arabic
	MENA	Iraq Education Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Watania 2	TV	DVB-S	5/6	27.500		Arabic
10.796	V MENA	Nilesat	package	DVB-S	5/6	27.500		
	MENA	A TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Watania 1	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sudan TV	TV	DVB-S	5/6	27.500		Arabic



Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	Alamaken Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Radio Zitouna FM	radio	DVB-S	5/6	27.500		Arabic
	MENA	Radio Tunis Chaîne Internationale	radio	DVB-S	5/6	27.500		
	MENA	Radio Nationale	radio	DVB-S	5/6	27.500		Arabic
	MENA	Radio Culturelle	radio	DVB-S	5/6	27.500		Arabic
	MENA	Sudan Radio	radio	DVB-S	5/6	27.500		Arabic
10.815	H MENA	Miracle Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Chaîne Nord-Africaine	TV	DVB-S	5/6	27.500		French
	MENA	Aghapy TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Nosa TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Basira	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alasayel TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	BK TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Magharibia	TV	DVB-S	5/6	27.500		Arabic
	MENA	Nawaim TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Asrar TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Menhag Alnbowa	TV	DVB-S	5/6	27.500		Arabic
	MENA	Elshaddai TV Network	TV	DVB-S	5/6	27.500		Amharic
	MENA	Almagd TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Shoog	TV	DVB-S	5/6	27.500		Arabic
	MENA	Zain TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	CTV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Nour El Shabeb	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Magharibia 2	TV	DVB-S	5/6	27.500		Arabic
	MENA	Arab Woman TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Bethel TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Christ Jesus TV	TV	DVB-S	5/6	27.500		English
	MENA	Evangelical TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Jesus TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	NourSat	TV	DVB-S	5/6	27.500		Arabic
	MENA	MaEzer Semay Satellite TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Marsil TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Christ Army TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Radio MaEzer Semay	radio	DVB-S	5/6	27.500		Amharic
10.834	V MENA	OSN	package	DVB-S2	3/4	30.000	Betacrypt/Irdeto 2	
	MENA	OSN Ya Hala!	TV	DVB-S2	3/4	30.000	Betacrypt/Irdeto 2	Arabic
	MENA	OSN Movies Comedy	TV	DVB-S2	3/4	30.000	Betacrypt/Irdeto 2	English
	MENA	OSN Sports 1	TV	DVB-S2	3/4	30.000	Betacrypt/Irdeto 2	English
	MENA	OSN First Comedy	TV	DVB-S2	3/4	30.000	Betacrypt/Irdeto 2	English
	MENA	OSN Ya Hala! Shabab	TV	DVB-S2	3/4	30.000	Betacrypt/Irdeto 2	Arabic
	MENA	Sundance Channel Middle East	TV	DVB-S2	3/4	30.000	Betacrypt/Irdeto 2	English
	MENA	Paramount Channel Arabia	TV	DVB-S2	3/4	30.000	Betacrypt	English,Arabic
10.853	H MENA	On TV	package	DVB-S	5/6	27.500		
	MENA	On Live	TV	DVB-S	5/6	27.500		Arabic
	MENA	On E	TV	DVB-S	5/6	27.500		Arabic
	MENA	On Sport	TV	DVB-S	5/6	27.500		Arabic
	MENA	On Live	TV	DVB-S	5/6	27.500		Arabic
	MENA	On E	TV	DVB-S	5/6	27.500		Arabic
	MENA	On Sport	TV	DVB-S	5/6	27.500		Arabic
	MENA	On Drama	TV	DVB-S	5/6	27.500		Arabic
10.873	V MENA	Noorsat	package	DVB-S	5/6	27.500		
	MENA	Al Rahma	TV	DVB-S	5/6	27.500		Arabic
	MENA	Family Drama	TV	DVB-S	5/6	27.500		Arabic
	MENA	Libya Alhaya TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Shanpoo Aflam	TV	DVB-S	5/6	27.500		Arabic
	MENA	Scare TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	TRT Kurdi	TV	DVB-S	5/6	27.500		Kurdish
	MENA	NART TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Addis TV Network	TV	DVB-S	5/6	27.500		Amharic
	MENA	Zweina Baladna	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alordon Alyoom	TV	DVB-S	5/6	27.500		Arabic
	MENA	T Film	TV	DVB-S	5/6	27.500		Arabic
	MENA	Jam3tna TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alsalam	TV	DVB-S	5/6	27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	Nour TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	All TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Sa3a Masra7	TV	DVB-S	5/6	27.500		Arabic
	MENA	Libya's Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Berbère TV	TV	DVB-S	5/6	27.500		French
	MENA	Al Zarqa Alyawm	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sharo5an Hindi	TV	DVB-S	5/6	27.500		
	MENA	Palestine Al Yawm	TV	DVB-S	5/6	27.500		Arabic
	MENA	Antinéa Radio	radio	DVB-S	5/6	27.500		Berber
	MENA	Berbère Radio	radio	DVB-S	5/6	27.500		Berber
10.892	H MENA	Noorsat	package	DVB-S	5/6	27.500		
	MENA	Cinema Pro	TV	DVB-S	5/6	27.500		Arabic
	MENA	Melody TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alghadeer TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Tok Tok Cinema	TV	DVB-S	5/6	27.500		Arabic
	MENA	RT Arabic	TV	DVB-S	5/6	27.500		Arabic
	MENA	Cinema 1	TV	DVB-S	5/6	27.500		Arabic
	MENA	OTV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Samarra TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Walta TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Holy TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	AsiaSat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Rûdaw	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Radio Nawa Arabic	radio	DVB-S	5/6	27.500		Arabic
10.922	V MENA	unknown	package	DVB-S	5/6	27.500		
	MENA	Imam Reda TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Atessia TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Tanasuh TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Aqsa Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Echorouk TV News	TV	DVB-S	5/6	27.500		Arabic
	MENA	SA Family	TV	DVB-S	5/6	27.500		Arabic
	MENA	Echorouk TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Beur TV	TV	DVB-S	5/6	27.500		French
	MENA	Almustakillah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Bahia TV	TV	DVB-S	5/6	27.500		French
	MENA	Shareeyah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	El-Heddaf TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Numidia TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	El Djazairia One	TV	DVB-S	5/6	27.500		Arabic
	MENA	El Bilad TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Chams TV	TV	DVB-S	5/6	27.500		
	MENA	El Fadjer TV	TV	DVB-S	5/6	27.500		Arabic
10.930	H MENA	Jordan Media City	package	DVB-S	5/6	27.500		
	MENA	Al-Naeem TV	TV	DVB-S	5/6	27.500		
	MENA	Jordan Sport	TV	DVB-S	5/6	27.500		Arabic
	MENA	Prime TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Mouda	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al-Etejah Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Oyoun Al-Watan TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	MB Duha	TV	DVB-S	5/6	27.500		Arabic
	MENA	Zalzala TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Qatar Aswaq	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Wadi TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	A One	TV	DVB-S	5/6	27.500		Arabic
	MENA	A Konoz Altb TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Konoz Alshefa	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Dawaela	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al-Mrsad	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Teb Albadel	TV	DVB-S	5/6	27.500		Arabic
	MENA	ABNCENA	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Nujaba TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	JBC Radio	radio	DVB-S	5/6	27.500		Arabic
	MENA	Rotana Radio Jordan	radio	DVB-S	5/6	27.500		Arabic
	MENA	Hayat FM	radio	DVB-S	5/6	27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	Radio Fann	radio	DVB-S	5/6	27.500		Arabic
	MENA	Yaqaen FM	radio	DVB-S	5/6	27.500		Arabic
	MENA	Al Quran Al Kareem Radio	radio	DVB-S	5/6	27.500		Arabic
	MENA	Alamel Radio	radio	DVB-S	5/6	27.500		Arabic
	MENA	Bliss 104.3	radio	DVB-S	5/6	27.500		English
10.992	V NW Africa	Echorouk TV	package	DVB-S2	9/10	5.000		
	NW Africa	Echorouk TV News	TV	DVB-S2	9/10	5.000		Arabic
	NW Africa	Echorouk TV	TV	DVB-S2	9/10	5.000		Arabic
11.170	V NW Africa	SNRT	package	DVB-S2	9/10	5.000		
	NW Africa	Idaa al Watania	radio	DVB-S2	9/10	5.000		
	NW Africa	Radio Dakhla	radio	DVB-S2	9/10	5.000		
	NW Africa	Chaîne Inter	radio	DVB-S2	9/10	5.000		
	NW Africa	Idaa al Amazighia	radio	DVB-S2	9/10	5.000		Arabic
	NW Africa	Idaa Mohammed Assadiss	radio	DVB-S2	9/10	5.000		Arabic
	NW Africa	Radio Agadir	radio	DVB-S2	9/10	5.000		
	NW Africa	Radio Houceima	radio	DVB-S2	9/10	5.000		
	NW Africa	Radio Tétouan	radio	DVB-S2	9/10	5.000		
	NW Africa	Radio 2M	radio	DVB-S2	9/10	5.000		
	NW Africa	Radio Meknes	radio	DVB-S2	9/10	5.000		
	NW Africa	Radio Tanger	radio	DVB-S2	9/10	5.000		
	NW Africa	Radio Fes	radio	DVB-S2	9/10	5.000		
	NW Africa	Radio Marrakech	radio	DVB-S2	9/10	5.000		
11.219	H MENA	unknown	package	DVB-S	5/6	27.500		
	MENA	LTC	TV	DVB-S	5/6	27.500		Arabic
	MENA	Panorama Film	TV	DVB-S	5/6	27.500		Arabic
	MENA	Aljamiya Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	ESTV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Shabab TV	TV	DVB-S	5/6	27.500		Arabic
11.227	V MENA	unknown	package	DVB-S	5/6	27.500		
	MENA	Al Kahera	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Kanal	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Askandria	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Delta	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Saeed	TV	DVB-S	5/6	27.500		Arabic
	MENA	Teba	TV	DVB-S	5/6	27.500		Arabic
	MENA	Misr Al Zeraeey	TV	DVB-S	5/6	27.500		Arabic
	MENA	Yemen TV	TV	DVB-S	5/6	27.500		Arabic
11.258	H MENA	Noorsat	package	DVB-S	5/6	27.500		
	MENA	Al Magharibia	TV	DVB-S	5/6	27.500		Arabic
	MENA	El Moled	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Magharibia 2	TV	DVB-S	5/6	27.500		Arabic
	MENA	Time Sha3beyat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Halaba TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Yemen Shabab Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Cinema 2	TV	DVB-S	5/6	27.500		Arabic
	MENA	Mickey Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Bait Baitak Cinema	TV	DVB-S	5/6	27.500		Arabic
	MENA	Time Cinema	TV	DVB-S	5/6	27.500		Arabic
	MENA	ME Sat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Dr Zrzzr	TV	DVB-S	5/6	27.500		Arabic
	MENA	Southern TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Mody Kids Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Waad Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sama Al Yemen TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	T Cinema	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Hayat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Panorama Yom	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alkebberr Aflam	TV	DVB-S	5/6	27.500		Arabic
	MENA	T Taxi	TV	DVB-S	5/6	27.500		Arabic
	MENA	T Drama	TV	DVB-S	5/6	27.500		Arabic
	MENA	Debub FM	radio	DVB-S	5/6	27.500		
11.277	V MENA	OSN	package	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	
	MENA	NickToons Arabia	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	English
	MENA	History Middle East	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	English

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	Discovery Science	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	English
	MENA	Discovery Science Middle East	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	English
	MENA	Disney Channel Middle East	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	English,Arabic
	MENA	Sky News UK	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	English
	MENA	Fight Network	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	English
11.296	H MENA	unknown	package	DVB-S	3/4	27.500		
	MENA	Rotana Music	TV	DVB-S	3/4	27.500		Arabic
	MENA	Rotana Clip	TV	DVB-S	3/4	27.500		Arabic
	MENA	Rotana Khalejia	TV	DVB-S	3/4	27.500		Arabic
	MENA	Rotana Classic	TV	DVB-S	3/4	27.500		Arabic
	MENA	Rotana Drama	TV	DVB-S	3/4	27.500		Arabic
	MENA	Rotana Cinema	TV	DVB-S	3/4	27.500		Arabic
	MENA	Rotana Cinema KSA	TV	DVB-S	3/4	27.500		Arabic
	MENA	Al-Resalah	TV	DVB-S	3/4	27.500		Arabic
	MENA	Rotana FM	radio	DVB-S	3/4	27.500		Arabic
11.315	V MENA	Noorsat	package	DVB-S	5/6	27.500		
	MENA	Karameesh	TV	DVB-S	5/6	27.500		Arabic
	MENA	Taha TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Zitouna TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Aden TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Arefe	TV	DVB-S	5/6	27.500		Arabic
	MENA	Shareeyah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Erhaby TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Green Life	TV	DVB-S	5/6	27.500		Arabic
	MENA	MBCCode	TV	DVB-S	5/6	27.500		Arabic
	MENA	Toyor Aljanah	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Maaref TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alquds Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	MD	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al-Masar Al-Oula Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Noor Jordan TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	UNRWA TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Suhail TV	TV	DVB-S	5/6	27.500		Arabic
11.334	H MENA	Jasco	package	DVB-S	5/6	27.500		
	MENA	Selah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Beity TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Resalat Al Islam	TV	DVB-S	5/6	27.500		Arabic
	MENA	Fursan TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Qassim TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alerth Alnabawi Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Semsem	TV	DVB-S	5/6	27.500		Arabic
	MENA	Kaifa TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	ANB	TV	DVB-S	5/6	27.500		Arabic
	MENA	Libya 1	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alwakaa TV	TV	DVB-S	5/6	27.500		Arabic
11.354	V MENA	STN	package	DVB-S	5/6	27.500		
	MENA	Ta3arof TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	MTA 3	TV	DVB-S	5/6	27.500		Arabic
	MENA	Ethiopia Orthodox TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Kurdistan 24	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Sawt Alitraa TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Kurdistan 24	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Çira TV	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Ronahî TV	TV	DVB-S	5/6	27.500		Kurdish
	MENA	One Music TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Elhiwar Ettounsi TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sat 7 Kids	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sat 7 Arabic	TV	DVB-S	5/6	27.500		Arabic
	MENA	NourSat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Atfal & Mawaheb	TV	DVB-S	5/6	27.500		Arabic
	MENA	Inta Omri TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alruqiya	TV	DVB-S	5/6	27.500		Arabic
	MENA	OMH	TV	DVB-S	5/6	27.500		Arabic
	MENA	Ana Bintizarek	TV	DVB-S	5/6	27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	Dzair 16	TV	DVB-S	5/6	27.500		Arabic
	MENA	Anta Oana	TV	DVB-S	5/6	27.500		Arabic
	MENA	Layalina	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alashk Wlhawa	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alhaz TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alhob Kulo	TV	DVB-S	5/6	27.500		Arabic
	MENA	Arabic Bible	radio	DVB-S	5/6	27.500		Arabic
	MENA	Radio Vaticana 7	radio	DVB-S	5/6	27.500		
	MENA	Kurdistan 24 Radio	radio	DVB-S	5/6	27.500		Kurdish
11.373	H MENA	BBC First Middle East	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	English
	MENA	Syfy Middle East	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	
	MENA	E! Middle East	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	English
	MENA	Animal Planet Middle East	TV	DVB-S2	2/3	27.500	Betacrypt/Irdeto 2	English
11.392	V MENA	Noorsat	package	DVB-S	5/6	27.500		
	MENA	Asia News TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Toyor Baby	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Mayadeen TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Mokhatat Safawi	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alrased	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alikhbaria Syria	TV	DVB-S	5/6	27.500		Arabic
	MENA	Wesal Haq	TV	DVB-S	5/6	27.500		
	MENA	Al-Iman TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alkofiya TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alkawthar TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Wesal TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	TRT Arapça	TV	DVB-S	5/6	27.500		Arabic
	MENA	Radio Albachaer	radio	DVB-S	5/6	27.500		Arabic
11.411	H MENA	Ginx eSports TV International	TV	DVB-S2	3/4	30.000	Betacrypt	English
	MENA	OSN Sports 4	TV	DVB-S2	3/4	30.000	Betacrypt	English
11.430	V MENA	unknown	package	DVB-S	5/6	27.500		
	MENA	Al Nada TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Rafidain +	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al-Nahar Drama +2	TV	DVB-S	5/6	27.500		Arabic
	MENA	Palestine Mobasher	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Kahera Wal Nas 2	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alghad TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Majan TV Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Azhari TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alghad TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sada Elbalad Drama	TV	DVB-S	5/6	27.500		Arabic
	MENA	5 Stars	TV	DVB-S	5/6	27.500		Arabic
	MENA	Ten	TV	DVB-S	5/6	27.500		Arabic
11.449	H MENA	DMC	package	DVB-S	5/6	27.500		
	MENA	DMC	TV	DVB-S	5/6	27.500		Arabic
	MENA	DMC	TV	DVB-S	5/6	27.500		Arabic
	MENA	DMC News	TV	DVB-S	5/6	27.500		Arabic
	MENA	DMC Drama	TV	DVB-S	5/6	27.500		Arabic
	MENA	DMC Sports	TV	DVB-S	5/6	27.500		Arabic
	MENA	NRJ Egypt	radio	DVB-S	5/6	27.500		Arabic
11.475	V NW Africa	Al Aoula Middle East	TV	DVB-S	3/4	27.500		Arabic
	NW Africa	2M National	TV	DVB-S	3/4	27.500		Arabic
	NW Africa	Arrayadia	TV	DVB-S	3/4	27.500		Arabic
	NW Africa	Athaqafia	TV	DVB-S	3/4	27.500		Arabic
	NW Africa	Al Maghribia	TV	DVB-S	3/4	27.500		Arabic
	NW Africa	Assadissa	TV	DVB-S	3/4	27.500		Arabic
	NW Africa	Tamazight	TV	DVB-S	3/4	27.500		Berber
	NW Africa	Al Aoula Middle East	TV	DVB-S	3/4	27.500		Arabic
	NW Africa	Medi 1 TV Afrique	TV	DVB-S	3/4	27.500		French
	NW Africa	Al Aoula Middle East	TV	DVB-S	3/4	27.500		Arabic
	NW Africa	Idaa al Watania	radio	DVB-S	3/4	27.500		Arabic
11.488	H MENA	unknown	package	DVB-S	5/6	27.500		
	MENA	Al-Nahar TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	ERTU 2	TV	DVB-S	5/6	27.500		Arabic
	MENA	Oscar TV	TV	DVB-S	5/6	27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	Qatar Today TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al-Nahar Drama	TV	DVB-S	5/6	27.500		Arabic
	MENA	CBC Drama	TV	DVB-S	5/6	27.500		Arabic
	MENA	CBC	TV	DVB-S	5/6	27.500		Arabic
	MENA	Extra News	TV	DVB-S	5/6	27.500		Arabic
	MENA	CBC Sofra	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alhayah Alaan promo	TV	DVB-S	5/6	27.500		Arabic
11.514	V NW Africa	SNRT	package	DVB-S2	2/3	27.500		
	NW Africa	Al Aoula Middle East	TV	DVB-S2	2/3	27.500		Arabic
	NW Africa	Athaqafia	TV	DVB-S2	2/3	27.500		Arabic
	NW Africa	Al Maghribia	TV	DVB-S2	2/3	27.500		Arabic
	NW Africa	Assadissa	TV	DVB-S2	2/3	27.500		Arabic
	NW Africa	Tamazight	TV	DVB-S2	2/3	27.500		Arabic
11.526	H MENA	Noorsat	package	DVB-S	5/6	27.500		
	MENA	M Cinema	TV	DVB-S	5/6	27.500		Arabic
	MENA	Ahwazona TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Masrawia Aflam	TV	DVB-S	5/6	27.500		Arabic
	MENA	KTO	TV	DVB-S	5/6	27.500		French
	MENA	Belqees TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alalam News Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	SA 24	TV	DVB-S	5/6	27.500		Arabic
	MENA	Shanpoo Aflam	TV	DVB-S	5/6	27.500		Arabic
	MENA	Mazazikh	TV	DVB-S	5/6	27.500		Arabic
	MENA	Star Cinema 1	TV	DVB-S	5/6	27.500		Arabic
	MENA	Masdar TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Shahrazad Alkher	TV	DVB-S	5/6	27.500		Arabic
	MENA	Star Cinema 2	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Nassr TV	TV	DVB-S	5/6	27.500		French
	MENA	Belody Aflam	TV	DVB-S	5/6	27.500		Arabic
	MENA	Libya TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Iraq News	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Nabaa Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alminbar	TV	DVB-S	5/6	27.500		Arabic
	MENA	IUC	TV	DVB-S	5/6	27.500		Arabic
	MENA	Radio Mariam Arabic	radio	DVB-S	5/6	27.500		Arabic
11.559	V NW Africa	MBC	package	DVB-S	5/6	27.500		
	NW Africa	Al Hadath	TV	DVB-S	5/6	27.500		Arabic
	NW Africa	Al Arabiya	TV	DVB-S	5/6	27.500		Arabic
	NW Africa	MBC	TV	DVB-S	5/6	27.500		Arabic
	NW Africa	MBC 4	TV	DVB-S	5/6	27.500		English
	NW Africa	MBC 3	TV	DVB-S	5/6	27.500		Arabic
	NW Africa	MBC Action	TV	DVB-S	5/6	27.500		English
	NW Africa	MBC 2	TV	DVB-S	5/6	27.500		Arabic
	NW Africa	MBC Max	TV	DVB-S	5/6	27.500		Arabic
	NW Africa	MBC Bollywood	TV	DVB-S	5/6	27.500		Arabic
	NW Africa	MBC Drama	TV	DVB-S	5/6	27.500		Arabic
11.564	H MENA	unknown	package	DVB-S	3/4	27.500		
	MENA	Nilesat promo	TV	DVB-S	3/4	27.500		
11.603	H MENA	Noorsat	package	DVB-S	5/6	27.500		
	MENA	Elwatan Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Altaleaa TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Karbala Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Cima Alibaba	TV	DVB-S	5/6	27.500		Arabic
	MENA	Music Sha3by TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	7Besha	TV	DVB-S	5/6	27.500		Arabic
	MENA	Afrah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Koky Kids	TV	DVB-S	5/6	27.500		Arabic
	MENA	Syrian Educational TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Orient News	TV	DVB-S	5/6	27.500		Arabic
	MENA	Tok Tok Cinema	TV	DVB-S	5/6	27.500		Arabic
	MENA	Tal2a Hendy	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Sa3aa Comedy	TV	DVB-S	5/6	27.500		Arabic
	MENA	Assirat TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Shasha Cinema	TV	DVB-S	5/6	27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	MIT	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alhouda	radio	DVB-S	5/6	27.500		Arabic
11.641	H MENA	unknown	package	DVB-S	5/6	27.500		
	MENA	IBN	TV	DVB-S	5/6	27.500		Arabic
	MENA	IFilm Arabic	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alwilayah TV	TV	DVB-S	5/6	27.500		Farsi
	MENA	Thaqalayn TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Hodhod Arabic TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	An Najaf Al Ashraf	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Baenah Iraq TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Eshraq TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Dua Channel	TV	DVB-S	5/6	27.500		
	MENA	Al Qamar TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Minhaj TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Velayat TV Network	TV	DVB-S	5/6	27.500		Farsi
11.658	V NW Africa	ONT	package	DVB-S	2/3	27.500		
	NW Africa	Watania 1	TV	DVB-S	2/3	27.500		Arabic
	NW Africa	Elhiwar Ettounsi TV	TV	DVB-S	2/3	27.500		Arabic
	NW Africa	Tunisna TV	TV	DVB-S	2/3	27.500		Arabic
	NW Africa	Atessia TV	TV	DVB-S	2/3	27.500		Arabic
	NW Africa	M Tunisia	TV	DVB-S	2/3	27.500		Arabic
	NW Africa	Watania 2	TV	DVB-S	2/3	27.500		Arabic
	NW Africa	Telvza TV	TV	DVB-S	2/3	27.500		French
	NW Africa	Al Janoubiya TV	TV	DVB-S	2/3	27.500		Arabic
	NW Africa	Carthage+	TV	DVB-S	2/3	27.500		Arabic
	NW Africa	Al Insen TV	TV	DVB-S	2/3	27.500		Arabic
	NW Africa	Hannibal TV	TV	DVB-S	2/3	27.500		Arabic
	NW Africa	Radio Nationale	radio	DVB-S	2/3	27.500		Arabic
	NW Africa	Radio Tunis Chaîne Internationale	radio	DVB-S	2/3	27.500		
	NW Africa	Radio Culturelle	radio	DVB-S	2/3	27.500		Arabic
11.680	H MENA	Chaîne 2	radio	DVB-S	3/4	27.500		Berber
	MENA	Radio Décrochage	radio	DVB-S	3/4	27.500		
	MENA	Radio Décrochage 2	radio	DVB-S	3/4	27.500		
	MENA	Jil FM	radio	DVB-S	3/4	27.500		French
	MENA	Radio Coran	radio	DVB-S	3/4	27.500		Arabic
	MENA	Radio Ouargla	radio	DVB-S	3/4	27.500		Arabic
	MENA	Radio Tamanrasset	radio	DVB-S	3/4	27.500		Arabic
	MENA	Radio Bechar	radio	DVB-S	3/4	27.500		
	MENA	Radio Adrar	radio	DVB-S	3/4	27.500		Arabic
	MENA	Radio Illizi	radio	DVB-S	3/4	27.500		
	MENA	Radio Tindouf	radio	DVB-S	3/4	27.500		Arabic
	MENA	Radio Chlef	radio	DVB-S	3/4	27.500		
	MENA	Radio D'Oum El Bouaghi	radio	DVB-S	3/4	27.500		
	MENA	Radio Décrochage	radio	DVB-S	3/4	27.500		
	MENA	Radio Biskra	radio	DVB-S	3/4	27.500		Arabic
	MENA	Radio Blida	radio	DVB-S	3/4	27.500		
	MENA	Radio Setif	radio	DVB-S	3/4	27.500		French
	MENA	Radio Sidi Bel Abbès	radio	DVB-S	3/4	27.500		
	MENA	Radio Annaba	radio	DVB-S	3/4	27.500		
	MENA	Radio Constantine	radio	DVB-S	3/4	27.500		
	MENA	Radio Mostaganem	radio	DVB-S	3/4	27.500		
	MENA	Radio Msila	radio	DVB-S	3/4	27.500		
	MENA	Radio Oran	radio	DVB-S	3/4	27.500		
	MENA	Radio Bordj Bou-Arredj	radio	DVB-S	3/4	27.500		
	MENA	Radio Boumerdes	radio	DVB-S	3/4	27.500		
	MENA	Radio El Tarf	radio	DVB-S	3/4	27.500		Arabic
	MENA	Radio Souk Ahras	radio	DVB-S	3/4	27.500		Arabic
	MENA	Radio Ain Temouchent	radio	DVB-S	3/4	27.500		
	MENA	Radio Coran	radio	DVB-S	3/4	27.500		Arabic
	MENA	Radio Relizane	radio	DVB-S	3/4	27.500		
	MENA	Radio Naama	radio	DVB-S	3/4	27.500		
	MENA	Radio Tiaret	radio	DVB-S	3/4	27.500		
	MENA	Radio Tipaza	radio	DVB-S	3/4	27.500		
	MENA	Radio Saïda	radio	DVB-S	3/4	27.500		

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	Radio Jijel	radio	DVB-S	3/4	27.500		
	MENA	Radio Tebessa	radio	DVB-S	3/4	27.500		
	MENA	Radio Medea	radio	DVB-S	3/4	27.500		
	MENA	Radio Mascara	radio	DVB-S	3/4	27.500		
	MENA	Radio El Bayadh	radio	DVB-S	3/4	27.500		
	MENA	Radio El-Oued	radio	DVB-S	3/4	27.500		
	MENA	Radio Batna	radio	DVB-S	3/4	27.500		
	MENA	Radio Laghouat	radio	DVB-S	3/4	27.500		
	MENA	Radio Ain Defla	radio	DVB-S	3/4	27.500		
	MENA	Radio Tissemsilt	radio	DVB-S	3/4	27.500		
	MENA	Radio Bouira	radio	DVB-S	3/4	27.500		
	MENA	Radio Guelma	radio	DVB-S	3/4	27.500		
	MENA	Radio Mila	radio	DVB-S	3/4	27.500		
	MENA	Radio regionale de Skikda	radio	DVB-S	3/4	27.500		
	MENA	Radio Khenchla	radio	DVB-S	3/4	27.500		
	MENA	Radio Djelfa	radio	DVB-S	3/4	27.500		
	MENA	Radio Tizi Ouzou	radio	DVB-S	3/4	27.500		
	MENA	Radio Bejaia	radio	DVB-S	3/4	27.500		
	MENA	Radio Tlemcen	radio	DVB-S	3/4	27.500		
	MENA	Radio Régionale de Ghardaïa	radio	DVB-S	3/4	27.500		Arabic
11.682	V NW Africa	unknown	package	DVB-S	1/2	4.814	Conax	
	NW Africa	Wisal Hausa TV	TV	DVB-S	1/2	4.814		Hausa
	NW Africa	BW TV	TV	DVB-S	1/2	4.814	Conax	German
	NW Africa	Radio Andernach	radio	DVB-S	1/2	4.814	Conax	German
12.111	H MENA	Oman TV	package	DVB-S	3/4	27.500		
	MENA	Oman TV	TV	DVB-S	3/4	27.500		Arabic
	MENA	Oman TV Sport	TV	DVB-S	3/4	27.500		Arabic
	MENA	Oman TV	TV	DVB-S	3/4	27.500		Arabic
	MENA	Oman TV Live	TV	DVB-S	3/4	27.500		Arabic
	MENA	Oman TV Sport	TV	DVB-S	3/4	27.500		Arabic
	MENA	Oman TV Live	TV	DVB-S	3/4	27.500		Arabic
	MENA	Oman TV Culture	TV	DVB-S	3/4	27.500		Arabic
	MENA	Oman TV Culture	TV	DVB-S	3/4	27.500		Arabic
	MENA	Radio Oman	radio	DVB-S	3/4	27.500		Arabic
	MENA	Al-Shabab	radio	DVB-S	3/4	27.500		Arabic
	MENA	Radio Oman FM	radio	DVB-S	3/4	27.500		English
	MENA	Holy Quran Radio	radio	DVB-S	3/4	27.500		Arabic
	MENA	Oman Classic Radio	radio	DVB-S	3/4	27.500		English
	MENA	Sawt Oman	radio	DVB-S	3/4	27.500		Arabic
12.169	V MENA	unknown	package	DVB-S	5/6	27.500		
	MENA	Sada Elbalad 2	TV	DVB-S	5/6	27.500		Arabic
	MENA	Music Haneen	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al-Teeb TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Sahraa TV Alabel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Arabiya	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Hadath	TV	DVB-S	5/6	27.500		Arabic
	MENA	Radio Hits 88.2	radio	DVB-S	5/6	27.500		Arabic
	MENA	Mega 92.7 FM	radio	DVB-S	5/6	27.500		Arabic
	MENA	Naghham FM	radio	DVB-S	5/6	27.500		Arabic
	MENA	Sha3by FM 95	radio	DVB-S	5/6	27.500		Arabic
12.188	H MENA	Al-Iraqiya News	TV	DVB-S2	5/6	27.500		Arabic
	MENA	unknown	package	DVB-S2	5/6	27.500		
	MENA	NBN	TV	DVB-S2	5/6	27.500		Arabic
	MENA	Kurdsat	TV	DVB-S2	5/6	27.500		Kurdish
	MENA	Huda TV	TV	DVB-S2	5/6	27.500		English
	MENA	Dengi Kurdsat	radio	DVB-S2	5/6	27.500		Kurdish
12.245	V MENA	BeIn	package	DVB-S2	2/3	27.500		
	MENA	BeIn Sports HD 10	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic,English
	MENA	BeIn Sports Global	TV	DVB-S2	2/3	27.500		Arabic,English
	MENA	BeIn Sports News	TV	DVB-S2	2/3	27.500		Arabic
	MENA	BeIn Sports HD 1 Max promo	TV	DVB-S2	2/3	27.500		Arabic
	MENA	BeIn Sports HD 2 Max promo	TV	DVB-S2	2/3	27.500		Arabic
	MENA	BeIn Sports HD 4 Max promo	TV	DVB-S2	2/3	27.500		Arabic
12.265	H MENA	BeIn	package	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	



Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	BeIn Sports HD 1	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic,English
	MENA	BeIn Sports HD 2	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic,English
	MENA	BeIn Sports HD 3	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic,English
	MENA	BeIn Sports HD 4	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic,English
	MENA	BeIn Sports HD 3 Max promo	TV	DVB-S2	2/3	27.500		Arabic
12.322	V MENA	Dubai Sports	TV	DVB-S2	3/4	30.000		Arabic
	MENA	Dubai Racing	TV	DVB-S2	3/4	30.000		Arabic
	MENA	Ajman TV	TV	DVB-S2	3/4	30.000		Arabic
	MENA	Madani Channel Urdu	TV	DVB-S2	3/4	30.000		Urdu
	MENA	Al Dafrah TV	TV	DVB-S2	3/4	30.000		Arabic
	MENA	Fujairah TV	TV	DVB-S2	3/4	30.000		Arabic
	MENA	Nat Geo Kids Abu Dhabi	TV	DVB-S2	3/4	30.000		Arabic
	MENA	Zayed Radio	radio	DVB-S2	3/4	30.000		Arabic
	MENA	Fujairah 92.6 FM	radio	DVB-S2	3/4	30.000		Arabic
12.341	H MENA	Nilesat	package	DVB-S	5/6	27.500		
	MENA	Al Mowselya TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Afaq Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Amhara TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Panorama Drama	TV	DVB-S	5/6	27.500		Arabic
	MENA	Panorama Food	TV	DVB-S	5/6	27.500		Arabic
	MENA	Yemen Today TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Ahly TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Panorama Drama 2	TV	DVB-S	5/6	27.500		English
	MENA	Alahad TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	FM Behir Dar 96.9	radio	DVB-S	5/6	27.500		Arabic
12.360	V MENA	Du	package	DVB-S	3/4	27.500		
	MENA	Alsumaria	TV	DVB-S	3/4	27.500		Arabic
	MENA	Al Waha TV	TV	DVB-S	3/4	27.500		Arabic
	MENA	Imagine Movies	TV	DVB-S	3/4	27.500		
	MENA	Ennahar TV	TV	DVB-S	3/4	27.500		Arabic
	MENA	LDC	TV	DVB-S	3/4	27.500		Arabic
	MENA	MTV Alloubnaniya	TV	DVB-S	3/4	27.500		Arabic
	MENA	Aghani Aghani TV	TV	DVB-S	3/4	27.500		Arabic
	MENA	Arabica TV	TV	DVB-S	3/4	27.500		
	MENA	Al Ghad Al Mushreq	TV	DVB-S	3/4	27.500		Arabic
	MENA	Al Rasheed TV	TV	DVB-S	3/4	27.500		Arabic
	MENA	Samira TV	TV	DVB-S	3/4	27.500		Arabic
	MENA	Sumer FM	radio	DVB-S	3/4	27.500		Arabic
	MENA	Dzair TV	TV	DVB-S	3/4	27.500		Arabic
	MENA	Al Rasheed FM	radio	DVB-S	3/4	27.500		Arabic
12.380	H MENA	Nilesat	package	DVB-S	5/6	27.500		
	MENA	Almasar Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	EBC 3	TV	DVB-S	5/6	27.500		Amharic
	MENA	Al-Iraqiya Sport	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Assema 2	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Assema	TV	DVB-S	5/6	27.500		Arabic
	MENA	Moga Comedy	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Rafidain TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Télé Tchad	TV	DVB-S	5/6	27.500		French
	MENA	Oromiyaa Radio	radio	DVB-S	5/6	27.500		
	MENA	Forqan Radio	radio	DVB-S	5/6	27.500		Arabic
	MENA	Radio Iraqia	radio	DVB-S	5/6	27.500		Arabic
	MENA	FM Addis 97.1	radio	DVB-S	5/6	27.500		Amharic
	MENA	Radio Ethiopia National Radio	radio	DVB-S	5/6	27.500		Amharic
	MENA	Radio Tchad	radio	DVB-S	5/6	27.500		French
12.399	V MENA	Jordan Media City	package	DVB-S	5/6	27.500		
	MENA	Altaghier TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Makkah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Diyar Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Roya TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Ahl-Alquran TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Maestro	TV	DVB-S	5/6	27.500		Arabic
	MENA	218	TV	DVB-S	5/6	27.500		Arabic
	MENA	Kuwait Medical TV	TV	DVB-S	5/6	27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	Karkok Alan	TV	DVB-S	5/6	27.500		
	MENA	TT1	TV	DVB-S	5/6	27.500		
	MENA	Jordan Now TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Syria Medical	TV	DVB-S	5/6	27.500		Arabic
	MENA	Dabanga TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Eamar Syria TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Jenan TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Shamna TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sama Jordan	TV	DVB-S	5/6	27.500		Arabic
	MENA	Dzair M	TV	DVB-S	5/6	27.500		Arabic
	MENA	MB Ruqia	TV	DVB-S	5/6	27.500		Arabic
	MENA	VoA Africa 24	TV	DVB-S	5/6	27.500		English
	MENA	Al Wadi TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Jannah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Manaseer TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Amen FM TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Eamar Syria TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	JNC	TV	DVB-S	5/6	27.500		Arabic
	MENA	Jordan Adwaa	TV	DVB-S	5/6	27.500		Arabic
	MENA	Fact International	TV	DVB-S	5/6	27.500		Arabic
	MENA	Soora TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Dzair 25	TV	DVB-S	5/6	27.500		Arabic
	MENA	El Adjwaa TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Haqia	TV	DVB-S	5/6	27.500		Arabic
	MENA	El Aggar TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Radio Alwasat	radio	DVB-S	5/6	27.500		Arabic
	MENA	Radio Al-Mahabba	radio	DVB-S	5/6	27.500		Arabic
12.418	H MENA	Dubai Media	package	DVB-S	3/4	27.500		
	MENA	Dubai TV	TV	DVB-S	3/4	27.500		Arabic
	MENA	Sama Dubai	TV	DVB-S	3/4	27.500		Arabic
	MENA	Dubai One	TV	DVB-S	3/4	27.500		English
	MENA	Dubai Sports 2	TV	DVB-S	3/4	27.500		Arabic
	MENA	Dubai Sports 3	TV	DVB-S	3/4	27.500		Arabic
	MENA	Dubai Racing 2	TV	DVB-S	3/4	27.500		Arabic
	MENA	Dubai Racing 3	TV	DVB-S	3/4	27.500		Arabic
	MENA	Noor Dubai	TV	DVB-S	3/4	27.500		Arabic
	MENA	Dubai Zaman	TV	DVB-S	3/4	27.500		Arabic
	MENA	Noor Dubai Radio	radio	DVB-S	3/4	27.500		English
	MENA	Dubai Radio 93	radio	DVB-S	3/4	27.500		Arabic
12.437	V MENA	Nilesat	package	DVB-S	5/6	27.500		
	MENA	ANN	TV	DVB-S	5/6	27.500		Arabic
	MENA	Diwan TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Cairo University	TV	DVB-S	5/6	27.500		
	MENA	Diwan TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al-Iraqiya News	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sham FM International	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alanbar Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alhayah Mosalsalat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Türkmen TV	TV	DVB-S	5/6	27.500		Turkmen
	MENA	Republic of Iraq Radio	radio	DVB-S	5/6	27.500		Arabic
12.467	H MENA	Abu Dhabi TV Network	package	DVB-S2	2/3	27.500		
	MENA	Abu Dhabi TV	TV	DVB-S2	2/3	27.500		Arabic
	MENA	Emarat TV	TV	DVB-S2	2/3	27.500		Arabic
	MENA	Majid	TV	DVB-S2	2/3	27.500		Arabic
	MENA	Abu Dhabi Drama	TV	DVB-S2	2/3	27.500		Arabic
	MENA	Abu Dhabi Sports 1	TV	DVB-S2	2/3	27.500		Arabic
	MENA	Abu Dhabi Sports 2	TV	DVB-S2	2/3	27.500		Arabic
	MENA	Yas TV	TV	DVB-S2	2/3	27.500		Arabic
	MENA	National Geographic Abu Dhabi	TV	DVB-S2	2/3	27.500		Arabic
12.476	V MENA	BeIn	package	DVB-S2	2/3	27.500	Irdeto 2/KeyFly/Viaccess 4.0/Videoguard	
	MENA	BeIn Sports HD 5	TV	DVB-S2	2/3	27.500	Irdeto 2/KeyFly/Viaccess 4.0	Arabic,English
	MENA	BeIn Sports HD 6	TV	DVB-S2	2/3	27.500	Irdeto 2/KeyFly/Viaccess 4.0	Arabic,English
	MENA	BeIn Sports HD 7	TV	DVB-S2	2/3	27.500	Irdeto 2/KeyFly/Viaccess 4.0	Arabic,English
	MENA	BeIn Sports HD 8	TV	DVB-S2	2/3	27.500	Irdeto 2/KeyFly/Viaccess 4.0	Arabic,English

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA	BeIn Sports HD 9	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic,English
<b>EUTELSAT 5 WEST A</b>								
3.646	R C	Télé Sahel	TV	DVB-S	3/4	2.170		French
	C	Voix du Sahel	radio	DVB-S	3/4	2.170		French
3.652	R C	Tele Congo	TV	DVB-S	7/8	2.018		French
	C	Radio Congo	radio	DVB-S	7/8	2.018		French
3.656	R C	Radio Maisha	radio	DVB-S2	3/5	2.917		
3.712	L C	CRTV	package	DVB-S2	5/6	4.250		
	C	CRTV	TV	DVB-S2	5/6	4.250		French
	C	CRTV News promo	TV	DVB-S2	5/6	4.250		French
	C	CRTV National Radio	radio	DVB-S2	5/6	4.250		French
3.727	R C	Globecast	package	DVB-S	7/8	29.950		
	C	Globecast promo	TV	DVB-S	7/8	29.950		French
	C	Globecast promo	TV	DVB-S	7/8	29.950		French
	C	Tele Congo	TV	DVB-S	7/8	29.950		French
	C	Al Maghribia	TV	DVB-S	7/8	29.950		Arabic
	C	Canal Algérie	TV	DVB-S	7/8	29.950		Arabic
	C	Equidia Pro 1	TV	DVB-S	7/8	29.950	Viaccess 4.0	French
	C	Equidia Pro 2	TV	DVB-S	7/8	29.950	Viaccess 4.0	French
	C	TVE Internacional Europa	TV	DVB-S	7/8	Y 29.950		Spanish
	C	Cofrac	radio	DVB-S	7/8	29.950		French
	C	RTBF International	radio	DVB-S	7/8	29.950		
	C	Radio Al Bayane	radio	DVB-S	7/8	29.950		French
	C	Radio Congo	radio	DVB-S	7/8	29.950		French
	C	Chaîne 1	radio	DVB-S	7/8	29.950		Arabic
	C	Radio Algérie Internationale	radio	DVB-S	7/8	29.950		
	C	RNE Radio Nacional	radio	DVB-S	7/8	29.950		Spanish
	C	Radio Exterior	radio	DVB-S	7/8	29.950		
3.743	L C	CRTV	TV	DVB-S	5/6	2.785		French
	C	CRTV National Radio	radio	DVB-S	5/6	2.785		French
4.015	R C	Top TV	TV	DVB-S2	3/4	3.591		French
4.021	R C	Dunamis TV	TV	DVB-S2	3/4	1.245		English
4.100	L C	Gabon TV	TV	DVB-S	7/8	1.944		French
	C	RTG Radio 1	radio	DVB-S	7/8	1.944		French
4.102	L C	Gabon 24	TV	DVB-S2	3/4	1.249		French
4.103	L C	Télé Africa	TV	DVB-S2	3/4	1.249		French
4.154	L C	ORTB TV	TV	DVB-S	3/4	2.985		French
	C	Radio Bénin	radio	DVB-S	3/4	2.985		French
	C	Radio Parakou	radio	DVB-S	3/4	2.985		French
4.156	L C	BB 24	TV	DVB-S	7/8	1.793		French
	C	Atlantic FM	radio	DVB-S	7/8	1.793		French
	C	Radio Bénin	radio	DVB-S	7/8	1.793		French
4.162	L C	Africa N° 1 Libreville	package	DVB-S	3/4	1.500		
	C	Africa N° 1 Libreville	radio	DVB-S	3/4	1.500		French
	C	Africa N° 1 Libreville	radio	DVB-S	3/4	1.500		French
4.164	L C	Africa N° 1 Paris	radio	DVB-S	1/2	.556		French
10.972	V Super	Fransat	package	DVB-S2	3/4	29.950	Viaccess 4.0	
	Super	TV 5 Monde France Belgique Suisse	TV	DVB-S2	3/4	Y 29.950	Viaccess 4.0	French
	Super	QVC France	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Aquitaine	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Auvergne	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Alpes	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Limousin	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Rhône-Alpes	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Côte d'Azur	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Languedoc-Roussillon	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Pays de la Loire	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Bretagne	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
11.013	V Super	RAI	package	DVB-S2	3/5	30.000		
	Super	Rai Sport	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai 5	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai Scuola	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai Storia	TV	DVB-S2	3/5	30.000		Italian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Super	Rai Gr Parlamento	radio	DVB-S2	3/5	30.000		Italian
	Super	Rai Isoradio	radio	DVB-S2	3/5	30.000		Italian
	Super	RAI	package	DVB-S2	3/5	30.000		
	Super	Rai 3 Piemonte	TV	DVB-S2	3/5	30.000		Italian
11.054	V Super	Fransat	package	DVB-S2	3/4	29.950	Viaccess 4.0	
	Super	Dlci TV	TV	DVB-S2	3/4	29.950		French
	Super	ETB 1	TV	DVB-S2	3/4	29.950	Viaccess 4.0	Basque
	Super	ETB 3	TV	DVB-S2	3/4	29.950	Viaccess 4.0	Basque
	Super	France 3 Picardie	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Nord Pas-de-Calais	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Lorraine	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Provence-Alpes	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Poitou-Charentes	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Champagne-Ardenne	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Alsace	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Midi-Pyrénées	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 3 Corse Via Stella	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
11.096	V Super	Fransat	package	DVB-S2	3/4	29.950	Viaccess 4.0	
	Super	TF 1	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	M6	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	ARTE Français	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French,German
	Super	Boing France	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Boomerang France	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Toonami France	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	NRJ 12	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 5	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	W9	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	6ter	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	TMC	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	LCP TNT	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
11.179	V Super	RAI	package	DVB-S2	3/5	30.000		
	Super	Rai Premium	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai Yoyo	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai 4	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai Gulp	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai Movie	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai 1	TV	DVB-S2	3/5	30.000		Italian
	Super	RAI	package	DVB-S2	3/5	30.000		
	Super	Rai 2	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai 3	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai Sport + HD	TV	DVB-S2	3/5	30.000		Italian
	Super	RAI	package	DVB-S2	3/5	30.000		
	Super	Rai 3 Campania	TV	DVB-S2	3/5	30.000		Italian
11.456	H Super	TowerCast	package	DVB-S2	3/4	2.400		
	Super	Skyrock	radio	DVB-S2	3/4	2.400		French
	Super	NRJ France	radio	DVB-S2	3/4	2.400		French
	Super	Nostalgie	radio	DVB-S2	3/4	2.400		French
11.458	H Super	TowerCast	package	DVB-S	1/2	.543		
	Super	Nostalgie Belgique	radio	DVB-S	1/2	.543		French
	Super	NRJ Belgique	radio	DVB-S	1/2	.543		French
11.465	H Super	Alouette	package	DVB-S2	3/5	.667		
	Super	Alouette	radio	DVB-S2	3/5	.667		French
	Super	Alouette	radio	DVB-S2	3/5	.667		French
	Super	Alouette	radio	DVB-S2	3/5	.667		French
11.471	V Super	Fransat	package	DVB-S2	3/4	29.950	Viaccess 4.0	
	Super	L'Équipe	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Numéro 23	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Chérie 25	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Canal J	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Tiji	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	BeIn Sports Max 4	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	BeIn Sports Max 5	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	C News	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Super	BFM TV	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	C8	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	C Star	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Gulli	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
11.480	H Wide	TDF	package	DVB-S2	3/4	3.215		
	Wide	RTL	radio	DVB-S2	3/4	3.215		French
	Wide	Radio Courtoisie	radio	DVB-S2	3/4	3.215		French
	Wide	RCF Isère	radio	DVB-S2	3/4	3.215		French
	Wide	RTL 2	radio	DVB-S2	3/4	3.215		French
	Wide	Fun Radio	radio	DVB-S2	3/4	3.215		French
	Wide	Radio Classique	radio	DVB-S2	3/4	3.215		French
	Wide	Europe 1	radio	DVB-S2	3/4	3.215		French
	Wide	Virgin Radio France	radio	DVB-S2	3/4	3.215		French
	Wide	RFM	radio	DVB-S2	3/4	3.215		French
	Wide	RMC	radio	DVB-S2	3/4	3.215		French
	Wide	BFM Business Radio	radio	DVB-S2	3/4	3.215		French
	Wide	France Inter	radio	DVB-S2	3/4	3.215		French
	Wide	France Culture	radio	DVB-S2	3/4	3.215		French
	Wide	France Musique	radio	DVB-S2	3/4	3.215		French
	Wide	FIP	radio	DVB-S2	3/4	3.215		French
	Wide	France Info	radio	DVB-S2	3/4	3.215		French
	Wide	Mouv'	radio	DVB-S2	3/4	3.215		French
	Wide	MFM Radio	radio	DVB-S2	3/4	3.215		French
	Wide	Sud Radio	radio	DVB-S2	3/4	3.215		French
11.509	H Wide	unknown	package	DVB-S2	8/9	29.500		
	Wide	France 2	TV	DVB-S2	8/9	29.500		French
	Wide	France 3	TV	DVB-S2	8/9	29.500		French
	Wide	France 4	TV	DVB-S2	8/9	29.500		French
	Wide	France Ô	TV	DVB-S2	8/9	29.500		French
	Wide	Franceinfo:	TV	DVB-S2	8/9	29.500		French
	Wide	unknown	package	DVB-S2	8/9	29.500		
	Wide	M6	TV	DVB-S2	8/9	29.500		French
	Wide	W9	TV	DVB-S2	8/9	29.500		French
	Wide	ARTE Français	TV	DVB-S2	8/9	29.500		French,German
	Wide	France 5	TV	DVB-S2	8/9	29.500		French
	Wide	6ter	TV	DVB-S2	8/9	29.500		French
	Wide	unknown	package	DVB-S2	8/9	29.500		
	Wide	TF 1	TV	DVB-S2	8/9	29.500		French
	Wide	NRJ 12	TV	DVB-S2	8/9	29.500		French
	Wide	TMC	TV	DVB-S2	8/9	29.500		French
	Wide	LCP TNT	TV	DVB-S2	8/9	29.500		French
11.512	V Super	Bis TV	package	DVB-S2	3/4	29.950	Viaccess 4.0	
	Super	RTL 9	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Mangas	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	AB 1	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	AB Moteurs	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Golf Channel France	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Game One	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Trek	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Animaux	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Science & Vie TV	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Toute l'Histoire	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Chasse & Pêche	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Action	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Bis TV promo	TV	DVB-S2	3/4	29.950		French
	Super	Paramount Channel France	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Crime District	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	XXL	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Dorcel TV	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French,German,English
	Super	Téva	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Equidia	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
11.538	H Wide	Divona	interactiv e	DVB-S	7/8	8.681	Creation	
11.554	V Super	Fransat	package	DVB-S2	3/4	29.950	Viaccess 4.0	
	Super	France 2	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Super	France 3	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France 4	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	France Ô	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Franceinfo:	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	Canal + France clair Fransat	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	LCI	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	OCS City	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French,English
	Super	OCS choc	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French,English
	Super	OCS geants	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French,English
	Super	OCS max	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French,English
	Super	Fransat Info promo	TV	DVB-S2	3/4	29.950		French
11.596	V Super	Fransat	package	DVB-S2	2/3	29.950	Viaccess 4.0	
	Super	SFR Sport 4K	TV	DVB-S2	2/3	29.950	Viaccess 4.0	French
	Super	SFR Sport 5	TV	DVB-S2	2/3	29.950	Viaccess 4.0	French
	Super	BFM Sport	TV	DVB-S2	2/3	29.950	Viaccess 4.0	French
	Super	BFM Paris	TV	DVB-S2	2/3	29.950	Viaccess 4.0	French
	Super	BFM Business	TV	DVB-S2	2/3	29.950	Viaccess 4.0	French
	Super	I24 News Français	TV	DVB-S2	2/3	29.950	Viaccess 4.0	French
	Super	13ème Rue	TV	DVB-S2	2/3	29.950	Viaccess 4.0	French,English
	Super	Syfy France	TV	DVB-S2	2/3	29.950	Viaccess 4.0	French,English
	Super	E! France	TV	DVB-S2	2/3	29.950	Viaccess 4.0	French
	Super	SFR promo	TV	DVB-S2	2/3	29.950		French
11.637	V Super	RAI	package	DVB-S2	3/5	30.000		
	Super	Rai 1	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai 2	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai 3 Liguria	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai News 24	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai Radio 1	radio	DVB-S2	3/5	30.000		Italian
	Super	Rai Radio 2	radio	DVB-S2	3/5	30.000		Italian
	Super	Rai Radio 3	radio	DVB-S2	3/5	30.000		Italian
	Super	RAI	package	DVB-S2	3/5	30.000		
	Super	Rai 3 Toscana	TV	DVB-S2	3/5	30.000		Italian
	Super	RAI	package	DVB-S2	3/5	30.000		
	Super	Rai 3 Umbria	TV	DVB-S2	3/5	30.000		Italian
	Super	RAI	package	DVB-S2	3/5	30.000		
	Super	Rai 3 Lazio	TV	DVB-S2	3/5	30.000		Italian
	Super	RAI	package	DVB-S2	3/5	30.000		
	Super	Rai 3 Marche	TV	DVB-S2	3/5	30.000		Italian
	Super	RAI	package	DVB-S2	3/5	30.000		
	Super	Rai 3 Liguria	TV	DVB-S2	3/5	30.000		Italian
11.675	H Super	RAI	package	DVB-S2	2/3	30.000		
	Super	Rai 3 Piemonte	TV	DVB-S2	2/3	30.000		Italian
	Super	RAI	package	DVB-S2	2/3	30.000		
	Super	Rai 3 Lombardia	TV	DVB-S2	2/3	30.000		Italian
	Super	RAI	package	DVB-S2	2/3	30.000		
	Super	Rai 3 Veneto	TV	DVB-S2	2/3	30.000		Italian
	Super	RAI	package	DVB-S2	2/3	30.000		
	Super	Rai 3 Emilia Romagna	TV	DVB-S2	2/3	30.000		Italian
	Super	RAI	package	DVB-S2	2/3	30.000		
	Super	Rai 3 Abruzzo	TV	DVB-S2	2/3	30.000		Italian
	Super	RAI	package	DVB-S2	2/3	30.000		
	Super	Rai 3 Molise	TV	DVB-S2	2/3	30.000		Italian
	Super	RAI	package	DVB-S2	2/3	30.000		
	Super	Rai 3 Basilicata	TV	DVB-S2	2/3	30.000		Italian
	Super	RAI	package	DVB-S2	2/3	30.000		
	Super	Rai 3 Puglia	TV	DVB-S2	2/3	30.000		Italian
	Super	RAI	package	DVB-S2	2/3	30.000		
	Super	Rai 3 Calabria	TV	DVB-S2	2/3	30.000		Italian
	Super	RAI	package	DVB-S2	2/3	30.000		
	Super	Rai 3 Sicilia	TV	DVB-S2	2/3	30.000		Italian
11.679	V Super	Fransat	package	DVB-S2	3/4	29.950	Viaccess 4.0	
	Super	France 3	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	BeIn Sports Max 6	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French
	Super	BeIn Sports Max 7	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Super	BeIn Sports Max 8	TV	DVB-S2	3/4		29.950	Viaccess 4.0	French
	Super	BeIn Sports Max 9	TV	DVB-S2	3/4		29.950	Viaccess 4.0	French
	Super	BeIn Sports Max 10	TV	DVB-S2	3/4		29.950	Viaccess 4.0	French
	Super	France 3 Franche-Comté	TV	DVB-S2	3/4		29.950	Viaccess 4.0	French
	Super	France 3 Basse-Normandie	TV	DVB-S2	3/4		29.950	Viaccess 4.0	French
	Super	France 3 Bourgogne	TV	DVB-S2	3/4		29.950	Viaccess 4.0	French
	Super	France 3 Centre-Val de Loire	TV	DVB-S2	3/4		29.950	Viaccess 4.0	French
	Super	France 3 Paris Ile-de-France	TV	DVB-S2	3/4		29.950	Viaccess 4.0	French
	Super	France 3 Haute-Normandie	TV	DVB-S2	3/4		29.950	Viaccess 4.0	French
12.522	V Super	Fransat	package	DVB-S2	2/3		29.950	Viaccess 4.0	
	Super	SFR Sport 1	TV	DVB-S2	2/3		29.950	Viaccess 4.0	French
	Super	SFR Sport 2	TV	DVB-S2	2/3		29.950	Viaccess 4.0	French
	Super	Altice Studio	TV	DVB-S2	2/3		29.950	Viaccess 4.0	French
	Super	My Cuisine	TV	DVB-S2	2/3		29.950	Viaccess 4.0	French
	Super	Discovery Channel France	TV	DVB-S2	2/3	Y	29.950	Viaccess 4.0	French
	Super	Discovery Science France	TV	DVB-S2	2/3	Y	29.950	Viaccess 4.0	French,English
	Super	Investigation Discovery France	TV	DVB-S2	2/3		29.950	Viaccess 4.0	French,English
	Super	SFR Sport 3	TV	DVB-S2	2/3		29.950	Viaccess 4.0	French
12.564	V Super	Fransat	package	DVB-S2	2/3		29.950		
	Super	BeIn Sports 1	TV	DVB-S2	2/3		29.950	Viaccess 4.0	French
	Super	BeIn Sports 2	TV	DVB-S2	2/3		29.950	Viaccess 4.0	French
	Super	Vosges TV	TV	DVB-S2	2/3		29.950		French
	Super	KTO	TV	DVB-S2	2/3		29.950		French
	Super	Mont Blanc Live TV	TV	DVB-S2	2/3		29.950		French
	Super	BeIn Sports 3	TV	DVB-S2	2/3		29.950	Viaccess 4.0	French
	Super	Berbère TV	TV	DVB-S2	2/3		29.950		French
	Super	Mélody	TV	DVB-S2	2/3		29.950	Viaccess 4.0	French
	Super	France Bleu 107.1	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Alsace	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Armorique	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Auxerre	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Azur	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Normandie Calvados - Orne	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Béarn	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Belfort-Montbéliard	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Berry	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Besançon	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Bourgogne	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Breizh Izel	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Champagne-Ardenne	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Cotentin	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Creuse	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Drôme-Ardèche	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu RCFM	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Gard Lozère	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Gascogne	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Gironde	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Normandie Seine-Maritime - Eure	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Hérault	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Isère	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu La Rochelle	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Limousin	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Loire Océan	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Lorraine Nord	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Maine	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Mayenne	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Nord	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Orléans	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Pays Basque	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Pays d'Auvergne	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Pays de Savoie	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Périgord	radio	DVB-S2	2/3		29.950		French
	Super	France Bleu Picardie	radio	DVB-S2	2/3		29.950		French

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Super	France Bleu Poitou	radio	DVB-S2	2/3	29.950		French
	Super	France Bleu Provence	radio	DVB-S2	2/3	29.950		French
	Super	France Bleu Roussillon	radio	DVB-S2	2/3	29.950		French
	Super	France Bleu Saint-Étienne Loire	radio	DVB-S2	2/3	29.950		French
	Super	France Bleu Sud Lorraine	radio	DVB-S2	2/3	29.950		French
	Super	France Bleu Toulouse	radio	DVB-S2	2/3	29.950		French
	Super	France Bleu Touraine	radio	DVB-S2	2/3	29.950		French
	Super	France Bleu Vaucluse	radio	DVB-S2	2/3	29.950		French
	Super	France Inter	radio	DVB-S2	2/3	29.950		French
	Super	France Culture	radio	DVB-S2	2/3	29.950		French
	Super	France Musique	radio	DVB-S2	2/3	29.950		French
	Super	FIP	radio	DVB-S2	2/3	29.950		French
	Super	France Info	radio	DVB-S2	2/3	29.950		French
	Super	Mouv'	radio	DVB-S2	2/3	29.950		French
	Super	BFM Business Radio	radio	DVB-S2	2/3	29.950		French
	Super	RMC	radio	DVB-S2	2/3	29.950		French
	Super	Nostalgie	radio	DVB-S2	2/3	29.950		French
	Super	NRJ France	radio	DVB-S2	2/3	29.950		French
	Super	Rire & Chansons	radio	DVB-S2	2/3	29.950		French
	Super	Chérie FM	radio	DVB-S2	2/3	29.950		French
	Super	Europe 1	radio	DVB-S2	2/3	29.950		French
	Super	Virgin Radio France	radio	DVB-S2	2/3	29.950		French
	Super	RFM	radio	DVB-S2	2/3	29.950		French
	Super	Africa N° 1 Libreville	radio	DVB-S2	2/3	29.950		French
	Super	Berbère Radio	radio	DVB-S2	2/3	29.950		Berber
	Super	Antinéa Radio	radio	DVB-S2	2/3	29.950		Berber
	Super	RCF National	radio	DVB-S2	2/3	29.950		French
	Super	Metropolys	radio	DVB-S2	2/3	29.950		French
12.585	H Super	Mediaset	package	DVB-S2	2/3	35.000	Nagravision 3	
	Super	Premium Joi	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Premium Stories	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Studio Universal Italia	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Premium Cinema +24	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Premium Crime +24	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Premium Joi +24	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Premium Cinema Emotion	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Premium Calcio 1	TV	DVB-S2	2/3	35.000	Nagravision 3	English,German,Italian
	Super	Premium Cinema Energy +24	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Investigation Discovery Italia	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Mediaset	package	DVB-S2	2/3	35.000	Nagravision 3	
	Super	Premium Sport 2	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Premium Sport	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian,German
	Super	Premium Cinema 2 +24	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Premium Action +24	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Cartoon Network Italia	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
12.606	V Super	Cairo Communication	package	DVB-S2	2/3	35.000		
	Super	La 7	TV	DVB-S2	2/3	35.000		Italian
	Super	La 7	TV	DVB-S2	2/3	35.000		Italian
	Super	Mediaset	package	DVB-S2	2/3	35.000	Nagravision 3	
	Super	Canale 5	TV	DVB-S2	2/3	35.000		Italian
	Super	R101 TV	TV	DVB-S2	2/3	35.000		Italian
	Super	Italia 1	TV	DVB-S2	2/3	35.000		Italian
	Super	Premium Crime	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Premium Action	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	R101	radio	DVB-S2	2/3	35.000		Italian
	Super	Radio 105	radio	DVB-S2	2/3	35.000		Italian
	Super	Virgin Radio Italia	radio	DVB-S2	2/3	35.000		Italian
12.627	H Super	Mediaset	package	DVB-S2	2/3	35.000	Nagravision 3	
	Super	Premium Cinema Comedy	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Eurosport 1 Italia	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Eurosport 2 Italia	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Premium Sport 2	TV	DVB-S2	2/3	35.000	Nagravision 3	German,Italian
	Super	Premium Sport	TV	DVB-S2	2/3	35.000	Nagravision 3	German,Italian
	Super	Dfree	package	DVB-S2	2/3	35.000	Nagravision 3	



Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Super	Premium Cinema	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Premium Cinema 2	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Premium Cinema Energy	TV	DVB-S2	2/3	35.000	Nagravision 3	Italian
	Super	Sportitalia	TV	DVB-S2	2/3	35.000		Italian
	Super	Zelig	TV	DVB-S2	2/3	35.000		Italian
	Super	Padre Pio TV	TV	DVB-S2	2/3	35.000		Italian
	Super	Radio Zeta Radiovisione	TV	DVB-S2	2/3	35.000		Italian
12.648	V Super	unknown	package	DVB-S2	8/9	29.500		
	Super	L'Équipe	TV	DVB-S2	8/9	29.500		French
	Super	Chérie 25	TV	DVB-S2	8/9	29.500		French
	Super	Numéro 23	TV	DVB-S2	8/9	29.500		French
	Super	unknown	package	DVB-S2	8/9	29.500		
	Super	C8	TV	DVB-S2	8/9	29.500		French
	Super	BFM TV	TV	DVB-S2	8/9	29.500		French
	Super	C News	TV	DVB-S2	8/9	29.500		French
	Super	C Star	TV	DVB-S2	8/9	29.500		French
	Super	Gulli	TV	DVB-S2	8/9	29.500		French
	Super	unknown	package	DVB-S2	8/9	29.500	Nagravision 3	
	Super	Canal + France	TV	DVB-S2	8/9	29.500	Nagravision 3	French
	Super	Canal + Cinéma France	TV	DVB-S2	8/9	29.500	Nagravision 3	French
	Super	Canal + Sport France	TV	DVB-S2	8/9	29.500	Nagravision 3	French
	Super	Planète +	TV	DVB-S2	8/9	29.500	Nagravision 3	French
	Super	LCI	TV	DVB-S2	8/9	29.500		French
	Super	Paris Première	TV	DVB-S2	8/9	29.500		French
12.669	H Super	Mediaset	package	DVB-S2	2/3	35.000		
	Super	Canale 5	TV	DVB-S2	2/3	35.000		Italian
	Super	Italia 1	TV	DVB-S2	2/3	35.000		Italian
	Super	La 5	TV	DVB-S2	2/3	35.000		Italian
	Super	TGCom 24	TV	DVB-S2	2/3	35.000		Italian
	Super	Iris	TV	DVB-S2	2/3	35.000		Italian
	Super	Mediaset	package	DVB-S2	2/3	35.000		
	Super	Boing Italia	TV	DVB-S2	2/3	35.000		Italian
	Super	Cartoonito Italia	TV	DVB-S2	2/3	35.000		Italian
	Super	Retecapri	TV	DVB-S2	2/3	35.000		Italian
	Super	Food Network Italia	TV	DVB-S2	2/3	35.000		Italian
	Super	QVC Italia	TV	DVB-S2	2/3	35.000		Italian
	Super	Top Crime	TV	DVB-S2	2/3	35.000		Italian
	Super	Mediaset Italia 2	TV	DVB-S2	2/3	35.000		Italian
	Super	Mediaset Extra	TV	DVB-S2	2/3	35.000		Italian
12.690	V Super	Fransat	package	DVB-S2	3/4	29.950		
	Super	France Bleu 107.1	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Alsace	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Armorique	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Auxerre	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Azur	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Normandie Calvados - Orne	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Béarn	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Belfort-Montbéliard	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Berry	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Besançon	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Bourgogne	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Breizh Izel	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Champagne-Ardenne	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Cotentin	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Creuse	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Drôme-Ardèche	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu RCFM	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Gard Lozère	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Gascogne	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Gironde	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Normandie Seine-Maritime - Eure	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Hérault	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Isère	radio	DVB-S2	3/4	29.950		French

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Super	France Bleu La Rochelle	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Limousin	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Loire Océan	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Lorraine Nord	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Maine	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Mayenne	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Nord	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Orléans	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Pays Basque	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Pays d'Auvergne	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Pays de Savoie	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Périgord	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Picardie	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Poitou	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Provence	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Roussillon	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Saint-Étienne Loire	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Sud Lorraine	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Toulouse	radio	DVB-S2	3/4	29.950		French
	Super	Radio Espérance	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Touraine	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu Vaucluse	radio	DVB-S2	3/4	29.950		French
	Super	RCF Pays de l'Ain	radio	DVB-S2	3/4	29.950		French
	Super	FIP	radio	DVB-S2	3/4	29.950		French
	Super	RCF Ardèche	radio	DVB-S2	3/4	29.950		French
	Super	France Bleu	radio	DVB-S2	3/4	29.950		French
	Super	RCF Pays d'Aude	radio	DVB-S2	3/4	29.950		French
	Super	Berbère Radio	radio	DVB-S2	3/4	29.950		Berber
	Super	RCF en Berry	radio	DVB-S2	3/4	29.950		French
	Super	RCF Corrèze	radio	DVB-S2	3/4	29.950		French
	Super	RCF Drôme	radio	DVB-S2	3/4	29.950		French
	Super	RCF Loir-et-Cher	radio	DVB-S2	3/4	29.950		French
	Super	RCF Savoie	radio	DVB-S2	3/4	29.950		French
	Super	RCF National	radio	DVB-S2	3/4	29.950		French
	Super	RCF Lyon	radio	DVB-S2	3/4	29.950		French
	Super	RCF Haute-Loire	radio	DVB-S2	3/4	29.950		French
	Super	RCF Vaucluse	radio	DVB-S2	3/4	29.950		French
	Super	RCF en Bourgogne	radio	DVB-S2	3/4	29.950		French
	Super	RCF Touraine	radio	DVB-S2	3/4	29.950		French
	Super	RCF Reims-Ardenne	radio	DVB-S2	3/4	29.950		French
	Super	RCF Haute-Normandie	radio	DVB-S2	3/4	29.950		French
	Super	RCF Haute-Savoie	radio	DVB-S2	3/4	29.950		French
	Super	RCF Allier	radio	DVB-S2	3/4	29.950		French
	Super	RCF Bordeaux	radio	DVB-S2	3/4	29.950		French
	Super	RCF Alpes-Provence	radio	DVB-S2	3/4	29.950		French
	Super	RCF Besançon	radio	DVB-S2	3/4	29.950		French
	Super	RCF Aube Haute-Marne	radio	DVB-S2	3/4	29.950		French
	Super	RCF Poitou	radio	DVB-S2	3/4	29.950		French
12.711	H Wide	Cairo Communication	package	DVB-S2	3/4	35.500		
	Wide	La 7	TV	DVB-S2	3/4	35.500		Italian
	Wide	La 7 d	TV	DVB-S2	3/4	35.500		Italian
	Wide	La 7	TV	DVB-S2	3/4	35.500		Italian
12.732	V Super	SFR Sport 4K	TV	DVB-S2	3/4	29.950	Viaccess 4.0	French

### EUTELSAT 3B

3.667	R Global	Clouds TV	TV	DVB-S2	5/6	1.547		English
	Global	Clouds FM	radio	DVB-S2	5/6	1.547		English
	Global	Choice FM	radio	DVB-S2	5/6	1.547		Swahili
3.698	R Global	IMPD TV Worldwide	TV	DVB-S2	3/4	2.140		Portuguese
3.717	L Global	RTB TV	TV	DVB-S2	5/6	1.917		French
3.729	L Global	RTB TV	TV	DVB-S2	3/5	16.833		French
	Global	ImpacTV	TV	DVB-S2	3/5	16.833		French
	Global	RTB Zenit	TV	DVB-S2	3/5	16.833		French
	Global	Burkina Info TV	TV	DVB-S2	3/5	16.833		French
	Global	El-Bethel TV	TV	DVB-S2	3/5	16.833		French

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Global	SMTV	TV	DVB-S2	3/5	16.833		
	Global	TV Maria	TV	DVB-S2	3/5	16.833		French
	Global	CVK	TV	DVB-S2	3/5	16.833		French
	Global	Canal 3	TV	DVB-S2	3/5	16.833		French
	Global	TVZ Africa	TV	DVB-S2	3/5	16.833		French
	Global	BF1	TV	DVB-S2	3/5	16.833		French
	Global	3 TV	TV	DVB-S2	3/5	16.833		French
	Global	Omega TV	TV	DVB-S2	3/5	16.833		French
	Global	Savane TV	TV	DVB-S2	3/5	16.833		French
	Global	LCA	TV	DVB-S2	3/5	16.833		
3.740	L Global	ENN	TV	DVB-S	3/4	2.222		Amharic
3.779	L Global	Rede Internacional de TV	TV	DVB-S2	5/6	3.200		Portuguese
3.795	L Global	Q TV	TV	DVB-S2	5/6	1.570		English
	Global	Q FM	radio	DVB-S2	5/6	1.570		English
	Global	Q FM One	radio	DVB-S2	5/6	1.570		English
	Global	Q FM Two	radio	DVB-S2	5/6	1.570		English
4.031	L Global	Power TV	TV	DVB-S	7/8	1.100		
4.050	L Global	TVGE	package	DVB-S2	2/3	5.500		
	Global	TVGE	TV	DVB-S2	2/3	5.500		Spanish
	Global	TVGE Internacional	TV	DVB-S2	2/3	5.500		Spanish
4.081	L Global	unknown	package	DVB-S2	2/3	44.490	Creation	
	Global	TVGE	TV	DVB-S2	2/3	44.490		Spanish
	Global	TVGE Internacional	TV	DVB-S2	2/3	44.490		Spanish
	Global	Asonga TV	TV	DVB-S2	2/3	44.490		Spanish
	Global	Afrique Média	TV	DVB-S2	2/3	44.490		French
	Global	Africa 24	TV	DVB-S2	2/3	44.490		French
	Global	EuroNews Español	TV	DVB-S2	2/3	44.490		Spanish
	Global	Canal 24 Horas	TV	DVB-S2	2/3	44.490		Spanish
	Global	TVE Internacional Europa	TV	DVB-S2	2/3	44.490		Spanish
	Global	CGTN Español	TV	DVB-S2	2/3	44.490		Spanish
	Global	RT Español	TV	DVB-S2	2/3	44.490		Spanish
	Global	NTN 24 Internacional	TV	DVB-S2	2/3	44.490		Spanish
	Global	Antena 3 Internacional	TV	DVB-S2	2/3	44.490		Spanish
	Global	Atreseries	TV	DVB-S2	2/3	44.490		Spanish
	Global	Telesur	TV	DVB-S2	2/3	44.490		Spanish
	Global	Cubavisión Internacional	TV	DVB-S2	2/3	44.490		Spanish
	Global	Telemedellín	TV	DVB-S2	2/3	44.490		Spanish
	Global	Destinos TV	TV	DVB-S2	2/3	44.490		Spanish
	Global	Fashion Television Africa	TV	DVB-S2	2/3	44.490		English
	Global	Maya TV	TV	DVB-S2	2/3	44.490		Spanish
	Global	Trendy Channel	TV	DVB-S2	2/3	44.490		Spanish
	Global	Encuentro Internacional	TV	DVB-S2	2/3	44.490		Spanish
	Global	Az Clic	TV	DVB-S2	2/3	44.490		Spanish
	Global	Az Mundo	TV	DVB-S2	2/3	44.490		Spanish
	Global	Azteca Internacional	TV	DVB-S2	2/3	44.490		Spanish
	Global	Az Corazón	TV	DVB-S2	2/3	44.490		Spanish
	Global	RCN Telenovelas	TV	DVB-S2	2/3	44.490		Spanish
	Global	Tlnovelas América	TV	DVB-S2	2/3	44.490		Spanish
	Global	De Película	TV	DVB-S2	2/3	44.490		Spanish
	Global	TeleHit	TV	DVB-S2	2/3	44.490		Spanish
	Global	Zoom	TV	DVB-S2	2/3	44.490		Spanish
	Global	Las Estrellas Latinoamérica	TV	DVB-S2	2/3	44.490		Spanish
	Global	Mi Gente TV	TV	DVB-S2	2/3	44.490		Spanish
	Global	Cantinazo TV	TV	DVB-S2	2/3	44.490		Spanish
	Global	Teleantioquia	TV	DVB-S2	2/3	44.490		Spanish
	Global	Telepacífico	TV	DVB-S2	2/3	44.490		Spanish
	Global	Canal Antiestrés	TV	DVB-S2	2/3	44.490		Spanish
	Global	RMS	TV	DVB-S2	2/3	44.490		Spanish
	Global	Rumba TV	TV	DVB-S2	2/3	44.490		Spanish
	Global	Fox Sports Africa	TV	DVB-S2	2/3	44.490		English
	Global	Real Madrid TV Español	TV	DVB-S2	2/3	44.490		Spanish
	Global	Fox Sports 2 Africa	TV	DVB-S2	2/3	44.490		English
	Global	CGTN Documentary	TV	DVB-S2	2/3	44.490		English
	Global	CCTV 4 Europe	TV	DVB-S2	2/3	44.490		Chinese

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Global	CGTN	TV	DVB-S2	2/3	44.490		English
	Global	Aljazeera English	TV	DVB-S2	2/3	44.490		English
11.050	V Steerable	Zim Digital	package	DVB-S2	?	17.054		
	Steerable	Zim Digital Sports	TV	DVB-S2	?	17.054		English
	Steerable	Zim Digital Sports	TV	DVB-S2	?	17.054		English
	Steerable	Zim Docs	TV	DVB-S2	?	17.054		English
	Steerable	Zim Docs	TV	DVB-S2	?	17.054		English
	Steerable	Zim Digital Entertainment	TV	DVB-S2	?	17.054		English
	Steerable	Zim Digital Entertainment	TV	DVB-S2	?	17.054		English
	Steerable	Power FM	radio	DVB-S2	?	17.054		English
11.087	H Steerable	Zim Digital	package	DVB-S2	?	17.054		
	Steerable	ZBC TV	TV	DVB-S2	?	17.054		English
	Steerable	ZBC TV	TV	DVB-S2	?	17.054		English
	Steerable	Zim Series	TV	DVB-S2	?	17.054		English
	Steerable	Zim Series	TV	DVB-S2	?	17.054		English
	Steerable	Radio Zimbabwe	radio	DVB-S2	?	17.054		English
11.455	H Europe	Libya Panorama Channel	TV	DVB-S2	3/4	1.516		Arabic
11.457	H Europe	Waad 101.1 FM	TV	DVB-S	5/6	1.146		
11.459	V Europe	Alrased	TV	DVB-S2	5/6	2.220		Arabic
11.476	H Europe	Alikhbaria Syria	TV	DVB-S	3/4	2.600		Arabic
11.481	H Steerable	unknown	package	DVB-S	?	45.000		
	Steerable	Gabon TV	TV	DVB-S	?	45.000		French
	Steerable	Télé Africa	TV	DVB-S	?	45.000		French
	Steerable	TV 5 Monde Afrique	TV	DVB-S	?	45.000		French
	Steerable	France 24 Français	TV	DVB-S	?	45.000		French
	Steerable	Kanal 7	TV	DVB-S	?	45.000		French
	Steerable	Gabon 24	TV	DVB-S	?	45.000		French
	Steerable	MTA 1	TV	DVB-S	?	45.000		
	Steerable	Voxafrica Afrique	TV	DVB-S	?	45.000		
	Steerable	Africa 24	TV	DVB-S	?	45.000		French
	Steerable	Stad'Afrique	TV	DVB-S	?	45.000		French
	Steerable	Afrique Média	TV	DVB-S	?	45.000		French
	Steerable	Renaissance TV	TV	DVB-S	?	45.000		French
	Steerable	Africa N° 1 Paris	radio	DVB-S	?	45.000		French
11.483	H Europe	Alrased promo	TV	DVB-S2	3/4	2.220		Arabic
11.485	H Europe	Almawqef TV	TV	DVB-S2	3/4	1.477		Arabic
11.488	H Europe	Asia News TV	TV	DVB-S2	3/4	1.860		Arabic
11.493	H Europe	Libya Alrasmia Channel	TV	DVB-S	3/4	2.220		Arabic
11.495	H Europe	Aden TV	TV	DVB-S	3/4	1.510		Arabic
11.496	V Europe	IRIB	package	DVB-S2	3/4	9.720		
	Europe	Hispan TV	TV	DVB-S2	3/4	9.720		Spanish
	Europe	IFilm English	TV	DVB-S2	3/4	9.720		Farsi,English
	Europe	Alalam News Channel	TV	DVB-S2	3/4	9.720		Arabic
	Europe	Press TV	TV	DVB-S2	3/4	9.720		English
	Europe	IFilm Arabic	TV	DVB-S2	3/4	9.720		Farsi,Arabic
	Europe	IRIB World Service German Radio	radio	DVB-S2	3/4	9.720		German
	Europe	IRIB World Service Radio 1	radio	DVB-S2	3/4	9.720		
	Europe	IRIB World Service Radio 2	radio	DVB-S2	3/4	9.720		
	Europe	IRIB World Service Radio 3	radio	DVB-S2	3/4	9.720		
	Europe	IRIB World Service Radio 4	radio	DVB-S2	3/4	9.720		
	Europe	IRIB World Service Radio 5	radio	DVB-S2	3/4	9.720		
	Europe	IRIB World Service Radio 6	radio	DVB-S2	3/4	9.720		
11.507	V Europe	Sama TV	TV	DVB-S2	3/4	1.830		Arabic
11.545	V Europe	Diwan TV	TV	DVB-S2	5/6	1.667		Arabic
11.606	V Europe	LuaLua TV	TV	DVB-S2	3/4	1.480		Arabic
11.608	V Europe	Al-Masar Al-Oula Satellite Channel	TV	DVB-S2	3/4	1.480		Arabic
11.610	V Europe	Al Taleaa TV	TV	DVB-S2	8/9	1.496		Arabic
11.612	V Europe	Asia News TV promo	TV	DVB-S2	3/4	1.852		Arabic
11.642	H Europe	Assirat TV	TV	DVB-S2	3/4	1.111		Arabic
11.645	H Europe	Alahad TV	TV	DVB-S2	5/6	2.220		Arabic
11.669	V Europe	IBN	TV	DVB-S2	3/4	1.500		Arabic
11.671	V Europe	Baeynat Satellite Channel	TV	DVB-S2	3/4	1.500		Arabic
11.673	V Europe	An Najaf Al Ashraf	TV	DVB-S	2/3	1.850		Arabic
11.676	V Europe	unknown	package	DVB-S2	5/6	2.850		

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Europe	IRT	TV	DVB-S2	5/6	2.850		Russian
	Europe	Central Asia TV	TV	DVB-S2	5/6	2.850		Russian
11.697	V Europe	Thaqalayn TV	TV	DVB-S2	2/3	1.500		Arabic
12.522	H Europe	unknown	package	DVB-S2	5/6	2.597		
	Europe	Karbala Satellite Channel	TV	DVB-S2	5/6	2.597		Arabic
	Europe	Alquran	TV	DVB-S2	5/6	2.597		Arabic
12.526	H Europe	2M	package	DVB-S2	3/4	4.444	BISS	
	Europe	2M National	TV	DVB-S2	3/4	4.444	BISS	Arabic
	Europe	2M Monde	TV	DVB-S2	3/4	4.444		Arabic
	Europe	2M Monde	TV	DVB-S2	3/4	4.444	BISS	Arabic
	Europe	Radio 2M	radio	DVB-S2	3/4	4.444		
12.531	H Europe	Elhiwar Etounsi TV	TV	DVB-S2	5/6	2.115		Arabic
12.540	H Europe	Al Eshraq TV	TV	DVB-S2	3/4	1.600		Arabic
12.551	V Europe	Al-Naeem TV	TV	DVB-S2	5/6	1.500		Arabic
	Europe	Radio Alamal FM	radio	DVB-S2	5/6	1.500		Arabic
12.574	V Europe	Aljamiya Satellite Channel	TV	DVB-S2	3/4	1.447		Arabic
12.576	V Europe	Nessma	TV	DVB-S2	2/3	1.515		Arabic
12.702	H Europe	Digea	package	DVB-S2	3/5	13.960	BISS	
	Europe	Alpha TV	TV	DVB-S2	3/5	Y 13.960	BISS	Greek
	Europe	Ant1	TV	DVB-S2	3/5	Y 13.960	BISS	Greek
	Europe	Art TV	TV	DVB-S2	3/5	13.960	BISS	Greek
	Europe	Epsilon TV	TV	DVB-S2	3/5	13.960	BISS	Greek
12.714	V Europe	Alhujja Satellite Channel	TV	DVB-S2	5/6	1.115		Arabic
12.720	H Europe	Digea	package	DVB-S2	3/5	13.960	BISS	
	Europe	Makedonia TV	TV	DVB-S2	3/5	Y 13.960	BISS	Greek
	Europe	Mega TV	TV	DVB-S2	3/5	Y 13.960	BISS	Greek
	Europe	SKAİ Tileorasi	TV	DVB-S2	3/5	13.960	BISS	Greek
	Europe	Star Channel	TV	DVB-S2	3/5	Y 13.960	BISS	Greek
12.734	V Europe	ERT	package	DVB-S2	3/5	16.750	BISS	
	Europe	ERT 1	TV	DVB-S2	3/5	16.750	BISS	Greek
	Europe	ERT 2	TV	DVB-S2	3/5	16.750	BISS	Greek
	Europe	Vouli Tileorasi	TV	DVB-S2	3/5	16.750		Greek
	Europe	ERT 1	TV	DVB-S2	3/5	16.750	BISS	Greek
	Europe	ERT 3	TV	DVB-S2	3/5	16.750		Greek
	Europe	Proto Programma	radio	DVB-S2	3/5	16.750		Greek
	Europe	Kosmos	radio	DVB-S2	3/5	16.750		Greek
	Europe	Trito Programma	radio	DVB-S2	3/5	16.750		Greek
	Europe	Deftero Programma	radio	DVB-S2	3/5	16.750		Greek
	Europe	ERA Spor	radio	DVB-S2	3/5	16.750		Greek
	Europe	I Foni tis Elladas	radio	DVB-S2	3/5	16.750		
12.737	H Europe	Zadruqa TV	TV	DVB-S	3/4	2.930	BISS	Serbian

## EUTELSAT 7A

10.721	V Europe B	OpenSky	package	DVB-S	3/4	27.500		
	Europe B	BBC World Service English Europe	radio	DVB-S	3/4	27.500		English
	Europe B	BBC World Service English News	radio	DVB-S	3/4	27.500		English
	Europe B	BBC World Service Arabic	radio	DVB-S	3/4	27.500		Arabic
	Europe B	BBC World Service Afghanistan	radio	DVB-S	3/4	27.500		
	Europe B	OpenSky	interactiv e	DVB-S	3/4	27.500	Creation	
10.762	V Europe B	Digiturk	package	DVB-S	3/4	30.000		
	Europe B	TRT Avaz	TV	DVB-S	3/4	30.000		Turkish
	Europe B	TRT Okul	TV	DVB-S	3/4	30.000		Turkish
	Europe B	TRT Arapça	TV	DVB-S	3/4	30.000		Arabic, Turkish
	Europe B	TRT Belgesel	TV	DVB-S	3/4	Y 30.000		Turkish
	Europe B	TRT Türk	TV	DVB-S	3/4	30.000		Turkish
	Europe B	TRT Kurdî	TV	DVB-S	3/4	30.000		Kurdish
	Europe B	TRT Spor	TV	DVB-S	3/4	30.000		Turkish
	Europe B	TBMM TV	TV	DVB-S	3/4	30.000		Turkish
	Europe B	TRT Haber	TV	DVB-S	3/4	Y 30.000		Turkish
	Europe B	TRT Diyanet	TV	DVB-S	3/4	30.000		Turkish
	Europe B	TRT Müzik	TV	DVB-S	3/4	30.000		Turkish
	Europe B	TRT Çocuk	TV	DVB-S	3/4	30.000		Turkish
	Europe B	TRT Spor	TV	DVB-S	3/4	30.000		Turkish
10.804	H Europe B	Digiturk	package	DVB-S2	5/6	30.000	Irdeto 2	

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Europe B	MTV Live HD	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Europe B	Eurosport 1	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish,English
	Europe B	Eurosport 1 International	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish,English
	Europe B	The History Channel Turkey	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Eurosport 2	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish,English
	Europe B	Sports TV	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Series Sci-Fi	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Sports Haber	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Kanal 7	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Nickelodeon HD	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
10.845	H Europe B	Digiturk	package	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	BeIn Movies Family	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Nat Geo Wild Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	TRT Belgesel	TV	DVB-S2	5/6	30.000		Turkish,English
	Europe B	A Haber	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Discovery Channel Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish,English
	Europe B	Beyaz TV	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	S Sport	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Iz	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	NTV Spor	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
10.887	H Europe B	Digiturk	package	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Digiturk	package	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	National Geographic Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish,English
	Europe B	BeIn Series Drama	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Sports 1 Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Sports 3 Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Fox Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Series Vice	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Kanal D	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Gurme	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Movies Stars	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	TRT World	TV	DVB-S2	5/6	30.000		English
	Europe B	BeIn Movies Turk	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Star TV	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	ATV Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
10.928	H Europe B	Discovery Science Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Movies Festival	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Nat Geo People	TV	DVB-S2	5/6	30.000	Irdeto 2/Videoguard	Turkish
	Europe B	BeIn Series Comedy	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	FB TV	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Teve 2	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Home & Entertainment	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Power Türk TV	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Movies Comedy	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Sports Max 2 Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	TV 8	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Movies Action	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
11.192	H Africa	MBC	package	DVB-S	3/4	3.210	Cryptoworks/Irdeto 2	
	Africa	MBC 1	TV	DVB-S	3/4	3.210	Cryptoworks/Irdeto 2	French
	Africa	MBC 2	TV	DVB-S	3/4	3.210	Cryptoworks/Irdeto 2	French
	Africa	Kool FM	radio	DVB-S	3/4	3.210	Cryptoworks/Irdeto 2	
11.221	H Europe A	Eutelsat	package	DVB-S	3/4	27.500		
	Europe A	Kalemeh TV	TV	DVB-S	3/4	27.500		Farsi
	Europe A	TFM	TV	DVB-S	3/4	27.500		French
	Europe A	Iran International	TV	DVB-S	3/4	27.500		Farsi
	Europe A	Manoto	TV	DVB-S	3/4	27.500		Farsi
	Europe A	RTS 1	TV	DVB-S	3/4	27.500		French
	Europe A	Pars TV	TV	DVB-S	3/4	27.500		Farsi
	Europe A	Erfan Halgheh TV	TV	DVB-S	3/4	27.500		
	Europe A	TPA Internacional	TV	DVB-S	3/4	27.500		Portuguese
	Europe A	Iranefarda TV	TV	DVB-S	3/4	27.500		Farsi
	Europe A	Payame Aramesh TV	TV	DVB-S	3/4	27.500		Farsi
	Europe A	Classic	radio	DVB-S	3/4	27.500		
	Europe A	Mix	radio	DVB-S	3/4	27.500		

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Europe A	I.D.	radio	DVB-S	3/4	27.500		
	Europe A	Cocktail	radio	DVB-S	3/4	27.500		
	Europe A	Soft Pop	radio	DVB-S	3/4	27.500		
	Europe A	RFM	radio	DVB-S	3/4	27.500		French
	Europe A	Rádio Luanda	radio	DVB-S	3/4	27.500		Portuguese
	Europe A	Canal A	radio	DVB-S	3/4	27.500		Portuguese
	Europe A	Radio Sénégal International	radio	DVB-S	3/4	27.500		French
	Europe A	La Radio Plus	radio	DVB-S	3/4	27.500		French
11.471	H Europe B	BeIn Movies Turk	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	National Geographic Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	English,Turkish
	Europe B	Nat Geo Wild Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish,English
	Europe B	Discovery Channel Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish,English
	Europe B	Sports TV	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	The History Channel Turkey	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	MTV Europe	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Europe B	Beyaz TV	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Bloomberg HT	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Eurosport 1	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish,English
	Europe B	Nat Geo People	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Nickelodeon Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish,English
	Europe B	Love Songs	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	In Love	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	90s Hits	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	80s Hits	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Party	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Concerts	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	America's Classics	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Classical Music	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Rock	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Energetic	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Classic Rock	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Nu Jazz	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Jazz	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Blues	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Reggae	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Latin	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Oldies but Goldies	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Morning Coffee	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Chill Out	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Hip Hop R&B	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Easy Listening	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Relaxation	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	International	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Dreamy	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Melancholic	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Smooth Jazz	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Happy	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Slow Türk	radio	DVB-S2	5/6	30.000		Turkish
	Europe B	Metro FM	radio	DVB-S2	5/6	30.000		Turkish
	Europe B	TRT Radyo 3	radio	DVB-S2	5/6	30.000		Turkish
	Europe B	Süper FM	radio	DVB-S2	5/6	30.000		Turkish
	Europe B	Show Radyo	radio	DVB-S2	5/6	30.000		Turkish
	Europe B	Alem FM	radio	DVB-S2	5/6	30.000		Turkish
	Europe B	Radyo Viva	radio	DVB-S2	5/6	30.000		Turkish
	Europe B	JoyTurk	radio	DVB-S2	5/6	30.000		Turkish
	Europe B	TRT Nagme	radio	DVB-S2	5/6	30.000		Turkish
	Europe B	TRT Türkü	radio	DVB-S2	5/6	30.000		Turkish
	Europe B	TRT FM	radio	DVB-S2	5/6	30.000		Turkish
	Europe B	5+1 Concerts	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Virgin Radio Türkiye	radio	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Radio Slow Time	radio	DVB-S2	5/6	30.000		Turkish
	Europe B	Baba Radyo	radio	DVB-S2	5/6	30.000		Turkish
	Europe B	Best FM	radio	DVB-S2	5/6	30.000		Turkish
	Europe B	Kral FM	radio	DVB-S2	5/6	30.000		Turkish

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Europe B	Kral Pop Radyo	radio	DVB-S2	5/6		30.000		Turkish
	Europe B	Joy FM	radio	DVB-S2	5/6		30.000		Turkish
	Europe B	Radyo 7	radio	DVB-S2	5/6		30.000		Turkish
	Europe B	Masal Radyo	radio	DVB-S2	5/6		30.000		Turkish
11.492	V Europe B	BeIn Series Vice	TV	DVB-S	3/4		30.000	Irdeto 2	Turkish
	Europe B	EuroStar	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	TGRT Haber	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	TV Net	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	TRT Çocuk	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	A News	TV	DVB-S2	5/6		30.000	Irdeto 2	English
	Europe B	Sunna TV	TV	DVB-S2	5/6		30.000	Irdeto 2	Arabic
	Europe B	Quran TV	TV	DVB-S2	5/6		30.000	Irdeto 2	Arabic
	Europe B	Fox Sports Turkey	TV	DVB-S2	5/6		30.000	Irdeto 2	English
	Europe B	BeIn Box Office 1	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	BeIn Box Office 2	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
11.513	H Europe B	Digiturk 4K	TV	DVB-S2	5/6		29.900	Irdeto 2	Turkish
	Europe B	BeIn Movies Action 2	TV	DVB-S2	5/6		29.900	Irdeto 2	Turkish
	Europe B	Discovery Showcase HD	TV	DVB-S2	5/6		29.900	Irdeto 2	Turkish
11.534	V Europe B	BeIn Series Vice	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	NTV Türkiye	TV	DVB-S	3/4		30.000	Irdeto 2	Turkish
	Europe B	Baby TV Europe	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	BeIn Iz	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	TRT 1	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	Star TV	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	BeIn Sports 1 Türkiye	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	BeIn Gurme	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	Home & Entertainment	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	BeIn Movies Action	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	Idman Azerbaycan	TV	DVB-S2	5/6		30.000	Irdeto 2	Azerbaijan
	Europe B	E! Europe	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish,English
	Europe B	BeIn Sports Haber	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	MTV Hits	TV	DVB-S2	5/6		30.000	Irdeto 2	English
	Europe B	Nick Jr Türkiye	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	BabyFirst TV	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish,English
	Europe B	BeIn Series Sci-Fi	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	BeIn Movies Comedy	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
11.554	H Europe B	BeIn Movies Premiere	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	BeIn Series Sci-Fi	TV	DVB-S	3/4		30.000	Irdeto 2	Turkish
	Europe B	BeIn Movies Premiere 2	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	Teve 2	TV	DVB-S	3/4		30.000	Irdeto 2	Turkish
	Europe B	BeIn Movies Stars	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	BeIn Series Comedy	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	BeIn Sports Max 1 Türkiye	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	Digi Kanal	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	GS TV	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	CNN Türk	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	NTV Türkiye	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	ATV Türkiye	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	A Haber	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	TV 8	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	360	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	Kanal 7	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	A2	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	Flash TV	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	Cartoon Network Türkiye	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	Lifetime Türkiye	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	Disney Channel Türkiye	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
	Europe B	Animal Planet Türkiye	TV	DVB-S2	5/6		30.000	Irdeto 2	Turkish
11.575	V Europe B	Show TV	TV	DVB-S	3/4	Y	30.000	Irdeto 2	Turkish
	Europe B	Kanal D	TV	DVB-S	3/4	Y	30.000	Irdeto 2	Turkish
	Europe B	Fox Türkiye	TV	DVB-S	3/4		30.000	Irdeto 2	Turkish
	Europe B	S Sport	TV	DVB-S	3/4		30.000	Irdeto 2	Turkish
	Europe B	Disney XD Türkiye	TV	DVB-S	3/4		30.000	Irdeto 2	Turkish,English
	Europe B	Bloomberg TV Europe	TV	DVB-S	3/4		30.000	Irdeto 2	English



Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Europe B	Halk TV	TV	DVB-S	3/4	30.000		Turkish
11.596	H Europe B	E! Europe	TV	DVB-S	3/4	30.000	Irdeto 2	Turkish,English
	Europe B	Rai 1	TV	DVB-S2	5/6	30.000	Irdeto 2	Italian
	Europe B	BBC World News Europe	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Europe B	BeIn Sports Max 2 Türkiye	TV	DVB-S	3/4	30.000	Irdeto 2	Turkish
	Europe B	RTR Planeta	TV	DVB-S2	5/6	30.000	Irdeto 2	Russian
	Europe B	EuroNews Türkçe	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Aljazeera English	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Europe B	TV 5 Monde Europe	TV	DVB-S2	5/6	30.000	Irdeto 2	French
	Europe B	Pro Sieben Schweiz	TV	DVB-S2	5/6	30.000	Irdeto 2	German
	Europe B	France 24 English	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Europe B	CNN International Europe	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Europe B	Eurosport 2	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish,English
	Europe B	BJK TV	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Mezzo	TV	DVB-S2	5/6	30.000	Irdeto 2	French
	Europe B	VH1 Europe	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Europe B	Extreme Sports Channel	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Europe B	BBC Entertainment Europe	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Europe B	Minika Go	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish,English
	Europe B	Euro D	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Fashion TV Europe	TV	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	Planet Mutfak	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
11.637	H Europe B	Digiturk	package	DVB-S2	5/6	30.000	Irdeto 2	
	Europe B	BeIn Sports 4 Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Show TV	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	TRT 1	TV	DVB-S2	5/6	30.000		Turkish
	Europe B	A Spor	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Sports 2 Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	TRT Spor	TV	DVB-S2	5/6	30.000		Turkish
	Europe B	TRT Haber	TV	DVB-S2	5/6	30.000		Turkish
11.678	H Europe B	BeIn Sports 2 Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Flash TV	TV	DVB-S	3/4	30.000	Irdeto 2	Turkish
	Europe B	Kanal 7	TV	DVB-S	3/4	30.000	Irdeto 2	Turkish
	Europe B	BeIn Sports 3 Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Sports 4 Türkiye	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Movies Action 2	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Series Drama	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Movies Family	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BeIn Movies Festival	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Habertürk	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	24 TV	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	Ülke TV	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	TV 8.5	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	FB TV	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	NTV Spor	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	BS TV	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	A Spor	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
	Europe B	TJK TV	TV	DVB-S2	5/6	30.000		Turkish
	Europe B	Disney Junior Türkiye & Polska	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish,English
	Europe B	Teve 2	TV	DVB-S2	5/6	30.000	Irdeto 2	Turkish
12.728	H Africa	Free2View	package	DVB-S	5/6	30.000		
	Africa	RTS 1	TV	DVB-S	5/6	30.000		French
	Africa	ORTC TV	TV	DVB-S	5/6	30.000		French
	Africa	TPA Internacional	TV	DVB-S	5/6	30.000		Portuguese
	Africa	ORTC Radio	radio	DVB-S	5/6	30.000		French
	Africa	Radio Sénégal International	radio	DVB-S	5/6	30.000		French
	Africa	Canal A	radio	DVB-S	5/6	30.000		Portuguese
	Africa	Rádio Luanda	radio	DVB-S	5/6	30.000		Portuguese
	Africa	Radio Vaovao Mahaso	radio	DVB-S	5/6	30.000		
21.565	H Europe C	2S TV	TV	DVB-S	7/8	1.571		French
21.567	H Europe C	QTV Gambia	TV	DVB-S2	2/3	1.100		English
21.568	H Europe C	Bantamba TV	TV	DVB-S2	2/3	1.100		English
21.571	H Europe C	TPA Internacional	TV	DVB-S	2/3	2.441		Portuguese
	Europe C	Rádio Luanda	radio	DVB-S	2/3	2.441		Portuguese

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Europe C	Canal A	radio	DVB-S	2/3	2.441		Portuguese

## EUTELSAT 7B

10.721	H Europe B	IVG	package	DVB-S	3/4	22.000		
	Europe B	BBC Persian	TV	DVB-S	3/4	22.000		Farsi
	Africa	Kwesé	package	DVB-S2	2/3	29.985		
	Europe B	Angel TV	TV	DVB-S	3/4	22.000		Arabic
	Africa	Kwesé Info	TV	DVB-S2	2/3	29.985		English
	Europe B	TBN Nejat TV	TV	DVB-S	3/4	22.000		Farsi
	Africa	Kwesé Stories	TV	DVB-S2	2/3	29.985		English
	Europe B	Tasvir Iran TV	TV	DVB-S	3/4	22.000		Farsi
	Africa	Kwesé Movies 1	TV	DVB-S2	2/3	29.985		English
	Europe B	Manoto	TV	DVB-S	3/4	22.000		Farsi
	Europe B	Alhawza Alilmiyya TV	TV	DVB-S	3/4	22.000		Arabic
	Europe B	Imam Hussein TV 1	TV	DVB-S	3/4	22.000		Farsi
	Africa	Kwesé Movies 2	TV	DVB-S2	2/3	29.985		English
	Europe B	Start FM	radio	DVB-S	3/4	22.000		Arabic
	Africa	Kwesé Movies 3	TV	DVB-S2	2/3	29.985		English
	Europe B	Syria Radio Network	radio	DVB-S	3/4	22.000		Arabic
	Europe B	TV Azadi	TV	DVB-S	3/4	22.000		
	Africa	Kwesé Know	TV	DVB-S2	2/3	29.985		English
	Africa	Kwesé Inc.	TV	DVB-S2	2/3	29.985		English
	Africa	Kwesé Kids	TV	DVB-S2	2/3	29.985		English
	Europe B	Rangarang TV Network	TV	DVB-S	3/4	22.000		Farsi
	Africa	Kwesé Free Sports	TV	DVB-S2	2/3	29.985		English
	Africa	Kwesé Free Sports Zambia	TV	DVB-S2	2/3	29.985		English
	Africa	Kwesé Free Sports Rwanda	TV	DVB-S2	2/3	29.985		English
	Africa	Kwesé Prime	TV	DVB-S2	2/3	29.985		English
	Africa	Kwesé Sports 1	TV	DVB-S2	2/3	29.985		English
	Africa	Kwesé Sports 2	TV	DVB-S2	2/3	29.985		English
	Africa	ESPN Africa	TV	DVB-S2	2/3	29.985		English
10.762	H Africa	Kwesé	package	DVB-S2	2/3	29.985		
	Africa	TVC News Nigeria	TV	DVB-S2	2/3	29.985		English
	Africa	Africanews	TV	DVB-S2	2/3	29.985		English
	Africa	Aljazeera English	TV	DVB-S2	2/3	29.985		English
	Africa	Rwanda TV	TV	DVB-S2	2/3	29.985		English
	Africa	Passion	TV	DVB-S2	2/3	29.985		English
	Africa	Revolt	TV	DVB-S2	2/3	29.985		English
	Africa	BBC World News Africa	TV	DVB-S2	2/3	29.985		English
	Africa	France 24 English	TV	DVB-S2	2/3	29.985		English
	Africa	NBA TV	TV	DVB-S2	2/3	29.985		English
	Africa	LFC TV	TV	DVB-S2	2/3	29.985		English
	Africa	Dove TV	TV	DVB-S2	2/3	29.985		English
	Africa	ITV Networks	TV	DVB-S2	2/3	29.985		English
	Africa	Flow TV	TV	DVB-S2	2/3	29.985		English
	Africa	EWTN Africa & Asia	TV	DVB-S2	2/3	29.985		English
	Africa	DW English	TV	DVB-S2	2/3	29.985		English
	Africa	CNN International Europe	TV	DVB-S2	2/3	29.985		English
	Africa	Hillsong Channel	TV	DVB-S2	2/3	29.985		English
	Africa	CNBC Africa	TV	DVB-S2	2/3	29.985		English
	Africa	Hip TV	TV	DVB-S2	2/3	29.985		English
	Africa	KTN Home	TV	DVB-S2	2/3	29.985		English
10.845	H Africa	Kwesé	package	DVB-S2	2/3	29.985		
	Africa	JimJam Europe	TV	DVB-S2	2/3	29.985		English
	Africa	AMC Africa	TV	DVB-S2	2/3	29.985		English
	Africa	The Box Africa	TV	DVB-S2	2/3	29.985		English
	Africa	Fashion Television Africa	TV	DVB-S2	2/3	29.985		English
	Africa	Fine Living	TV	DVB-S2	2/3	29.985		English
	Africa	Travel Channel Europe	TV	DVB-S2	2/3	29.985		English
	Africa	Bloomberg TV Africa	TV	DVB-S2	2/3	29.985		English
	Africa	Esports TV	TV	DVB-S2	2/3	29.985		English
	Africa	DreamWorks Channel	TV	DVB-S2	2/3	29.985		English
	Africa	African Movie Channel	TV	DVB-S2	2/3	29.985		English
	Africa	African Movie Channel Series	TV	DVB-S2	2/3	29.985		English
	Africa	CBS Reality South Africa	TV	DVB-S2	2/3	29.985		English

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Africa	Trace Mziki	TV	DVB-S2	2/3	29.985		English
	Africa	Trace Gospel	TV	DVB-S2	2/3	29.985		English
	Africa	Trace Africa	TV	DVB-S2	2/3	29.985		French
	Africa	Discovery Science	TV	DVB-S2	2/3	29.985		English
	Africa	Animal Planet Africa	TV	DVB-S2	2/3	29.985		English
	Africa	Investigation Discovery Xtra	TV	DVB-S2	2/3	29.985		English
	Africa	DTX Rossiya	TV	DVB-S2	2/3	29.985		English
	Africa	Zee Bollywoodies	TV	DVB-S2	2/3	29.985		English
	Africa	Zee Bollywoodova	TV	DVB-S2	2/3	29.985		English
	Africa	Pop Africa	TV	DVB-S2	2/3	29.985		English
	Africa	True Movies South Africa	TV	DVB-S2	2/3	29.985		English
	Africa	Viceland Africa	TV	DVB-S2	2/3	29.985		English
	Africa	Odissea	TV	DVB-S2	2/3	29.985		Portuguese
	Africa	Sky News International	TV	DVB-S2	2/3	29.985		English
	Africa	Cartoon Network Middle East & Africa	TV	DVB-S2	2/3	29.985		English
	Africa	Boomerang EMEA	TV	DVB-S2	2/3	29.985		English
	Africa	Toonami Africa	TV	DVB-S2	2/3	29.985		English
	Africa	WION	TV	DVB-S2	2/3	29.985		English
10.887	H Africa	Eurochannel	TV	DVB-S2	3/4	30.000	Conax	
10.928	H Africa	Muvi TV	package	DVB-S2	3/4	30.000	Conax	
	Africa	Muvi TV	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	Africa Unite TV	TV	DVB-S2	3/4	30.000		English
	Africa	Z TV	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	Muvi Bakadoli	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	Baby TV Europe	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	JimJam Europe	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	Boing Africa	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	Discovery Science Middle East	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	Nat Geo Gold	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	Investigation Discovery Xtra	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	CBS Reality South Africa	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	Pinoy TV	TV	DVB-S2	3/4	30.000	Conax	
	Africa	Muvi Novela	TV	DVB-S2	3/4	30.000	Conax	
	Africa	Emmanuel TV	TV	DVB-S2	3/4	30.000		English
	Africa	Prism Africa	TV	DVB-S2	3/4	30.000		English
	Africa	Hope Channel Zambia	TV	DVB-S2	3/4	30.000		English
	Africa	Fox Sports Africa	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	Fox Sports 2 Africa	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	MBC 2	TV	DVB-S2	3/4	30.000	Conax	Arabic
	Africa	MBC Max	TV	DVB-S2	3/4	30.000	Conax	Arabic
	Africa	MBC Action	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	Muvi Nyimbo	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	BET Africa	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	MBC 4	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	Fox Africa	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	BBC World News Africa	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	Haba TV	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	MBC + Power	TV	DVB-S2	3/4	30.000	Conax	English
	Africa	Komboni Radio 94.9 FM	radio	DVB-S2	3/4	30.000	Conax	English
11.046	H Europe A	EVN TV	TV	DVB-S2	5/6	8.335	BISS	
11.262	H Europe B	unknown	package	DVB-S	5/6	27.500		
	Europe B	Kur'ân Hidayet	TV	DVB-S	5/6	27.500		Turkish
	Europe B	Hadi TV 1	TV	DVB-S	5/6	27.500		
	Europe B	Hadi TV 3	TV	DVB-S	5/6	27.500		
	Europe B	Central Asia TV	TV	DVB-S	5/6	27.500		Russian
	Europe B	Honarmandan TV	TV	DVB-S	5/6	27.500		
	Europe B	Cama 1	TV	DVB-S	5/6	27.500		
	Europe B	Cama 3	TV	DVB-S	5/6	27.500		
	Europe B	Merci TV Network	TV	DVB-S	5/6	27.500		Farsi
	Europe B	4U TV	TV	DVB-S	5/6	27.500		Farsi
	Europe B	Khane Film	TV	DVB-S	5/6	27.500		Farsi
	Europe B	Dua Channel	TV	DVB-S	5/6	27.500		
	Europe B	Beitol Abbas	TV	DVB-S	5/6	27.500		Arabic
	Europe B	Discovery Home & Health Farsi	TV	DVB-S	5/6	27.500		Farsi

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Europe B	Imam Asr TV	TV	DVB-S	5/6	27.500		Arabic
	Europe B	Al-Zahra TV	TV	DVB-S	5/6	27.500		Farsi
	Europe B	NOW	TV	DVB-S	5/6	27.500		English
11.304	H Europe B	unknown	package	DVB-S2	2/3	29.700		
	Europe B	Manoto	TV	DVB-S2	2/3	29.700		Farsi
	Europe B	Extreme Sports	TV	DVB-S2	2/3	29.700		
	Europe B	Earth TV	TV	DVB-S2	2/3	29.700		
	Europe B	National Geographic Farsi	TV	DVB-S2	2/3	29.700		Farsi
	Europe B	Cine Film	TV	DVB-S2	2/3	29.700		Farsi
	Europe B	Cine Series	TV	DVB-S2	2/3	29.700		Farsi
11.324	V Europe B	unknown	package	DVB-S2	2/3	29.700		
	Europe B	IFilm Arabic	TV	DVB-S2	2/3	29.700		Arabic,Farsi
	Europe B	4 Fashion TV	TV	DVB-S2	2/3	29.700		
11.345	H Europe B	Hodhod Arabic TV Europe	TV	DVB-S	5/6	27.500		Arabic
	Europe B	Mava TV	TV	DVB-S	5/6	27.500		
	Europe B	IRT	TV	DVB-S	5/6	27.500		Russian
	Europe B	Iran TV Network	TV	DVB-S	5/6	27.500		Farsi
	Europe B	Earth TV	TV	DVB-S	5/6	27.500		
	Europe B	Manoto	TV	DVB-S	5/6	27.500		Farsi
	Europe B	National Geographic Farsi	TV	DVB-S	5/6	27.500		Farsi
	Europe B	Face 1 Persia	TV	DVB-S	5/6	27.500		Farsi
11.356	H Africa	Azam TV	package	DVB-S2	5/6	45.000	Conax/Nagravision 3	
	Africa	Azam Xtra	TV	DVB-S2	5/6	45.000		Swahili
	Africa	TV Imaan	TV	DVB-S2	5/6	45.000		
	Africa	Azam One	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Sinema Zetu	TV	DVB-S2	5/6	45.000	Nagravision 3	Swahili
	Africa	TBC 1	TV	DVB-S2	5/6	45.000	Nagravision 3	
	Africa	Channel Ten	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Clouds TV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	ZBC TV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	ITV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	EATV 5	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Africa Swahili TV	TV	DVB-S2	5/6	45.000	Nagravision 3	Swahili
	Africa	KBC Channel 1	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Citizen TV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	K24	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	NTV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	UBC TV	TV	DVB-S2	5/6	45.000	Nagravision 3	
	Africa	NTV Uganda	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	NBS TV	TV	DVB-S2	5/6	45.000	Nagravision 3	Swahili
	Africa	BBS TV	TV	DVB-S2	5/6	45.000	Nagravision 3	Swahili
	Africa	Urban TV	TV	DVB-S2	5/6	45.000	Nagravision 3	
	Africa	TV West	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	ABS TV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Delta TV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Salam TV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Viasat Nature Africa	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Viasat History Africa	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Times Now	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	France 24 English	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Colors	TV	DVB-S2	5/6	45.000	Nagravision 3	Hindi
	Africa	Zoom	TV	DVB-S2	5/6	45.000	Nagravision 3	Hindi
	Africa	MTV India	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Clouds FM	radio	DVB-S2	5/6	45.000		English
	Africa	EFM	radio	DVB-S2	5/6	45.000		Swahili
	Africa	Times FM	radio	DVB-S2	5/6	45.000		Swahili
	Africa	TBC FM	radio	DVB-S2	5/6	45.000		Swahili
	Africa	Choice FM	radio	DVB-S2	5/6	45.000		Swahili
	Africa	ABM FM Radio	radio	DVB-S2	5/6	45.000		Swahili
	Africa	Uhuru FM	radio	DVB-S2	5/6	45.000		Swahili
	Africa	Magic FM	radio	DVB-S2	5/6	45.000		English
	Africa	Radio Free Africa	radio	DVB-S2	5/6	45.000		
	Africa	Kiss FM	radio	DVB-S2	5/6	45.000		
	Africa	RFI Afrique	radio	DVB-S2	5/6	45.000		French

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Africa	BBC World Service Swahili	radio	DVB-S2	5/6	45.000		Swahili
	Africa	Monte Carlo Doualiya	radio	DVB-S2	5/6	45.000		Arabic
	Africa	BBC World Service English East Africa	radio	DVB-S2	5/6	45.000		English
11.387	H Europe B	DW-Radio	radio	DVB-S2	5/6	45.000		
	Europe B	unknown	package	DVB-S	5/6	27.500		
	Europe B	Gala 1	TV	DVB-S	5/6	27.500		
	Europe B	Payam-e-Afghan TV	TV	DVB-S	5/6	27.500		Farsi
	Europe B	Persian Star 1	TV	DVB-S	5/6	27.500		Farsi
	Europe B	Cine Film	TV	DVB-S	5/6	27.500		Farsi
	Europe B	Cine Series	TV	DVB-S	5/6	27.500		Farsi
	Europe B	Persian Star 2	TV	DVB-S	5/6	27.500		Farsi
	Europe B	Extreme Sports	TV	DVB-S	5/6	27.500		
11.419	H Africa	Azam TV	package	DVB-S2	5/6	45.000	Nagravision 3	
	Africa	Azam Sports HD	TV	DVB-S2	5/6	45.000	Nagravision 3	English,Swahili
	Africa	Star TV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	TV E	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	TV 1	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Kass TV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Bukedde TV 1	TV	DVB-S2	5/6	45.000	Nagravision 3	
	Africa	Spark TV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Salt TV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Channel 44	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	U Magic One	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Rwanda TV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Clouds TV Rwanda	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	MBC	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Times TV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Zodiak TV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Fox Africa	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Fox Life Africa	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Nina TV English	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Romanza+ Africa	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Landscape HD	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Nat Geo Gold	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	NHK World TV	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Africanews	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Isai Aruvi	TV	DVB-S2	5/6	45.000	Nagravision 3	Tamil
	Africa	Puthiya Thalaimurai	TV	DVB-S2	5/6	45.000	Nagravision 3	Tamil
	Africa	Kalaigmar TV	TV	DVB-S2	5/6	45.000	Nagravision 3	Tamil
	Africa	Asianet Middle East	TV	DVB-S2	5/6	45.000	Nagravision 3	Malayalam
	Africa	Mazhavil Manorama	TV	DVB-S2	5/6	45.000	Nagravision 3	Malayalam
	Africa	Flowers TV	TV	DVB-S2	5/6	45.000	Nagravision 3	Malayalam
	Africa	Mathrubhumi News	TV	DVB-S2	5/6	45.000	Nagravision 3	Malayalam
	Africa	ABN	TV	DVB-S2	5/6	45.000	Nagravision 3	Telugu
	Africa	Sony SAB TV Asia	TV	DVB-S2	5/6	45.000	Nagravision 3	Hindi
	Africa	Rishtey Asia	TV	DVB-S2	5/6	45.000	Nagravision 3	Hindi
	Africa	UTV Movies International	TV	DVB-S2	5/6	45.000	Nagravision 3	Hindi
	Africa	Sony Max South Africa	TV	DVB-S2	5/6	45.000	Nagravision 3	English
	Africa	Sony Max UK	TV	DVB-S2	5/6	45.000	Nagravision 3	Hindi
	Africa	Radio Uhai FM	radio	DVB-S2	5/6	45.000		English
	Africa	107 Salt FM	radio	DVB-S2	5/6	45.000		English
	Africa	Radio West	radio	DVB-S2	5/6	45.000		
	Africa	Capital FM	radio	DVB-S2	5/6	45.000		
	Africa	88.8 CBS FM	radio	DVB-S2	5/6	45.000		
12.530	H Europe A	Satview promo	TV	DVB-S	2/3	1.480		English
12.556	V Europe A	Fox Sports Europe	TV	DVB-S2	5/6	4.035	BISS	English
12.604	H Africa	Azam TV	package	DVB-S2	2/3	30.000		
	Africa	Africa TV 2	TV	DVB-S2	2/3	30.000		Swahili
	Africa	Peace TV English	TV	DVB-S2	2/3	30.000		English
	Africa	Quran TV	TV	DVB-S2	2/3	30.000		Arabic
	Africa	Sunna TV	TV	DVB-S2	2/3	30.000		Arabic
	Africa	IBN TV Africa	TV	DVB-S2	2/3	30.000		English
	Africa	WRM TV	TV	DVB-S2	2/3	30.000		English
	Africa	Emmanuel TV	TV	DVB-S2	2/3	30.000		English

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Africa	My Righteous TV	TV	DVB-S2	2/3	30.000		English
	Africa	Arise & Shine	TV	DVB-S2	2/3	30.000		English
	Africa	Q TV	TV	DVB-S2	2/3	30.000		English
	Africa	Amen TV Sat	TV	DVB-S2	2/3	30.000		English
	Africa	Zongo TV	TV	DVB-S2	2/3	30.000		English
	Africa	Radio Maarifa	radio	DVB-S2	2/3	30.000		English
	Africa	Universal TV	TV	DVB-S2	2/3	30.000	Nagravision 3	Somali
	Africa	Sky FM	radio	DVB-S2	2/3	30.000		English
	Africa	Hot FM	radio	DVB-S2	2/3	30.000		English
	Africa	Starr FM	radio	DVB-S2	2/3	30.000		English
	Africa	Q FM	radio	DVB-S2	2/3	30.000		English
	Africa	Q FM One	radio	DVB-S2	2/3	30.000		English
	Africa	Q FM Two	radio	DVB-S2	2/3	30.000		English
	Africa	Radio Christian Voice	radio	DVB-S2	2/3	30.000		English
12.645	H Africa	Azam TV	package	DVB-S2	2/3	30.000	Conax/Nagravision 3	
	Africa	African Movie Channel	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	
	Africa	MBC 2	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	Arabic
	Africa	MBC Max	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	Arabic
	Africa	MBC Action	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	English
	Africa	The Box Africa	TV	DVB-S2	2/3	30.000	Nagravision 3	English
	Africa	Fox Sports Africa	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	English
	Africa	SFR Sport 2	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	French
	Africa	SFR Sport 5	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	French
	Africa	LFC TV	TV	DVB-S2	2/3	30.000	Nagravision 3	English
	Africa	MUTV	TV	DVB-S2	2/3	30.000	Nagravision 3	English
	Africa	Real Madrid TV English	TV	DVB-S2	2/3	30.000	Nagravision 3	English
	Africa	Fox Sports 2 Africa	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	English
	Africa	Discovery Science Middle East	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	English
	Africa	Investigation Discovery Europe	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	English
	Africa	Fine Living	TV	DVB-S2	2/3	30.000	Nagravision 3	English
	Africa	Outdoor Channel International	TV	DVB-S2	2/3	30.000	Nagravision 3	English
	Africa	Nickelodeon Africa	TV	DVB-S2	2/3	30.000	Nagravision 3	English
	Africa	Fix & Foxi	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	German
	Africa	BabyFirst TV	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	English
	Africa	Boing Africa	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	English
	Africa	MBC + Power	TV	DVB-S2	2/3	30.000	Nagravision 3	English
	Africa	MBC	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	Arabic
	Africa	MBC 4	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	English
	Africa	Wanasah	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	Arabic
	Africa	MBC Drama	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	Arabic
	Africa	Aljazeera Channel	TV	DVB-S2	2/3	30.000	Nagravision 3	Arabic
	Africa	Jeem TV	TV	DVB-S2	2/3	30.000	Nagravision 3	Arabic
	Africa	MBC 3	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	Arabic
	Africa	Star Gold UK	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	Hindi
	Africa	Star Plus UK	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	Hindi
	Africa	Sony Max UK	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	Hindi
	Africa	Zing UK	TV	DVB-S2	2/3	30.000	Conax/Nagravision 3	Hindi
21.749	H Europe C	Muvi TV	package	DVB-S2	2/3	15.000		
	Europe C	Muvi TV	TV	DVB-S2	2/3	15.000		English
	Europe C	Africa Unite TV	TV	DVB-S2	2/3	15.000		English
	Europe C	Muvi Nyimbo	TV	DVB-S2	2/3	15.000		English
	Europe C	Datah	TV	DVB-S2	2/3	15.000		English
	Europe C	Pinoy TV	TV	DVB-S2	2/3	15.000		English
	Europe C	Prism Africa	TV	DVB-S2	2/3	15.000		English
	Europe C	Haba TV	TV	DVB-S2	2/3	15.000		English
	Europe C	Z TV	TV	DVB-S2	2/3	15.000		English
	Europe C	Hope Channel Zambia	TV	DVB-S2	2/3	15.000		English
	Europe C	Muvi Bakadoli	TV	DVB-S2	2/3	15.000		English
	Europe C	Emmanuel TV	TV	DVB-S2	2/3	15.000		English
	Europe C	Muvi Novela	TV	DVB-S2	2/3	15.000		English
	Europe C	Komboni Radio 94.9 FM	radio	DVB-S2	2/3	15.000		English

## EUTELSAT 9B

11.747	H Wide	NPO 1	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	National Geographic Nederland	TV	DVB-S2	3/4		30.000	Conax	Dutch

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	24 Kitchen Nederland	TV	DVB-S2	3/4	30.000	Conax	Dutch
	Wide	Secret Circle	TV	DVB-S2	3/4	30.000	Conax	Dutch
	Wide	Meiden van Holland Hard	TV	DVB-S2	3/4	30.000	Conax	Dutch
	Wide	Passie XXX	TV	DVB-S2	3/4	30.000	Conax	Dutch
	Wide	Penthouse HD 1	TV	DVB-S2	3/4	30.000	Conax	English
	Wide	Penthouse HD 2	TV	DVB-S2	3/4	30.000	Conax	English
11.766	V Wide	AFN Guide	TV	DVB-S	3/4	27.500	PowerVu	English
	Wide	Athavan TV	TV	DVB-S	3/4	27.500		Tamil
	Wide	Hot AC	radio	DVB-S	3/4	27.500	PowerVu	English
	Wide	AFN PowerTalk	radio	DVB-S	3/4	27.500	PowerVu	English
	Wide	AFN The Eagle Europe	radio	DVB-S	3/4	27.500	PowerVu	English
	Wide	Athavan Radio	radio	DVB-S	3/4	27.500		Tamil
11.785	H Wide	Pro Sieben Maxx Deutschland	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	German
	Wide	MTV Germany	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German
	Wide	Channel 21	TV	DVB-S2	2/3	Y 27.500		German
	Wide	Eurosport 1 Germany	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German
	Wide	Nickelodeon Deutschland	TV	DVB-S2	2/3	Y 27.500		German
	Wide	Viva Deutschland	TV	DVB-S2	2/3	Y 27.500		German
	Wide	Comedy Central Deutschland	TV	DVB-S2	2/3	Y 27.500		German
	Wide	HSE 24 Extra	TV	DVB-S2	2/3	Y 27.500		German
	Wide	BBC World News Europe	TV	DVB-S2	2/3	27.500		English
	Wide	Bloomberg TV Europe	TV	DVB-S2	2/3	27.500		English
	Wide	Deutsches Musik Fernsehen	TV	DVB-S2	2/3	Y 27.500		German
	Wide	Servus TV Deutschland	TV	DVB-S2	2/3	Y 27.500		German
	Wide	Deluxe Music	TV	DVB-S2	2/3	27.500		German
11.804	V Wide	American Forces Network	package	DVB-S2	2/3	27.500	PowerVu/Verimatrix	
	Wide	AFN The Eagle Atlantic	radio	DVB-S2	2/3	27.500	PowerVu/Verimatrix	English
	Wide	Sembach Afternoon Radio	radio	DVB-S2	2/3	27.500	PowerVu/Verimatrix	English
11.823	H Wide	Skylogic	package	DVB-S	3/4	27.500	Cryptoguard/Irdeto 2/Xcrypt/BISS	
	Wide	Sisal TV 1	TV	DVB-S	3/4	27.500	Xcrypt	Italian
	Wide	Sisal TV 2	TV	DVB-S	3/4	27.500	Xcrypt	Italian
	Wide	Sisal TV 3	TV	DVB-S	3/4	27.500	Xcrypt	Italian
	Wide	Sisal TV 4	TV	DVB-S	3/4	27.500	Xcrypt	Italian
	Wide	Ros & Ros	radio	DVB-S	3/4	27.500		Italian
	Wide	Ros & Ros Selex	radio	DVB-S	3/4	27.500		Italian
	Wide	Radio Carrefour ipermercati	radio	DVB-S	3/4	27.500		Italian
	Wide	Radio Carrefour market	radio	DVB-S	3/4	27.500		Italian
	Wide	Orbital 101.9 FM	radio	DVB-S	3/4	27.500		Portuguese
	Wide	Radio We	radio	DVB-S	3/4	27.500		Italian
11.843	V Wide	Cosmote TV	package	DVB-S2	3/5	27.500	Videoguard	
	Wide	Stingray IConcerts	TV	DVB-S2	3/5	27.500	Videoguard	
	Wide	Kriti TV	TV	DVB-S2	3/5	27.500	Videoguard	Greek
	Wide	Luxe TV	TV	DVB-S2	3/5	27.500	Videoguard	French
	Wide	C Music TV	TV	DVB-S2	3/5	27.500	Videoguard	English
	Wide	Mad Hits	TV	DVB-S2	3/5	27.500	Videoguard	Greek
	Wide	France 24 Français	TV	DVB-S2	3/5	27.500	Videoguard	French
	Wide	CNBC Europe	TV	DVB-S2	3/5	27.500	Videoguard	English
	Wide	Star Kentrikis Elladas	TV	DVB-S2	3/5	27.500	Videoguard	Greek
	Wide	BBC World News Europe	TV	DVB-S2	3/5	27.500	Videoguard	English
	Wide	Mezzo	TV	DVB-S2	3/5	27.500	Videoguard	French
	Wide	E! Europe	TV	DVB-S2	3/5	27.500	Videoguard	Greek
	Wide	Ginx eSports TV Greece	TV	DVB-S2	3/5	27.500	Videoguard	English
	Wide	MTV Live HD	TV	DVB-S2	3/5	27.500	Videoguard	English
11.861	H Wide	Kabel Eins Deutschland	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	German
	Wide	DMAX Deutschland	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	German
	Wide	Tele 5	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	English
	Wide	Nickelodeon Deutschland	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German,English
	Wide	Sport 1	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	German
	Wide	TLC Germany	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	German
11.881	V Wide	Eutelsat	package	DVB-S2	2/3	27.500	Conax/Irdeto 2/Viaccess 2.6/Viaccess 5.0/Videoguard/BISS	
	Wide	Stingray IConcerts	TV	DVB-S2	2/3	27.500	Conax/Viaccess 2.6/Viaccess 4.0	
	Wide	Rai Italia Africa	TV	DVB-S2	2/3	27.500	Irdeto 2	Italian
	Wide	Power TV	TV	DVB-S2	2/3	27.500		French

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	World Fashion Channel International	TV	DVB-S2	2/3	27.500		English
	Wide	RTI 1	TV	DVB-S2	2/3	27.500		French
	Wide	Eurobet 11	TV	DVB-S2	2/3	27.500	BISS	Italian
	Wide	Eurobet 12	TV	DVB-S2	2/3	27.500	BISS	Italian
	Wide	Radio Côte d'Ivoire	radio	DVB-S2	2/3	27.500		French
	Wide	Eurobet 13	TV	DVB-S2	2/3	27.500	BISS	Italian
	Wide	Eurobet 14	TV	DVB-S2	2/3	27.500	BISS	Italian
	Wide	ORTB TV	TV	DVB-S2	2/3	27.500		French
	Wide	ZooMoo Asia	TV	DVB-S2	2/3	27.500	Viaccess 5.0	
11.900	H Wide	EbS	TV	DVB-S2	2/3	27.500		English,French,German,I talian,Spanish,Greek,Port uguese,Dutch,Danish,Fin nish,Swedish,Czech,Esto nian,Latvian,Lithuanian, Hungarian,Maltese,Polis h,Slovak,Slovenian,Bulg arian,Romanian,Irish,Cro atian
	Wide	EbS+	TV	DVB-S2	2/3	27.500		English,French,German,I talian,Spanish,Greek,Port uguese,Dutch,Danish,Fin nish,Swedish,Czech,Esto nian,Latvian,Lithuanian, Hungarian,Maltese,Polis h,Slovak,Slovenian,Bulg arian,Romanian,Irish,Cro atian
	Wide	TVT International	TV	DVB-S2	2/3	27.500		French
	Wide	RTB TV	TV	DVB-S2	2/3	27.500		French
	Wide	RTB Radio	radio	DVB-S2	2/3	27.500		French
	Wide	Radio Lomé	radio	DVB-S2	2/3	27.500		French
	Wide	Radio Kara	radio	DVB-S2	2/3	27.500		French
11.919	V Wide	MX1	package	DVB-S	3/4	27.500	Cryptoguard/Cryptoworks/Irdeto 2/Viaccess 2.5/Viaccess 2.6/Viaccess 3.0/Viaccess 4.0/BISS	
	Wide	IBC Tamil TV	TV	DVB-S	3/4	27.500		Tamil
	Wide	The Israeli Network	TV	DVB-S	3/4	27.500	Viaccess 2.5/Viaccess 2.6/Viaccess 4.0	Hebrew
	Wide	Holygod TV Europe & Middle East	TV	DVB-S	3/4	27.500		Tamil
	Wide	NLM TV	TV	DVB-S	3/4	27.500		Tamil
	Wide	Star Vijay International	TV	DVB-S	3/4	27.500		Tamil
	Wide	Intralot TV 2	TV	DVB-S	3/4	27.500	Nagravision 3	Greek
	Wide	Monitor Games	TV	DVB-S	3/4	27.500	BISS	Greek
	Wide	Apostolic Oneness Network	TV	DVB-S	3/4	27.500		English
	Wide	Intralot TV 4	TV	DVB-S	3/4	27.500	Nagravision 3	Greek
	Wide	Intralot TV 5	TV	DVB-S	3/4	27.500	Nagravision 3	Greek
	Wide	IBC Tamil Radio	radio	DVB-S	3/4	27.500		Tamil
11.938	H Wide	Globecast	package	DVB-S	3/4	27.500		
	Wide	PTV Global	TV	DVB-S	3/4	27.500		Urdu
	Wide	Jiangsu TV	TV	DVB-S	3/4	27.500		Chinese
	Wide	CGTN Documentary	TV	DVB-S	3/4	27.500		English
	Wide	TV Globo Internacional Europa/África	TV	DVB-S	3/4	27.500	Viaccess 5.0	Portuguese
	Wide	Karusel International	TV	DVB-S	3/4	27.500		Russian
	Wide	RFI Français	radio	DVB-S	3/4	27.500		French
	Wide	RFI Langues Est	radio	DVB-S	3/4	27.500		
	Wide	RFI Langues Diverse	radio	DVB-S	3/4	27.500		
	Wide	RFI Afrique	radio	DVB-S	3/4	27.500		
	Wide	RFI Diverse 7	radio	DVB-S	3/4	27.500		
	Wide	Monte Carlo Doualiya	radio	DVB-S	3/4	27.500		Arabic
11.958	V Wide	MTVA	package	DVB-S2	2/3	27.500		
	Wide	M1	TV	DVB-S2	2/3	Y 27.500		Hungarian
	Wide	M2	TV	DVB-S2	2/3	Y 27.500		Hungarian
	Wide	Duna TV	TV	DVB-S2	2/3	Y 27.500		Hungarian
	Wide	M4 Sport	TV	DVB-S2	2/3	Y 27.500		Hungarian
	Wide	Duna World	TV	DVB-S2	2/3	Y 27.500		Hungarian
	Wide	M5	TV	DVB-S2	2/3	Y 27.500		Hungarian
	Wide	M3	TV	DVB-S2	2/3	Y 27.500	Conax	Hungarian
	Wide	Kossuth Rádió	radio	DVB-S2	2/3	27.500		Hungarian
	Wide	Petőfi Rádió	radio	DVB-S2	2/3	27.500		Hungarian
	Wide	Bartók Rádió	radio	DVB-S2	2/3	27.500		Hungarian



Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	Nemzetiségi Rádió	radio	DVB-S2	2/3	27.500		
	Wide	Parlamenti Rádió	radio	DVB-S2	2/3	27.500		Hungarian
	Wide	Dankó Rádió	radio	DVB-S2	2/3	27.500		Hungarian
	Wide	Duna World Rádió	radio	DVB-S2	2/3	27.500		Hungarian
	Wide	Magyar Katolikus Rádió	radio	DVB-S2	2/3	27.500		Hungarian
	Wide	Kossuth Rádió	radio	DVB-S2	2/3	27.500		Hungarian
	Wide	Petőfi Rádió	radio	DVB-S2	2/3	27.500		Hungarian
	Wide	Bartók Rádió	radio	DVB-S2	2/3	27.500		Hungarian
	Wide	Dankó Rádió	radio	DVB-S2	2/3	27.500		Hungarian
	Wide	Kossuth Rádió	radio	DVB-S2	2/3	27.500		Hungarian
	Wide	Petőfi Rádió	radio	DVB-S2	2/3	27.500		Hungarian
11.977	H Wide	Mediaset Italia	TV	DVB-S2	2/3	27.500	Conax/Videoguard	Italian
	Wide	C Music TV	TV	DVB-S2	2/3	27.500	Conax/Videoguard	
	Wide	ITVN Europe	TV	DVB-S2	2/3	27.500	Conax/Videoguard	Polish
	Wide	Auto Motor und Sport	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German,Bulgarian,Czech ,Hungarian
	Wide	Fuel TV	TV	DVB-S2	2/3	27.500	Conax/Videoguard	English
	Wide	Fix & Foxi	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German,Bulgarian,Roma nian
	Wide	Penthouse HD	TV	DVB-S2	2/3	27.500	Conax/Videoguard	English
	Wide	Blue Hustler Europe	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German
	Wide	Mezzo Live HD	TV	DVB-S2	2/3	27.500	Conax/Videoguard	
	Wide	RTV D	TV	DVB-S2	2/3	27.500	Conax/Videoguard	Russian
	Wide	Nash Kinomir	TV	DVB-S2	2/3	27.500	Conax/Videoguard	Russian
	Wide	Telebom	TV	DVB-S2	2/3	27.500	Conax/Videoguard	Russian
	Wide	Teledom	TV	DVB-S2	2/3	27.500	Conax/Videoguard	Russian
	Wide	Duck TV HD	TV	DVB-S2	2/3	27.500	Conax/Videoguard	English
11.996	V Wide	Globecast	package	DVB-S	3/4	27.500		
	Wide	BBC Entertainment Europe	TV	DVB-S	3/4	27.500	Viaccess 4.0	English
	Wide	Evrofutbol Gonki 2	TV	DVB-S	3/4	27.500	Nagravision 3	Bulgarian
	Wide	Opap TV	TV	DVB-S	3/4	27.500	Nagravision 3	Greek
	Wide	CCTV 4 Europe	TV	DVB-S	3/4	27.500		Chinese
	Wide	CGTN Español	TV	DVB-S	3/4	27.500		Spanish
	Wide	CGTN Russkij	TV	DVB-S	3/4	27.500		Russian
	Wide	CGTN Arabic	TV	DVB-S	3/4	27.500		Arabic
12.015	H Wide	Super RTL Deutschland	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	German
	Wide	Sixx Deutschland	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	German
	Wide	RTL 2 Deutschland	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	German
	Wide	Deluxe Music	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German
	Wide	Viva Deutschland	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German
	Wide	Comedy Central Deutschland	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	German
	Wide	Disney Channel Deutschland	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	German
12.034	V Wide	M6 Suisse	TV	DVB-S2	3/4	27.500		French
	Wide	6ter Suisse	TV	DVB-S2	3/4	27.500		French
	Wide	W9 Suisse	TV	DVB-S2	3/4	27.500		French
	Wide	RTG International	TV	DVB-S2	3/4	27.500		Russian,English,Turkish
	Wide	Phoenix InfoNews Channel	TV	DVB-S2	3/4	27.500		Chinese
	Wide	ORTM	TV	DVB-S2	3/4	27.500		French
	Wide	Disney Channel Middle East	TV	DVB-S2	3/4	27.500	Irdeto 2	Arabic,Greek,English
	Wide	BBC Entertainment Europe	TV	DVB-S2	3/4	27.500	Irdeto 2	English
	Wide	Karusel International	TV	DVB-S2	3/4	27.500		Russian
12.054	H Wide	unknown	package	DVB-S2	2/3	27.500	Viaccess 2.5/Videoguard	
	Wide	ERT 1	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Wide	Vouli Tileorasi	TV	DVB-S2	2/3	27.500		Greek
	Wide	4E	TV	DVB-S2	2/3	27.500		Greek
	Wide	Ant1	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Wide	Channel 9	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Wide	Cosmote Sport 4	TV	DVB-S2	2/3	27.500	Videoguard	Greek,English
	Wide	Nat Geo Wild Europe	TV	DVB-S2	2/3	27.500	Videoguard	English
	Wide	Kosmos	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Wide	Fashion TV Europe	TV	DVB-S2	2/3	27.500	Videoguard	English
	Wide	Ant1 Europe	TV	DVB-S2	2/3	27.500	Viaccess 2.5	Greek
	Wide	Baby TV Europe	TV	DVB-S2	2/3	27.500	Videoguard	Greek,English
	Wide	EuroNews Ellinika	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Wide	Bloomberg TV Europe	TV	DVB-S2	2/3	27.500	Videoguard	English

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Wide	DW English	TV	DVB-S2	2/3		27.500	Videoguard	English
	Wide	Aljazeera English	TV	DVB-S2	2/3		27.500	Videoguard	English
	Wide	Cosmote Sport 7	TV	DVB-S2	2/3		27.500	Videoguard	Greek,English
	Wide	Sundance TV Europe	TV	DVB-S2	2/3		27.500	Videoguard	English
	Wide	MTV Europe	TV	DVB-S2	2/3		27.500	Videoguard	English
12.074	V Wide	Nickelodeon Nederland	TV	DVB-S2	3/4		30.000	Conax	Dutch
	Wide	Discovery Channel Nederland	TV	DVB-S2	3/4		30.000	Conax	Dutch
	Wide	NH TV	TV	DVB-S2	3/4		30.000		Dutch
	Wide	Crime + Investigation Network Nederland	TV	DVB-S2	3/4		30.000	Conax	Dutch
	Wide	Family 7	TV	DVB-S2	3/4		30.000	Conax	Dutch
	Wide	Travelxp HD Europe	TV	DVB-S2	3/4		30.000	Conax	English
12.092	H Wide	Arqiva	package	DVB-S2	3/4		27.500	PowerVu/Viaccess 4.0/Viaccess 5.0/Videoguard	
	Wide	Disney Junior Türkiye & Polska	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0	English,Turkish,Polish,Romanian,Greek,Hungarian
	Wide	Disney Channel Türkiye	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0	Turkish,English
	Wide	NTD TV Europe	TV	DVB-S2	3/4		27.500		Chinese
	Wide	Vivolta	TV	DVB-S2	3/4		27.500	Viaccess 4.0	English
	Wide	El Europe	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0	English,German,French,Polish,Turkish,Czech,Hungarian
	Wide	TV 5 Monde France Belgique Suisse	TV	DVB-S2	3/4	Y	27.500		French
	Wide	Motorsport TV	TV	DVB-S2	3/4		27.500	Viaccess 5.0	French,English,German,Spanish,Greek,Dutch
12.111	V Nordic Baltic	NLO TV	TV	DVB-S2	5/6		27.500		Ukrainian
	Nordic Baltic	Indigo TV	TV	DVB-S2	5/6		27.500		Ukrainian
	Nordic Baltic	TV 1000 East	TV	DVB-S2	5/6		27.500	Betacrypt/Conax	Russian,English
	Nordic Baltic	Star Cinema	TV	DVB-S2	5/6		27.500	Betacrypt/Conax	Russian
	Nordic Baltic	Zee TV Russia	TV	DVB-S2	5/6		27.500	Betacrypt/Conax	Russian
12.130	H Germany Ge	EuroNews Français	TV	DVB-S2	2/3		27.500	Conax/Videoguard	French
	Germany Ge	EuroStar	TV	DVB-S2	2/3		27.500	Conax/Videoguard	Turkish
	Germany Ge	EuroNews English	TV	DVB-S2	2/3		27.500	Conax/Videoguard	English
	Germany Ge	RTR Planeta	TV	DVB-S2	2/3		27.500	Conax/Videoguard	Russian
	Germany Ge	Marco Polo TV	TV	DVB-S2	2/3		27.500	Conax/Videoguard	German
	Germany Ge	Perviy kanal Europa	TV	DVB-S2	2/3		27.500	Conax/Videoguard	Russian
	Germany Ge	Kinowelt TV	TV	DVB-S2	2/3		27.500	Conax/Videoguard	German
	Germany Ge	Bon Gusto	TV	DVB-S2	2/3		27.500	Conax/Videoguard	German
	Germany Ge	Pro Sieben Fun	TV	DVB-S2	2/3		27.500	Conax/Videoguard	German
	Germany Ge	Silverline Movie Channel	TV	DVB-S2	2/3		27.500	Conax/Videoguard	German
	Germany Ge	Sony Channel Deutschland	TV	DVB-S2	2/3		27.500	Conax/Videoguard	German,English
	Germany Ge	Heimatkanal	TV	DVB-S2	2/3		27.500	Conax/Videoguard	German
12.149	V Nordic Baltic	Futbol 1	TV	DVB-S2	5/6		27.500	Betacrypt/Conax	Ukrainian
	Nordic Baltic	Futbol 2	TV	DVB-S2	5/6		27.500	Betacrypt/Conax	Ukrainian
	Nordic Baltic	Pershiy Avtomobilniy	TV	DVB-S2	5/6		27.500	Betacrypt/Conax	Ukrainian
12.169	H Extended Greece	Cosmote TV	package	DVB-S2	2/3		27.500	Videoguard	
	Extended Greece	Ionian TV	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Nea TV	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Action 24	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	EuroNews English	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	BBC Earth Greece	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	Fox Sports Europe	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	Food Network EMEA	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	CBS Reality Europe	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	Viasat Nature East	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	Viasat Explore East	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	Crime + Investigation UK	TV	DVB-S2	2/3		27.500	Videoguard	English

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Extended Greece	Outdoor Channel International	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	Fine Living	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	Nautical Channel	TV	DVB-S2	2/3		27.500	Videoguard	English
12.188	V Wide	Fine Living	TV	DVB-S2	5/6		27.500	Betacrypt/Conax	Russian,English
	Wide	TV XXI	TV	DVB-S2	5/6		27.500	Betacrypt/Conax	Russian,English
	Wide	Dorama	TV	DVB-S2	5/6		27.500	Betacrypt/Conax	Russian
12.207	H Extended Greece	Cosmote TV	package	DVB-S2	2/3		27.500	Videoguard	
	Extended Greece	Motorvision TV	TV	DVB-S2	2/3		27.500	Videoguard	English,French
	Extended Greece	Alert	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Mega TV	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Smile TV	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Alpha TV	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Cosmote Cinema 4	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	VH1 Europe	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	Disney Channel Middle East	TV	DVB-S2	2/3		27.500	Videoguard	Greek,English
	Extended Greece	Cosmote Sport Highlights	TV	DVB-S2	2/3		27.500	Videoguard	Greek,English
	Extended Greece	SKAÍ Tileorasi	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Edge Sport	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	Star Channel	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	National Geographic Ellada	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Viasat History	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	Fox Life Greece	TV	DVB-S2	2/3		27.500	Videoguard	Greek
12.245	H Germany Ge	RTL Deutschland	TV	DVB-S2	2/3	Y	27.500	Conax/Videoguard	German
	Germany Ge	Vox Deutschland	TV	DVB-S2	2/3	Y	27.500	Conax/Videoguard	German
	Germany Ge	Sat. 1 Deutschland	TV	DVB-S2	2/3	Y	27.500	Conax/Videoguard	German
	Germany Ge	Pro Sieben Deutschland	TV	DVB-S2	2/3	Y	27.500	Conax/Videoguard	German
	Germany Ge	N-TV	TV	DVB-S2	2/3	Y	27.500	Conax/Videoguard	German
12.284	H Extended Greece	Cosmote TV	package	DVB-S2	2/3		27.500	Videoguard	
	Extended Greece	Sirina TV	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Extra	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Cosmote Cinema 1	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	SBC TV	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Cosmote Cinema on demand 2	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Cosmote Cinema on demand 3	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Cosmote Cinema on demand 4	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Makedonia TV	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Epsilon TV	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Hustler HD Europe	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	Kontra Channel	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Penthouse HD 1	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	TV 100	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Blue Hustler Europe	TV	DVB-S2	2/3		27.500	Videoguard	English

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Extended Greece	Cosmote Sport 1	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Cosmote History	TV	DVB-S2	2/3	27.500	Videoguard	Greek
12.322	H Germany Ge	Show Turk	TV	DVB-S2	2/3	27.500	Conax/Videoguard	Turkish
	Germany Ge	CNN Türk	TV	DVB-S2	2/3	27.500	Conax/Videoguard	Turkish
	Germany Ge	Kanal 7 Avrupa	TV	DVB-S2	2/3	27.500	Conax/Videoguard	Turkish
	Germany Ge	Euro D	TV	DVB-S2	2/3	27.500	Conax/Videoguard	Turkish
	Germany Ge	TV 8 International	TV	DVB-S2	2/3	27.500	Conax/Videoguard	Turkish
	Germany Ge	Rai 1	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	Italian
	Germany Ge	ATV Avrupa	TV	DVB-S2	2/3	27.500	Conax/Videoguard	Turkish
	Germany Ge	Rai 3	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	Italian
	Germany Ge	TVP Polonia	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	Polish
	Germany Ge	TRT Türk	TV	DVB-S2	2/3	27.500	Conax/Videoguard	Turkish
	Germany Ge	Wetter.com TV	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German
	Germany Ge	Animal Planet Deutschland	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German
	Germany Ge	MTV Live HD	TV	DVB-S2	2/3	27.500	Conax/Videoguard	English
12.341	V Italy	Cairo Communication	package	DVB-S2	5/6	31.400		
	Italy	La 7	TV	DVB-S2	5/6	31.400		Italian
	Italy	La 7 d	TV	DVB-S2	5/6	31.400		Italian
	Italy	La 7	TV	DVB-S2	5/6	31.400		Italian
12.360	H Germany Ge	Nick Jr Deutschland	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German,English
	Germany Ge	Spiegel TV Wissen	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German
	Germany Ge	History Deutschland	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German,English
	Germany Ge	A&E Deutschland	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German,English
	Germany Ge	13th Street Deutschland	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German,English
	Germany Ge	Syfy Deutschland	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German
	Germany Ge	National Geographic Deutschland	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German,English
	Germany Ge	Sport 1	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	German
12.399	H Extended Greece	Cosmote TV	package	DVB-S2	2/3	27.500	Videoguard/BISS	
	Extended Greece	Delta TV	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Cosmote Sport 2	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Epirus TV 1	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Art TV	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Diktyo TV	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Disney Junior Greece	TV	DVB-S2	2/3	27.500	Videoguard	Greek,English
	Extended Greece	Cosmote Sport 3	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Travel Channel Europe	TV	DVB-S2	2/3	27.500	Videoguard	English
	Extended Greece	AB Channel	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Body in Balance Greece	TV	DVB-S2	2/3	27.500	Videoguard	German
	Extended Greece	Mad TV	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Disney XD Hellas	TV	DVB-S2	2/3	27.500	Videoguard	Greek,English
	Extended Greece	France 24 English	TV	DVB-S2	2/3	27.500	Videoguard	English
	Extended Greece	Nickelodeon HD	TV	DVB-S2	2/3	27.500	Videoguard	English
	Extended Greece	Cosmote Cinema 3	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Cosmote Sport 8	TV	DVB-S2	2/3	27.500	Videoguard	Greek,English
	Extended Greece	Best TV	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Corfu TV	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Aigaio TV	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	TRT	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Peiraiki Ekklesia 91.2 FM	radio	DVB-S2	2/3	27.500		Greek

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Extended Greece	Athina 9.84 FM	radio	DVB-S2	2/3	27.500		Greek
12.437	H Germany Ge	Romance TV Deutschland	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German
	Germany Ge	AXN Deutschland	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German,English
	Germany Ge	E! Deutschland	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German,English
	Germany Ge	Sportdigital	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German,English
	Germany Ge	Eurosport 2	TV	DVB-S2	2/3	Y 27.500	Conax/Videoguard	German,English
	Germany Ge	Gute Laune TV	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German
	Germany Ge	Fox Deutschland	TV	DVB-S2	2/3	27.500	Conax/Videoguard	German,English
12.475	H Extended Greece	Cosmote TV	package	DVB-S2	2/3	27.500	Videoguard	
	Extended Greece	ERT 3	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Cosmote Sport 6	TV	DVB-S2	2/3	27.500	Videoguard	Greek,English
	Extended Greece	Village Cinemas	TV	DVB-S2	2/3	27.500	Videoguard	English
	Extended Greece	Fox Greece	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Cosmote Cinema on demand 1	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	ERT HD	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Cosmote Sport 5	TV	DVB-S2	2/3	27.500	Videoguard	Greek,English
	Extended Greece	National Geographic Ellada	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	ERT 2	TV	DVB-S2	2/3	27.500	Videoguard	Greek
	Extended Greece	Cosmote Cinema 2	TV	DVB-S2	2/3	27.500	Videoguard	Greek

## EUTELSAT KA-SAT 9A

20.185	L Ireland	2RN	package	DVB-S2	2/3	25.000		
	Ireland	RTÉ One	TV	DVB-S2	2/3	25.000		English
	Ireland	RTÉ 2	TV	DVB-S2	2/3	25.000		English,Irish
	Ireland	RTÉ News Now	TV	DVB-S2	2/3	25.000		English
	Ireland	TG 4	TV	DVB-S2	2/3	25.000		Irish
	Ireland	RTÉ Jr	TV	DVB-S2	2/3	25.000		English
	Ireland	Oireachtas TV	TV	DVB-S2	2/3	25.000		Irish
	Ireland	RTÉ One +1	TV	DVB-S2	2/3	25.000		English
	Ireland	RTÉ Radio 1	radio	DVB-S2	2/3	25.000		English
	Ireland	RTÉ Radio 2 FM	radio	DVB-S2	2/3	25.000		English
	Ireland	RTÉ Lyric FM	radio	DVB-S2	2/3	25.000		English
	Ireland	RTÉ Raidió na Gaeltachta	radio	DVB-S2	2/3	25.000		Irish
	Ireland	RTÉ Radio 1 Extra	radio	DVB-S2	2/3	25.000		English
	Ireland	RTÉ Pulse	radio	DVB-S2	2/3	25.000		English
	Ireland	RTÉ 2XM	radio	DVB-S2	2/3	25.000		English
	Ireland	RTÉ Jr Radio	radio	DVB-S2	2/3	25.000		English
	Ireland	RTÉ Chill	radio	DVB-S2	2/3	25.000		English
	Ireland	RTÉ Gold	radio	DVB-S2	2/3	25.000		English

## EUTELSAT 10A

3.649	L C	Chinese mux	package	DVB-S2	2/3	20.160	Unitend	
	C	Henan TV Satellite	TV	DVB-S2	2/3	20.160	Unitend	Chinese
	C	Jiangsu TV	TV	DVB-S2	2/3	20.160	Unitend	Chinese
	C	Phoenix Chinese Channel	TV	DVB-S2	2/3	20.160	Unitend	Chinese
	C	Beijing TV	TV	DVB-S2	2/3	20.160	Unitend	Chinese
	C	Anhui Satellite TV	TV	DVB-S2	2/3	20.160	Unitend	Chinese
	C	Zhejiang TV	TV	DVB-S2	2/3	20.160	Unitend	Chinese
	C	CCTV 2	TV	DVB-S2	2/3	20.160	Unitend	Chinese
	C	Liaoning TV	TV	DVB-S2	2/3	20.160	Unitend	Chinese
	C	CCTV 4 Europe	TV	DVB-S2	2/3	20.160	Unitend	Chinese
	C	CCTV 1	TV	DVB-S2	2/3	20.160	Unitend	Chinese
	C	CCTV 13	TV	DVB-S2	2/3	20.160	Unitend	Chinese
	C	CCTV 3	TV	DVB-S2	2/3	20.160	Unitend	Chinese
	C	CCTV 5	TV	DVB-S2	2/3	20.160	Unitend	Chinese
3.656	R C	RTGA World	TV	DVB-S2	5/6	3.716		French
3.664	R C	unknown	package	DVB-S2	3/4	3.080		
	C	NW Sport 1	TV	DVB-S2	3/4	3.080		

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	C	NW Magazine	TV	DVB-S2	3/4	3.080		French
	C	NW Info	TV	DVB-S2	3/4	3.080		French
	C	NW Cinema	TV	DVB-S2	3/4	3.080		
3.677	L C	CIS TV	TV	DVB-S2	3/5	1.083		French
	C	CIS TV	TV	DVB-S2	3/5	1.083		French
3.692	R C	RTNB TV	TV	DVB-S2	5/6	1.818		
3.701	L C	Rwanda TV	TV	DVB-S2	2/3	1.667		English
3.709	L C	TCV Internacional	TV	DVB-S2	5/6	1.002		Portuguese
3.722	L C	Ouest TV	TV	DVB-S2	3/4	1.124		French
3.726	R C	StarTimes TV	package	DVB-S2	5/6	10.650		
	C	NTV	TV	DVB-S2	5/6	10.650		English
	C	K24	TV	DVB-S2	5/6	10.650		English
	C	Clouds TV	TV	DVB-S2	5/6	10.650		English
	C	KBC Channel 1	TV	DVB-S2	5/6	10.650		English
	C	God TV Africa	TV	DVB-S2	5/6	10.650		English
	C	Border TV	TV	DVB-S2	5/6	10.650		English
	C	Gikuyu TV	TV	DVB-S2	5/6	10.650		
	C	Triple P	TV	DVB-S2	5/6	10.650		English
	C	3 Stones TV	TV	DVB-S2	5/6	10.650		Swahili
	C	Times TV	TV	DVB-S2	5/6	10.650		English
	C	Citizen TV	TV	DVB-S2	5/6	10.650		English
	C	MBCI TV	TV	DVB-S2	5/6	10.650		Arabic
3.736	R C	Estars TV	TV	DVB-S2	5/6	7.307		English
	C	Wap TV	TV	DVB-S2	5/6	7.307		English
	C	Channels TV	TV	DVB-S2	5/6	7.307		English
	C	Nigezie	TV	DVB-S2	5/6	7.307		English
	C	TVC News Nigeria	TV	DVB-S2	5/6	7.307		English
	C	Isi Mbido	TV	DVB-S2	5/6	7.307	Conax	
	C	Ulaft TV	TV	DVB-S2	5/6	7.307	Conax	
3.748	R C	NTA Knowledge	TV	DVB-S2	5/6	9.082	Conax	English
	C	NTA Igbo	TV	DVB-S2	5/6	9.082	Conax	
3.759	R C	Emmanuel TV	TV	DVB-S2	5/6	7.610		English
	C	BBC World News Africa	TV	DVB-S2	5/6	7.610	Conax	English
	C	TV Sibuka	TV	DVB-S2	5/6	7.610	Conax	
	C	Channel Ten	TV	DVB-S2	5/6	7.610	Conax	English
	C	E TV Africa	TV	DVB-S2	5/6	7.610	Conax	English
	C	Kwesé Free Sports	TV	DVB-S2	5/6	7.610	Conax	English
	C	ST Rise	TV	DVB-S2	5/6	7.610	Conax	
	C	TBC 2	TV	DVB-S2	5/6	7.610	Conax	
3.768	R C	UBC TV	TV	DVB-S2	5/6	8.475		
	C	Salt TV	TV	DVB-S2	5/6	8.475		English
	C	ABS TV	TV	DVB-S2	5/6	8.475		English
	C	Impact FM	radio	DVB-S2	5/6	8.475		
3.835	R C	LoveWorld Plus	TV	DVB-S2	4/5	1.000		English
4.039	R C	TVT International	package	DVB-S2	3/4	2.222		
	C	TVT International	TV	DVB-S2	3/4	2.222		French
	C	TVT International	TV	DVB-S2	3/4	2.222		French
10.731	V Wide	Fe TV	TV	DVB-S2	5/6	2.025		
10.747	V Wide	TLN Network	TV	DVB-S2	9/10	4.000		Portuguese
10.756	V Wide	TV Zimbo	TV	DVB-S	7/8	2.480		Portuguese
10.836	V Wide	Palanca TV	TV	DVB-S2	3/4	3.000		Portuguese
10.840	V Wide	ORTC TV	TV	DVB-S	1/2	3.255		French
	Wide	ORTC Radio	radio	DVB-S	1/2	3.255		French
10.956	H Wide	NourSat	TV	DVB-S2	2/3	2.400		Arabic
10.962	H Wide	Alforat FM	radio	DVB-S2	3/4	2.880		Arabic
11.113	V Wide	Al Rasheed TV	TV	DVB-S2	3/4	2.500	BISS	Arabic
	Wide	Al Rasheed FM	radio	DVB-S2	3/4	2.500	BISS	Arabic
11.221	V Wide	BFBS	package	DVB-S2	5/6	30.000	Irdeto 2	
	Wide	BBC One	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	BBC Two	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	ITV	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	BFBS Extra	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	BT Sport 1	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	BFBS Sport	TV	DVB-S2	5/6	30.000	Irdeto 2	English

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	Sky News UK	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	Forces TV	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	BBC One Delay	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	BBC Two Delay	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	ITV Delay	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	BFBS Extra Delay	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	Sky Cinema Action & Adventure	TV	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	Nepali TV	TV	DVB-S2	5/6	30.000	Irdeto 2	Nepali
	Wide	BFBS Radio Afghanistan	radio	DVB-S2	5/6	30.000		English
	Wide	BFBS Radio Cyprus	radio	DVB-S2	5/6	30.000		English
	Wide	BFBS Radio UK Bases	radio	DVB-S2	5/6	30.000		English
	Wide	BFBS Radio 2	radio	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	BFBS Radio Germany	radio	DVB-S2	5/6	30.000		English
	Wide	BFBS Radio Unwind	radio	DVB-S2	5/6	30.000		English
	Wide	BFBS Radio Northern Ireland	radio	DVB-S2	5/6	30.000		English
	Wide	BFBS Radio Ops	radio	DVB-S2	5/6	30.000		English
	Wide	BFBS Radio Beats	radio	DVB-S2	5/6	30.000		English
	Wide	BFBS Gurkha Radio	radio	DVB-S2	5/6	30.000		
	Wide	BFBS Radio Dirt	radio	DVB-S2	5/6	30.000		English
	Wide	BFBS Radio Rewind	radio	DVB-S2	5/6	30.000		English
	Wide	BFBS Radio Shamishran	radio	DVB-S2	5/6	30.000		
	Wide	BBC World Service English	radio	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	Fun Kids	radio	DVB-S2	5/6	30.000		English
	Wide	TalkSport	radio	DVB-S2	5/6	30.000	Irdeto 2	English
	Wide	BFBS Gurkha Radio	radio	DVB-S2	5/6	30.000		
11.346	H Wide	LaLiga TV	TV	DVB-S	3/4	27.500	Viaccess 5.0	English,Spanish
11.419	H Wide	Aljazeera	package	DVB-S2	5/6	11.814	BISS	
	Wide	Baraem	TV	DVB-S2	5/6	11.814	BISS	Arabic
	Wide	Jeem TV	TV	DVB-S2	5/6	11.814	BISS	English,Arabic
	Wide	Jeem TV Europe	TV	DVB-S2	5/6	11.814		Arabic
	Wide	Baraem 2	TV	DVB-S2	5/6	11.814		Arabic
11.483	V Wide	MUTV	TV	DVB-S2	5/6	4.000	BISS	English
11.568	V Wide	Ennahar TV	TV	DVB-S2	2/3	2.500		Arabic
11.572	V Wide	NBN	TV	DVB-S2	3/4	1.667		Arabic
11.624	V Wide	Kurdistan TV	TV	DVB-S2	4/5	3.800		Kurdish
11.630	V Wide	Zagros TV	TV	DVB-S2	4/5	3.800		Kurdish
	Wide	Z Radio	radio	DVB-S2	4/5	3.800		Kurdish
11.638	H Wide	AMC	package	DVB-S	5/6	5.300	Irdeto 2/BISS	
	Wide	AMC Russia	TV	DVB-S	5/6	5.300	Irdeto 2	English,Russian,Ukrainian
	Wide	AMC Middle East	TV	DVB-S	5/6	5.300	BISS	English
11.639	V Europe	Waar TV	TV	DVB-S2	2/3	3.650		Kurdish
	Europe	Waar Radio	radio	DVB-S2	2/3	3.650		Kurdish
11.645	H Wide	Kurdistan 24	TV	DVB-S2	8/9	4.800		Kurdish
	Wide	Kurdistan 24 Radio	radio	DVB-S2	8/9	4.800		Kurdish
11.663	H Africa	Afro Music Angola	TV	DVB-S	3/4	3.830		Portuguese
11.676	H Africa	TV Zimbo	TV	DVB-S	7/8	11.153		Portuguese
11.681	H Wide	LBC	package	DVB-S2	5/6	3.200		
	Wide	LBC Europe	TV	DVB-S2	5/6	3.200		Arabic
	Wide	LDC	TV	DVB-S2	5/6	3.200		Arabic
	Wide	LDC America & Australia	TV	DVB-S2	5/6	3.200		Arabic
	Wide	Radio Liban Libre	radio	DVB-S2	5/6	3.200		Arabic
12.509	H Wide	Beladi Satellite TV	TV	DVB-S	5/6	2.667		Arabic
12.520	H Wide	Nabaa TV	TV	DVB-S2	5/6	1.100		Arabic
12.637	V Wide	APTN	package	DVB-S2	2/3	18.400	Betacrypt	
	Wide	APTN Global Video Wire	TV	DVB-S2	2/3	18.400	Betacrypt	English
	Wide	APTN Direct	TV	DVB-S2	2/3	18.400	Betacrypt	English

## EUTELSAT HOT BIRD 13B

10.815	H Wide	MX1	package	DVB-S	5/6	27.500		
	Wide	NetViet	TV	DVB-S	5/6	27.500		Vietnamese
	Wide	Vozrozhdeniye	TV	DVB-S	5/6	27.500		Russian
	Wide	Ukraina 24	TV	DVB-S	5/6	27.500		
	Wide	BNV TV Europa	TV	DVB-S	5/6	27.500		Dutch
	Wide	CNL Evropa	TV	DVB-S	5/6	27.500		Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	Fashion Television Europe	TV	DVB-S	5/6	27.500		English
	Wide	Russian Musicbox	TV	DVB-S	5/6	27.500		Russian
	Wide	TBN Rossiya	TV	DVB-S	5/6	27.500		Russian
	Wide	Thai TV Global Network	TV	DVB-S	5/6	27.500		Thai
	Wide	TV 4	TV	DVB-S	5/6	27.500		Vietnamese
	Wide	TVK	TV	DVB-S	5/6	27.500		
	Wide	Horn Cable TV	TV	DVB-S	5/6	27.500		Somali
	Wide	The Word Network	TV	DVB-S	5/6	27.500		English
	Wide	Radio Tell	radio	DVB-S	5/6	27.500		German
	Wide	The Overcomer	radio	DVB-S	5/6	27.500		English
10.949	V Wide	Globecast	package	DVB-S	3/4	27.500		
	Wide	NourSat	TV	DVB-S	3/4	27.500		Arabic
	Wide	Abalfadhl Alabbas TV	TV	DVB-S	3/4	27.500		
	Wide	Imam Hussein TV 1	TV	DVB-S	3/4	27.500		Farsi
	Wide	Global Buddhist Network	TV	DVB-S	3/4	27.500		Thai
	Wide	EWTN UK & Ireland	TV	DVB-S	3/4	27.500		English
	Wide	CNBC Europe	TV	DVB-S	3/4	27.500		English
	Wide	Al-Fady TV	TV	DVB-S	3/4	27.500		Arabic
	Wide	Imam Hussein TV 3	TV	DVB-S	3/4	27.500		English
	Wide	Sat 7 Pars	TV	DVB-S	3/4	27.500		Farsi
	Wide	Velayat TV Network	TV	DVB-S	3/4	27.500		Farsi
	Wide	WRN Russkij	radio	DVB-S	3/4	27.500		Russian
	Wide	WRN English Europe	radio	DVB-S	3/4	27.500		English
	Wide	Radio Jahani	radio	DVB-S	3/4	27.500		Farsi
	Wide	Sawt Al Alam	radio	DVB-S	3/4	27.500		Arabic
	Wide	RFI Persian	radio	DVB-S	3/4	27.500		French
10.971	H Wide	SRG SSR	package	DVB-S2	2/3	29.700	Viaccess 2.6/Viaccess 4.0/Viaccess 5.0	
	Wide	SRF 1	TV	DVB-S2	2/3	Y 29.700	Viaccess 2.6/Viaccess 4.0/Viaccess 5.0	German
	Wide	SRF Zwei	TV	DVB-S2	2/3	Y 29.700	Viaccess 2.6/Viaccess 4.0/Viaccess 5.0	German
	Wide	RTS Un	TV	DVB-S2	2/3	Y 29.700	Viaccess 2.6/Viaccess 4.0/Viaccess 5.0	French
	Wide	RTS Deux	TV	DVB-S2	2/3	Y 29.700	Viaccess 2.6/Viaccess 4.0/Viaccess 5.0	French
11.054	H Wide	Arti TV	TV	DVB-S	5/6	27.500		Turkish
	Wide	MC EU	TV	DVB-S	5/6	27.500		Turkish
	Wide	DW English	TV	DVB-S	5/6	27.500		English
	Wide	Juwelo	TV	DVB-S	5/6	27.500		German
	Wide	Gala 1	TV	DVB-S	5/6	27.500		
	Wide	Media Broadcast Satellite promo	TV	DVB-S	5/6	27.500		
	Wide	Persian Star 2	TV	DVB-S	5/6	27.500		Farsi
	Wide	Alalam News Channel	TV	DVB-S	5/6	27.500		Arabic
	Wide	TM TV	TV	DVB-S	5/6	27.500		Farsi
	Wide	Payam-e-Afghan TV	TV	DVB-S	5/6	27.500		Farsi
	Wide	Suryoyo Sat	TV	DVB-S	5/6	27.500		Syriac
	Wide	Persian Star 1	TV	DVB-S	5/6	27.500		Farsi
	Wide	DW-Radio FM 2	radio	DVB-S	5/6	27.500		
	Wide	DW-Radio 8	radio	DVB-S	5/6	27.500		
	Wide	DW-Radio 9	radio	DVB-S	5/6	27.500		
	Wide	DW-Radio FM 1	radio	DVB-S	5/6	27.500		
11.200	V Wide	Eutelsat	package	DVB-S	5/6	27.500		
	Wide	MTA 3	TV	DVB-S	5/6	27.500		Arabic
	Wide	Mohabat TV	TV	DVB-S	5/6	27.500		Farsi
	Wide	KICC TV	TV	DVB-S	5/6	27.500		English
	Wide	EBC	TV	DVB-S	5/6	27.500		Amharic
	Wide	Angel TV Europe	TV	DVB-S	5/6	27.500		Tamil
	Wide	Umut TV	TV	DVB-S	5/6	27.500		Turkish
	Wide	Omid TV	TV	DVB-S	5/6	27.500		Farsi
	Wide	GünAz TV	TV	DVB-S	5/6	27.500		Azerbaijan
	Wide	SexySat Arabia	TV	DVB-S	5/6	27.500		Arabic
	Wide	Voisfarsi	radio	DVB-S	5/6	27.500		Farsi
	Wide	Radio Mojdeh	radio	DVB-S	5/6	27.500		Farsi
	Wide	Radio Novaya Zhizn	radio	DVB-S	5/6	27.500		Russian
	Wide	Payam-e-Doost	radio	DVB-S	5/6	27.500		Farsi



Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
11.471	Wide	Radio Sedaye Mardom	radio	DVB-S	5/6	27.500		Farsi
	Wide	Radio Tondar	radio	DVB-S	5/6	27.500		Farsi
	Wide	RVS Italy	radio	DVB-S	5/6	27.500		Italian
	V Wide	unknown	package	DVB-S	5/6	27.500		
	Wide	Kaleme TV	TV	DVB-S	5/6	27.500		Farsi
	Wide	Kalsan TV	TV	DVB-S	5/6	27.500		Somali
	Wide	ESTV	TV	DVB-S	5/6	27.500		
	Wide	Medya Haber	TV	DVB-S	5/6	27.500		Turkish
	Wide	Rangarang TV Network	TV	DVB-S	5/6	27.500		Farsi
	Wide	Somali Cable	TV	DVB-S	5/6	27.500		Somali
	Wide	Somali National TV	TV	DVB-S	5/6	27.500		Somali
11.541	Wide	Telefishinka Caalamiga	TV	DVB-S	5/6	27.500		Somali
	Wide	Telefishinka Caalamiga	TV	DVB-S	5/6	27.500		Somali
	Wide	TV Azadi	TV	DVB-S	5/6	27.500		
	V Wide	M-Three satcom	package	DVB-S	5/6	22.000		
	Wide	QVC Italia	TV	DVB-S	5/6	22.000		Italian
	Wide	RTL 102.5 RadioVisione	TV	DVB-S	5/6	22.000		Italian
	Wide	Simay-Azadi Iran National TV	TV	DVB-S	5/6	22.000		Farsi
	Wide	Nove	TV	DVB-S	5/6	22.000	Nagravision 3/Videoguard	Italian
	Wide	Spike Italia	TV	DVB-S	5/6	22.000	Nagravision 3	Italian,English
	Wide	Paramount Channel Italia	TV	DVB-S	5/6	22.000	Nagravision 3	Italian,English
	Wide	VH1 Italia	TV	DVB-S	5/6	22.000	Nagravision 3	Italian
11.566	Wide	TG Norba 24	TV	DVB-S	5/6	22.000		Italian
	Wide	Pop Italia	TV	DVB-S	5/6	22.000	Nagravision 3	Italian
	Wide	Radio Buon Consiglio	radio	DVB-S	5/6	22.000		Italian
	Wide	Radio Sportiva	radio	DVB-S	5/6	22.000		Italian
	Wide	Radio Italia	radio	DVB-S	5/6	22.000		Italian
	Wide	Radio Sacra Famiglia InBlu	radio	DVB-S	5/6	22.000		Italian
	Wide	Radio Onda d'Urto	radio	DVB-S	5/6	22.000		Italian
	Wide	RTL 102.5 FM	radio	DVB-S	5/6	22.000		Italian
	Wide	Radio Padania Libera	radio	DVB-S	5/6	22.000		Italian
	H Wide	Globecast	package	DVB-S2	3/4	29.900		
	Wide	KTV 1	TV	DVB-S2	3/4	29.900		Arabic
11.604	Wide	TRT World	TV	DVB-S2	3/4	29.900		English
	Wide	Bahrain TV	TV	DVB-S2	3/4	29.900		Arabic
	Wide	France 24 Français	TV	DVB-S2	3/4	29.900		French
	Wide	Radio Kuwait Main Program	radio	DVB-S2	3/4	29.900		Arabic
	Wide	France 24 English	TV	DVB-S2	3/4	29.900		English
	Wide	Radio Kuwait Quran	radio	DVB-S2	3/4	29.900		Arabic
	Wide	CNN International Europe	TV	DVB-S2	3/4	29.900	Irdeto 2	English
	H Wide	Lalish TV	TV	DVB-S	5/6	27.500		Farsi
	Wide	Iran e Aryae TV	TV	DVB-S	5/6	27.500		Farsi
	Wide	TV Rus	TV	DVB-S	5/6	27.500		Russian
	Wide	Radio POS AC	radio	DVB-S	5/6	27.500		German
11.623	Wide	Radio POS Soft AC	radio	DVB-S	5/6	27.500		German
	Wide	Radio POS CHR	radio	DVB-S	5/6	27.500		German
	Wide	Radio POS Hot AC	radio	DVB-S	5/6	27.500		German
	Wide	Radio POS Euro AC	radio	DVB-S	5/6	27.500		German
	Wide	Radio POS	radio	DVB-S	5/6	27.500		German
	V Wide	Globecast	package	DVB-S	3/4	27.500		
	Wide	Mezzo	TV	DVB-S	3/4	27.500	Conax/Irdeto 2/Mediaguard 2/Nagravision 3/Viaccess 2.3/Viaccess 2.5/Viaccess 3.0	French
	Wide	Tele Congo	TV	DVB-S	3/4	27.500		French
	Wide	Arirang World	TV	DVB-S	3/4	27.500		English
	Wide	ERT World	TV	DVB-S	3/4	27.500		Greek
	Wide	Belarus 24	TV	DVB-S	3/4	27.500		Russian
Wide	Soyuz	TV	DVB-S	3/4	27.500		Russian	
Wide	Canal Algérie	TV	DVB-S	3/4	27.500		Arabic	
Wide	Thalitha TV	TV	DVB-S	3/4	27.500		Arabic	
Wide	Radio 2000	radio	DVB-S	3/4	27.500		Hebrew	
Wide	France Maghreb 2 Province	radio	DVB-S	3/4	27.500		French	
Wide	Radio Orient	radio	DVB-S	3/4	27.500		Arabic	
Wide	Proto Programma	radio	DVB-S	3/4	27.500		Greek	
Wide	Deftero Programma	radio	DVB-S	3/4	27.500		Greek	

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Wide	Trito Programma	radio	DVB-S	3/4		27.500		Greek
	Wide	ERA Spor	radio	DVB-S	3/4		27.500		Greek
	Wide	I Foni tis Elladas	radio	DVB-S	3/4		27.500		
	Wide	Radio Congo	radio	DVB-S	3/4		27.500		French
	Wide	Radio Belarus	radio	DVB-S	3/4		27.500		
11.681	H Wide	Bis TV	package	DVB-S2	3/4		27.500	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0/Viaccess 5.0	
	Wide	TF 1	TV	DVB-S2	3/4	Y	27.500	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0/Viaccess 5.0	French
	Wide	France 2	TV	DVB-S2	3/4		27.500	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0/Viaccess 5.0	French
	Wide	France 3	TV	DVB-S2	3/4	Y	27.500	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0/Viaccess 5.0	French
	Wide	France 5	TV	DVB-S2	3/4		27.500	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0/Viaccess 5.0	French
	Wide	M6	TV	DVB-S2	3/4		27.500	Viaccess 3.0/Viaccess 4.0	French
	Wide	ARTE Français	TV	DVB-S2	3/4		27.500		French,German
	Wide	C8	TV	DVB-S2	3/4	Y	27.500	Viaccess 3.0/Viaccess 4.0	French
	Wide	W9	TV	DVB-S2	3/4	Y	27.500	Viaccess 3.0/Viaccess 4.0	French
	Wide	TMC	TV	DVB-S2	3/4		27.500	Viaccess 3.0/Viaccess 4.0	French
	Wide	NRJ 12	TV	DVB-S2	3/4	Y	27.500	Viaccess 3.0/Viaccess 4.0	French
	Wide	LCP TNT	TV	DVB-S2	3/4		27.500	Viaccess 3.0/Viaccess 4.0	French
	Wide	France 4	TV	DVB-S2	3/4	Y	27.500	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0	French
	Wide	C News	TV	DVB-S2	3/4		27.500	Viaccess 3.0/Viaccess 4.0	French
	Wide	L'Équipe	TV	DVB-S2	3/4		27.500	Viaccess 3.0/Viaccess 4.0	French
	Wide	6ter	TV	DVB-S2	3/4		27.500	Viaccess 3.0/Viaccess 4.0	French
	Wide	Numéro 23	TV	DVB-S2	3/4		27.500	Viaccess 3.0/Viaccess 4.0	French
	Wide	Chérie 25	TV	DVB-S2	3/4		27.500	Viaccess 3.0/Viaccess 4.0	French
	Wide	LCI	TV	DVB-S2	3/4		27.500	Viaccess 3.0/Viaccess 4.0	French
11.727	V Wide	TSA	package	DVB-S	3/4		27.500	Conax/Irdeto 2/Nagravision 3/Viaccess 2.6/Viaccess 4.0/Viaccess 5.0	
	Wide	SCT promo	TV	DVB-S	3/4		27.500		Italian
	Wide	SCT HD	TV	DVB-S	3/4		27.500	Irdeto 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0/Videoguard	Italian
	Wide	Alice	TV	DVB-S	3/4		27.500		Italian
	Wide	RTA	TV	DVB-S	3/4		27.500		Farsi
	Wide	Telesur	TV	DVB-S	3/4		27.500		Spanish
	Wide	Evil Angel TV	TV	DVB-S	3/4		27.500	Conax/Irdeto 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	Italian
	Wide	Dusk TV Europe	TV	DVB-S	3/4		27.500	Conax/Irdeto 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	English
	Wide	Cento X Cento TV	TV	DVB-S	3/4		27.500	Irdeto 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	Italian
	Wide	SCT	TV	DVB-S	3/4		27.500	Conax/Irdeto 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	Italian
	Wide	Passione TV	TV	DVB-S	3/4		27.500	Irdeto 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	
	Wide	Sexto Senso	TV	DVB-S	3/4		27.500	Conax/Irdeto 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	Italian
	Wide	Pink' o TV	TV	DVB-S	3/4		27.500	Conax/Irdeto 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	Italian
	Wide	TBN Europe	TV	DVB-S	3/4		27.500		English
	Wide	Life TV	TV	DVB-S	3/4		27.500		Russian
	Wide	TCI	TV	DVB-S	3/4		27.500		Italian
	Wide	Hillsong Channel	TV	DVB-S	3/4		27.500		English
	Wide	Juce TV	TV	DVB-S	3/4		27.500		English
	Wide	Al Horreya TV	TV	DVB-S	3/4		27.500		Arabic
	Wide	TBN Polska	TV	DVB-S	3/4		27.500		Polish
	Wide	Kanal Hayat	TV	DVB-S	3/4		27.500		Turkish
11.785	H Wide	Sky Italia	package	DVB-S2	3/4		29.900	Videoguard	
	Wide	Sky Cinema Cult	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Sky Cinema Hits	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Sky Cinema Max	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Fox Italia	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Fox Crime Italia	TV	DVB-S2	3/4		29.900	Videoguard	Italian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	Arte Atelier	TV	DVB-S2	3/4	29.900		Italian
	Wide	DMAX Italia	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Cartoon Network Italia	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Milan TV	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Uno +1	TV	DVB-S2	3/4	29.900	Videoguard	Italian
11.823	H Wide	Nova	package	DVB-S2	3/4	27.500	Irdeto 2	
	Wide	Nova Cinema 1	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek
	Wide	Mega TV	TV	DVB-S2	3/4	Y 27.500	Irdeto 2	Greek
	Wide	Ant1	TV	DVB-S2	3/4	Y 27.500	Irdeto 2	Greek
	Wide	Alpha TV	TV	DVB-S2	3/4	Y 27.500	Irdeto 2	Greek
	Wide	Star Channel	TV	DVB-S2	3/4	Y 27.500	Irdeto 2	Greek
	Wide	ERT 1	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek
	Wide	Novasports 5	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek,English
	Wide	Disney XD Hellas	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek,English
	Wide	SKAĪ Tileorasi	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek
	Wide	MTV Hits	TV	DVB-S2	3/4	27.500	Irdeto 2	English
	Wide	Novasports 3	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek,English
	Wide	Nova Cinema 4	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek
	Wide	ERT 2	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek
	Wide	Ecclesia Radio	radio	DVB-S2	3/4	27.500		Greek
	Wide	SKAĪ 100.3 FM	radio	DVB-S2	3/4	27.500	Irdeto 2	Greek
	Wide	Melodia 99.2	radio	DVB-S2	3/4	27.500	Irdeto 2	Greek
	Wide	Love Radio 97.5	radio	DVB-S2	3/4	27.500	Irdeto 2	Greek
11.843	V Wide	Sky Italia	package	DVB-S2	3/4	29.900	Videoguard	
	Wide	Fox Sports Italia	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	MTV Italia	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Sport Plus	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Primafila 1	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Calcio 8	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Cinema Uno +1	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Cinema Max +1	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Calcio 7	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Primafila 3	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Juventus TV	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Fox Animation	TV	DVB-S2	3/4	29.900	Videoguard	Italian
11.862	H Wide	Sky Italia	package	DVB-S	5/6	29.900	Videoguard	
	Wide	DeA Kids +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Meteo 24	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Real Time	TV	DVB-S	5/6	29.900		Italian
	Wide	Sky TG 24 mosaico	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky TG 24 Primo Piano	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky TG 24 Rassegne	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky TG 24 Eventi	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Doctor's Life Channel	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky TG 24	TV	DVB-S	5/6	29.900	Videoguard	Italian
11.881	V Wide	Sky Italia	package	DVB-S	3/4	27.500	Nagravision 3/Videoguard	
	Wide	National Geographic Italia	TV	DVB-S	3/4	27.500	Videoguard	Italian
	Wide	TV 8	TV	DVB-S	3/4	27.500	Nagravision 3/Videoguard	Italian,English
	Wide	Giallo	TV	DVB-S	3/4	27.500	Nagravision 3/Videoguard	Italian
	Wide	Focus	TV	DVB-S	3/4	27.500	Nagravision 3/Videoguard	Italian
11.900	H Wide	Sky Italia	package	DVB-S2	3/4	29.900	Videoguard	
	Wide	Torino Channel	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Sport F1 HD	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Inter Channel	TV	DVB-S2	3/4	29.900	Videoguard	Italian
11.938	H Wide	Nova	package	DVB-S2	3/4	27.500	Irdeto 2	
	Wide	History Europe	TV	DVB-S2	3/4	27.500	Irdeto 2	English
	Wide	Nova Cinema 3	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek
	Wide	Mad Greeks	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek
	Wide	Novasports 24 HD	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek
	Wide	Novasports Stories	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek
	Wide	E! Europe	TV	DVB-S2	3/4	27.500	Irdeto 2	English
	Wide	Disney Channel Middle East	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek,English
	Wide	Fox Life Greece	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek
	Wide	Fox Greece	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Wide	Boomerang Central & Eastern Europe	TV	DVB-S2	3/4		27.500	Irdeto 2	Greek,English
	Wide	Nova Cinema 2	TV	DVB-S2	3/4		27.500	Irdeto 2	Greek
	Wide	Nova games	interactive	DVB-S2	3/4		27.500	Irdeto 2	
	Wide	Novascope	interactive	DVB-S2	3/4		27.500	Irdeto 2	
	Wide	Mad Radio 106.2	radio	DVB-S2	3/4		27.500	Irdeto 2	Greek
11.958	V Wide	Sky Italia	package	DVB-S	3/4		27.500	Videoguard	
	Wide	Sky Sport Moto GP HD	TV	DVB-S	3/4		27.500	Videoguard	Italian
	Wide	Sky Sport 1	TV	DVB-S	3/4		27.500	Videoguard	Italian
	Wide	Sky Sport 2	TV	DVB-S	3/4		27.500	Videoguard	Italian
	Wide	Sky SuperCalcio	TV	DVB-S	3/4		27.500	Videoguard	Italian
	Wide	Sky Uno +1	TV	DVB-S	3/4		27.500	Videoguard	Italian
	Wide	Sky Sport 24	TV	DVB-S	3/4		27.500	Videoguard	Italian
	Wide	Disney XD Italia	TV	DVB-S	3/4		27.500	Videoguard	Italian
	Wide	Radio Kiss Kiss	radio	DVB-S	3/4		27.500		Italian
	Wide	Radio Number One	radio	DVB-S	3/4		27.500		Italian
	Wide	Dimensione Suono 2 Soft	radio	DVB-S	3/4		27.500		Italian
11.977	H Wide	Sky Italia	package	DVB-S	5/6		29.900	Videoguard	
	Wide	Crime + Investigation Network Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Fox News Channel	TV	DVB-S	5/6		29.900	Videoguard	English
	Wide	Roma TV	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Sky News International	TV	DVB-S	5/6		29.900	Videoguard	English
	Wide	Lazio Style TV	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Ginx eSports TV Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Fox Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Vetrina Primafila	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Nat Geo Wild Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Fox Life Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Blaze Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Sky Cinema Cult	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Fox Crime Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Gambero Rosso Channel	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	The History Channel Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian
11.996	V Wide	Sky Italia	package	DVB-S2	3/4		29.900	Videoguard	
	Wide	Sky Sport Mix	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	TV 2000	TV	DVB-S2	3/4		29.900	Nagravision 3/Videoguard	Italian
	Wide	Sky Sport 2	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Discovery Science	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Sky Cinema Comedy	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Sky Cinema Classics	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Sky Sport 24	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Sportitalia	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Sky Arte HD	TV	DVB-S2	3/4		29.900	Videoguard	Italian
12.015	H Wide	Viacom Media Networks	package	DVB-S2	3/4		27.500	Conax/Irdeto 2/Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 5.0/Videoguard/Verimatrix	
	Wide	MTV Live HD	TV	DVB-S2	3/4		27.500	Conax/Irdeto 2/Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 5.0/Videoguard/Verimatrix	English
	Wide	Nickelodeon Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 5.0	Polish
	Wide	Paramount Channel Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 5.0	Polish
	Wide	Comedy Central Family Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 5.0	Polish,English
	Wide	MTV Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 5.0	Polish
12.034	V Wide	Sky Italia	package	DVB-S	5/6		29.900	Nagravision 3/Videoguard	
	Wide	Sky Cinema Uno	TV	DVB-S	5/6	Y	29.900	Videoguard	Italian
	Wide	Sky Cinema Family	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Sky Cinema Uno +24	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Sky Cinema Classics	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Cielo	TV	DVB-S	5/6		29.900	Nagravision 3/Videoguard	Italian
	Wide	Disney Channel Italia +2	TV	DVB-S	5/6		29.900	Videoguard	Italian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	Sky Cinema Max	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Disney Channel Italia	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Discovery Channel Italia	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Cinema Passion	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Disney Junior Italia	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	TV 2000	TV	DVB-S	5/6	29.900	Nagravision 3/Videoguard	Italian
	Wide	Eurosport 2 Italia	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	CNN International Europe	TV	DVB-S	5/6	29.900	Videoguard	English
	Wide	Radio InBlu	radio	DVB-S	5/6	29.900		Italian
	Wide	Vatican Radio 105 FM	radio	DVB-S	5/6	29.900		Italian
12.054	H Wide	Sky Italia	package	DVB-S	5/6	29.900	Videoguard	
	Wide	Eurosport 1 Italia	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Calcio 1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	MTV Rocks	TV	DVB-S	5/6	29.900	Videoguard	English
	Wide	MTV Hits UK	TV	DVB-S	5/6	29.900	Videoguard	English
	Wide	Sky Primafila 20	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Sport 3	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Cinema Max +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Uno	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Blu	TV	DVB-S	5/6	29.900		Italian
	Wide	Sky Cinema Uno +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Cinema Hits	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Cinema Comedy	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Mosaico Sky Cinema	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Fox Sports Italia	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Disney Junior Italia +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
12.073	V Wide	Sky Italia	package	DVB-S	5/6	29.900	Videoguard	
	Wide	Sky Atlantic HD	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 13	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 11	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 9	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 7	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 5	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Calcio 2	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 3	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Calcio 3	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Calcio 4	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Calcio 5	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Calcio 6	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Calcio 7	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Sport F1 HD	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Dove TV	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Sport Mix	TV	DVB-S	5/6	29.900	Videoguard	Italian
12.092	H Wide	Sky Italia	package	DVB-S2	3/4	29.900	Videoguard	
	Wide	Fox Life Italia	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	The History Channel Italia	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Nat Geo People	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Nat Geo Wild Italia	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky TG 24	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Arte Network	TV	DVB-S2	3/4	29.900		Italian
	Wide	Blaze Italia	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Fashion TV Europe	TV	DVB-S2	3/4	29.900		
	Wide	Match Music	TV	DVB-S2	3/4	29.900		Italian
	Wide	Fox Comedy Italia	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Crime + Investigation Network Italia	TV	DVB-S2	3/4	29.900	Videoguard	Italian
12.130	H Wide	Nova	package	DVB-S2	3/4	27.500	Irdeto 2	
	Wide	National Geographic Ellada	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek
	Wide	Discovery Showcase HD	TV	DVB-S2	3/4	27.500	Irdeto 2	English
	Wide	ERT HD	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek
	Wide	Novasports 2	TV	DVB-S2	3/4	27.500	Irdeto 2	English,Greek
	Wide	Nat Geo Wild Europe	TV	DVB-S2	3/4	27.500	Irdeto 2	English
	Wide	Novasports 1	TV	DVB-S2	3/4	27.500	Irdeto 2	English,Greek
	Wide	Nova Cinema 1	TV	DVB-S2	3/4	27.500	Irdeto 2	Greek
12.149	V Wide	Eutelsat	package	DVB-S	3/4	27.500		

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Wide	Cine Film	TV	DVB-S	3/4		27.500		Farsi
	Wide	CCTV 4 Europe	TV	DVB-S	3/4		27.500		Chinese
	Wide	Cine Series	TV	DVB-S	3/4		27.500		Farsi
	Wide	RTV San Marino	TV	DVB-S	3/4		27.500		Italian
	Wide	Bethel TV	TV	DVB-S	3/4		27.500		Spanish
	Wide	People TV	TV	DVB-S	3/4		27.500		Italian
	Wide	CNC World English	TV	DVB-S	3/4		27.500		English
	Wide	Baeynat Satellite Channel	TV	DVB-S	3/4		27.500		Arabic
	Wide	Khane Film	TV	DVB-S	3/4		27.500		Farsi
	Wide	Radio Culturelle	radio	DVB-S	3/4		27.500		Arabic
	Wide	Radio Nationale	radio	DVB-S	3/4		27.500		Arabic
	Wide	Radio Sportiva	radio	DVB-S	3/4		27.500		Italian
	Wide	Radio Tunis Chaîne Internationale	radio	DVB-S	3/4		27.500		
	Wide	Radio Italia	radio	DVB-S	3/4		27.500		Italian
	Wide	RMC Sport	radio	DVB-S	3/4		27.500		Italian
	Wide	Radio Freccia	radio	DVB-S	3/4		27.500		Italian
	Wide	RTL 102.5 FM	radio	DVB-S	3/4		27.500		Italian
	Wide	Radio 24	radio	DVB-S	3/4		27.500		Italian
	Wide	Radio Beckwith Evangelica	radio	DVB-S	3/4		27.500		Italian
	Wide	DiscoRadio	radio	DVB-S	3/4		27.500		Italian
	Wide	Radio DeeJay	radio	DVB-S	3/4		27.500		Italian
	Wide	Radio Capital	radio	DVB-S	3/4		27.500		Italian
	Wide	M2o	radio	DVB-S	3/4		27.500		Italian
	Wide	Radio Iglesias	radio	DVB-S	3/4		27.500		Italian
	Wide	Radio Popolare	radio	DVB-S	3/4		27.500		Italian
	Wide	Radio Mater	radio	DVB-S	3/4		27.500		Italian
12.169	H Wide	Nova	package	DVB-S2	3/4		27.500	Irdeto 2	
	Wide	Discovery Channel Europe	TV	DVB-S2	3/4		27.500	Irdeto 2	English
	Wide	Motorsport TV	TV	DVB-S2	3/4		27.500	Irdeto 2	Greek,English
	Wide	Novasports Extra 2	TV	DVB-S2	3/4		27.500	Irdeto 2	Greek
	Wide	Novasports 4	TV	DVB-S2	3/4		27.500	Irdeto 2	Greek,English
	Wide	Vouli Tileorasi	TV	DVB-S2	3/4		27.500		Greek
	Wide	Mad TV	TV	DVB-S2	3/4	Y	27.500	Irdeto 2	Greek
	Wide	MTV Europe	TV	DVB-S2	3/4		27.500	Irdeto 2	Greek
	Wide	Travel Channel Europe	TV	DVB-S2	3/4		27.500	Irdeto 2	Greek
	Wide	Kontra Channel	TV	DVB-S2	3/4		27.500	Irdeto 2	Greek
	Wide	Novalife	TV	DVB-S2	3/4		27.500	Irdeto 2	Greek
	Wide	National Geographic Ellada	TV	DVB-S2	3/4		27.500	Irdeto 2	Greek
	Wide	Action 24	TV	DVB-S2	3/4		27.500	Irdeto 2	Greek
	Wide	Nickelodeon Greece	TV	DVB-S2	3/4		27.500	Irdeto 2	Greek
	Wide	VH1 Europe	TV	DVB-S2	3/4		27.500	Irdeto 2	English
	Wide	Epsilon TV	TV	DVB-S2	3/4		27.500	Irdeto 2	Greek
	Wide	Fox Sports Europe	TV	DVB-S2	3/4		27.500	Irdeto 2	English
	Wide	Real FM	radio	DVB-S2	3/4		27.500	Irdeto 2	Greek
	Wide	Vima FM 99.5	radio	DVB-S2	3/4		27.500	Irdeto 2	Greek
	Wide	Sport 24 Radio 103.3	radio	DVB-S2	3/4		27.500	Irdeto 2	Greek
	Wide	Sto Kokkino	radio	DVB-S2	3/4		27.500	Irdeto 2	Greek
	Wide	Parapolitika 90.1 FM	radio	DVB-S2	3/4		27.500	Irdeto 2	Greek
12.188	V Wide	Polsat Romans	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	AXN White Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	AXN Black Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Eurosport 1 Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 2.5/Viaccess 3.0/Viaccess 4.0/Viaccess 5.0	Polish,English
	Wide	VOD promo	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish
	Wide	Nat Geo Wild Europe	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish,English
	Wide	Disco Polo Music	TV	DVB-S2	3/4	Y	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Discovery Channel Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	AXN Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3	Polish
	Wide	Tvo	TV	DVB-S2	3/4		27.500		Polish
	Wide	Disney XD Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Wide	JimJam Polsat	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	Boomerang Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	MTV Rocks	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	ATM Rozrywka	TV	DVB-S2	3/4	Y	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Superstacja	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Vivid TV Europe	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3	English
	Wide	TNT Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3	Polish,English
	Wide	TLC Polska	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish,English
	Wide	Discovery Science Polska	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish,English
	Wide	Investigation Discovery Polska	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish,English
	Wide	Viasat Explore Polsat	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Viasat Nature Polsat	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Fox Comedy Polska	TV	DVB-S2	3/4		27.500	Mediaguard 2/Nagravision 3	Polish,English
	Wide	RMF FM	radio	DVB-S2	3/4		27.500	Nagravision 3	Polish
	Wide	Muzo FM	radio	DVB-S2	3/4		27.500		Polish
	Wide	RMF Classic	radio	DVB-S2	3/4		27.500		Polish
	Wide	Polskie Radio Jedyńka	radio	DVB-S2	3/4		27.500	Nagravision 3	Polish
	Wide	Polskie Radio Trójka	radio	DVB-S2	3/4		27.500	Nagravision 3	Polish
	Wide	Radio Zet	radio	DVB-S2	3/4		27.500		Polish
	Wide	RMF Maxxx	radio	DVB-S2	3/4		27.500		Polish
	Wide	Melo Radio	radio	DVB-S2	3/4		27.500		Polish
	Wide	Radio Złote Przeboje	radio	DVB-S2	3/4		27.500		Polish
12.207	H Wide	Sky Italia	package	DVB-S2	3/4		29.900	Videoguard	
	Wide	Discovery Channel Italia	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Cielo	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Disney Channel Italia	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Eurosport 2 Italia	TV	DVB-S2	3/4		29.900	Videoguard	Italian,English
	Wide	Sky 3D	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Classica HD	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Real Time	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Disney XD Italia	TV	DVB-S2	3/4		29.900	Videoguard	Italian
12.226	V Wide	VoA	package	DVB-S	3/4		27.500		
	Wide	Alhurra TV Europe	TV	DVB-S	3/4		27.500		Arabic
	Wide	Nastoyashcheye Vremya	TV	DVB-S	3/4		27.500		Russian
	Wide	Radio Farda TV	TV	DVB-S	3/4		27.500		Farsi
	Wide	VoA TV Persian	TV	DVB-S	3/4		27.500		Farsi
	Wide	VoA TV Europe	TV	DVB-S	3/4		27.500		
	Wide	American Embassy TV Network	TV	DVB-S	3/4		27.500		
	Wide	Radio Svoboda	radio	DVB-S	3/4		27.500		Russian
	Wide	Radio Svoboda Ukraina	radio	DVB-S	3/4		27.500		
	Wide	Ozodlik Radiosi	radio	DVB-S	3/4		27.500		
	Wide	Radio Svoboda	radio	DVB-S	3/4		27.500		
	Wide	Radio Tavisupleba	radio	DVB-S	3/4		27.500		
	Wide	Radio Azatutyun	radio	DVB-S	3/4		27.500		
	Wide	Deewa Radio	radio	DVB-S	3/4		27.500		
	Wide	Mashaal Radio	radio	DVB-S	3/4		27.500		
	Wide	Azattyk Unalgysy	radio	DVB-S	3/4		27.500		
	Wide	Ozodlik Radiosi	radio	DVB-S	3/4		27.500		
	Wide	Azadliq Radiosu	radio	DVB-S	3/4		27.500		
	Wide	Azatlyk Radiosy	radio	DVB-S	3/4		27.500		
	Wide	Azatliq Radiosi	radio	DVB-S	3/4		27.500		
	Wide	Radio Liberty North Caucasus	radio	DVB-S	3/4		27.500		
	Wide	Radio Europa Libera	radio	DVB-S	3/4		27.500		
	Wide	Radio Slobodna Evropa	radio	DVB-S	3/4		27.500		
	Wide	Radio Iraq Hurr	radio	DVB-S	3/4		27.500		Arabic
	Wide	Radio Evropa e Lirë	radio	DVB-S	3/4		27.500		Albanian
	Wide	Ekho Kavkaza	radio	DVB-S	3/4		27.500		
	Wide	Voice of America	radio	DVB-S	3/4		27.500		
	Wide	Radio Free Europe/Radio Liberty	radio	DVB-S	3/4		27.500		
	Wide	Voice of America	radio	DVB-S	3/4		27.500		Kirghiz

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	Radio Free Europe/Radio Liberty	radio	DVB-S	3/4	27.500		Kirghiz
	Wide	VoA Eastern Europe	radio	DVB-S	3/4	27.500		
	Wide	Radio Free Europe/Radio Liberty	radio	DVB-S	3/4	27.500		
	Wide	VoA Eastern Europe	radio	DVB-S	3/4	27.500		
	Wide	Radio Free Europe/Radio Liberty	radio	DVB-S	3/4	27.500		
	Wide	Voice of America	radio	DVB-S	3/4	27.500		
	Wide	Radio Free Europe/Radio Liberty	radio	DVB-S	3/4	27.500		Russian
	Wide	Voice of America	radio	DVB-S	3/4	27.500		Ukrainian
	Wide	Radio Free Europe/Radio Liberty	radio	DVB-S	3/4	27.500		Armenian
	Wide	Voice of America	radio	DVB-S	3/4	27.500		Georgian
	Wide	Radio Free Europe/Radio Liberty	radio	DVB-S	3/4	27.500		Belarussian
	Wide	Radio Farda	radio	DVB-S	3/4	27.500		Farsi
	Wide	Voice of America	radio	DVB-S	3/4	27.500		
	Wide	VoA 1	radio	DVB-S	3/4	27.500		English
	Wide	Radio Evropa e Lirë	radio	DVB-S	3/4	27.500		Albanian
	Wide	VoA 1	radio	DVB-S	3/4	27.500		English
	Wide	Voice of America	radio	DVB-S	3/4	27.500		
	Wide	Radio Slobodna Evropa Makedonija	radio	DVB-S	3/4	27.500		Macedonian
	Wide	Voice of America	radio	DVB-S	3/4	27.500		
	Wide	Radio Slobodna Evropa	radio	DVB-S	3/4	27.500		
	Wide	Radio Free Europe/Radio Liberty	radio	DVB-S	3/4	27.500		
	Wide	Radio Free Europe/Radio Liberty	radio	DVB-S	3/4	27.500		
	Wide	Voice of America	radio	DVB-S	3/4	27.500		Arabic
	Wide	Radio Farda	radio	DVB-S	3/4	27.500		Farsi
	Wide	Radio Sawa Sudan	radio	DVB-S	3/4	27.500		Arabic
	Wide	Radio Free Asia	radio	DVB-S	3/4	27.500		
	Wide	Radio Sawa Lebanon	radio	DVB-S	3/4	27.500		Arabic
	Wide	Radio Sawa Levant	radio	DVB-S	3/4	27.500		Arabic
	Wide	Radio Sawa Iraq	radio	DVB-S	3/4	27.500		Arabic
	Wide	Radio Sawa Egypt	radio	DVB-S	3/4	27.500		Arabic
	Wide	Radio Sawa The Gulf	radio	DVB-S	3/4	27.500		Arabic
	Wide	Radio Sawa North Africa	radio	DVB-S	3/4	27.500		Arabic
	Wide	VoA Africa Live	radio	DVB-S	3/4	27.500		English
	Wide	Voice of America	radio	DVB-S	3/4	27.500		
	Wide	Voice of America	radio	DVB-S	3/4	27.500		Urdu
12.245	H Wide	Sky Italia	package	DVB-S	5/6	29.900	Videoguard	
	Wide	Fox Italia +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Fox Crime Italia +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Fox Life Italia +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Loveworld TV	TV	DVB-S	5/6	29.900		English
	Wide	Nick Jr Italia +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Canale Italia 83	TV	DVB-S	5/6	29.900		Italian
	Wide	Wine TV	TV	DVB-S	5/6	29.900		Italian
	Wide	Archi News 24	TV	DVB-S	5/6	29.900		Italian
	Wide	Canale Italia 84	TV	DVB-S	5/6	29.900		Italian
	Wide	Fox Crime Italia +2	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	The History Channel Italia +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	National Geographic Italia +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	One TV	TV	DVB-S	5/6	29.900		Italian
	Wide	Italian Fishing TV	TV	DVB-S	5/6	29.900		Italian
	Wide	Radio Radio TV	TV	DVB-S	5/6	29.900		Italian
	Wide	Radio Radio	radio	DVB-S	5/6	29.900		Italian
12.265	V Wide	Polsat Sport Extra	TV	DVB-S2	3/4	27.500	Nagravision 3	Polish
	Wide	Viasat History Polsat	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Fox Comedy Polska	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Polsat Doku	TV	DVB-S2	3/4	27.500	Nagravision 3	Polish
	Wide	AXN Polska	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Cinemax 2 Central Europe	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Fox Polska	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	TVP 2	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish



Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	History HD Europe	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	Tenis Premium 2	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
12.284	H Wide	TNT Polska	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	Cartoon Network Polska	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	Nat Geo People	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	Extreme Sports Channel	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	Tenis Premium 1	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	CBS Europa	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Eurosport 2 Polska	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0/Viaccess 5.0	Polish,English
	Wide	Discovery Science Polska	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	Polsat Sport Fight	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Polsat Sport News	TV	DVB-S2	3/4	27.500	Nagravision 3	Polish
12.322	H Wide	Eutelsat	package	DVB-S	3/4	27.500	Viaccess 4.0	
	Wide	Rede Internacional de TV	TV	DVB-S	3/4	27.500		Portuguese
	Wide	Detski Mir	TV	DVB-S	3/4	27.500	Viaccess 4.0	Russian
	Wide	Pars TV	TV	DVB-S	3/4	27.500		Farsi
	Wide	TeleKlub	TV	DVB-S	3/4	27.500	Viaccess 4.0	Russian
	Wide	Erfan Halgheh TV	TV	DVB-S	3/4	27.500		
	Wide	Nashe Lubimoe Kino	TV	DVB-S	3/4	27.500	Viaccess 4.0	Russian
	Wide	Angel TV	TV	DVB-S	3/4	27.500		Arabic
	Wide	Kurdistan 24	TV	DVB-S	3/4	27.500		Kurdish
	Wide	Al-Zahra TV	TV	DVB-S	3/4	27.500		Farsi
	Wide	Payame Aramesh TV	TV	DVB-S	3/4	27.500		Farsi
	Wide	Shant TV	TV	DVB-S	3/4	27.500		Armenian
	Wide	Karbala Satellite Channel	TV	DVB-S	3/4	27.500		Arabic
	Wide	BBC Persian	TV	DVB-S	3/4	27.500		Farsi
	Wide	Kurdistan 24 Radio	radio	DVB-S	3/4	27.500		Kurdish
12.341	V Wide	Sky Cinema Uno	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Calcio 3	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Calcio 4	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Primafila 9	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Primafila 11	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Uno	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Sport 1	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Atlantic HD	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	National Geographic Italia	TV	DVB-S2	3/4	29.900	Videoguard	Italian
12.360	H Wide	Sky Italia	package	DVB-S2	3/4	29.900	Videoguard	
	Wide	Sky SuperCalcio	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Discovery Travel & Living Italy	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Cinema Uno +24	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Cinema Passion	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Sport 3	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Cinema Family	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	TV 8	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Cinema Family +1	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Atlantic HD +1	TV	DVB-S2	3/4	29.900	Videoguard	Italian
12.380	V Wide	Globecast	package	DVB-S	3/4	27.500		
	Wide	Equidia Pro 2	TV	DVB-S	3/4	27.500	Viaccess 4.0	French
	Wide	Nabaa TV	TV	DVB-S	3/4	27.500		Arabic
	Wide	ERI TV 1	TV	DVB-S	3/4	27.500		
	Wide	Sunna TV	TV	DVB-S	3/4	27.500		Arabic
	Wide	Alalam News Channel	TV	DVB-S	3/4	27.500		Arabic
	Wide	Qur'an Hidayah English	TV	DVB-S	3/4	27.500		English
	Wide	Coran Hidaiah Français	TV	DVB-S	3/4	27.500		French
	Wide	Corán Hidaiah Español	TV	DVB-S	3/4	27.500		Spanish
	Wide	CGN TV	TV	DVB-S	3/4	27.500		Korean
	Wide	EuroNews Ruskiy	TV	DVB-S	3/4	27.500		Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	EuroNews Magyar	TV	DVB-S	3/4	27.500		Hungarian
	Wide	Koran Hedayah	TV	DVB-S	3/4	27.500		German
	Wide	Koran Hidayah	TV	DVB-S	3/4	27.500		Russian
	Wide	Kur'an Hidajeh	TV	DVB-S	3/4	27.500		Bosnian
	Wide	Kur'ani Hedaya Shqip	TV	DVB-S	3/4	27.500		Albanian
	Wide	Qur'an Hidayah Persian	TV	DVB-S	3/4	27.500		Farsi
	Wide	Al Rayyan Radio	radio	DVB-S	3/4	27.500		Arabic
	Wide	Radio Zara FM	radio	DVB-S	3/4	27.500		Tigrinya
	Wide	Dimtsi Hafash	radio	DVB-S	3/4	27.500		
	Wide	Emarat FM	radio	DVB-S	3/4	27.500		Arabic
	Wide	RFI Français	radio	DVB-S	3/4	27.500		French
12.399	H Wide	Dubai Media	package	DVB-S2	2/3	29.700		
	Wide	Sama Dubai	TV	DVB-S2	2/3	29.700		Arabic
	Wide	Dubai TV	TV	DVB-S2	2/3	29.700		Arabic
	Wide	Dubai Sports	TV	DVB-S2	2/3	29.700		English,Arabic
	Wide	Noor Dubai Radio	radio	DVB-S2	2/3	29.700		Arabic
12.418	V Wide	Sky Italia	package	DVB-S2	3/4	29.900	Videoguard	
	Wide	Sky Calcio 5	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Calcio 6	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Primafila 7	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Calcio 1	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Eurosport 1 Italia	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Calcio 2	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Primafila 5	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Primafila 13	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Bike Channel	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Roma TV	TV	DVB-S2	3/4	29.900	Videoguard	Italian
12.437	H Wide	IRIB	package	DVB-S2	3/4	29.900		
	Wide	IRINN	TV	DVB-S2	3/4	29.900		Farsi
	Wide	Quran TV	TV	DVB-S2	3/4	29.900		Farsi
	Wide	IFilm Arabic	TV	DVB-S2	3/4	29.900		Farsi,Arabic
	Wide	Nasim	TV	DVB-S2	3/4	29.900		Farsi
	Wide	Jame-Jam TV Network	TV	DVB-S2	3/4	29.900		Farsi
	Wide	Sahar Francophone	TV	DVB-S2	3/4	29.900		French
	Wide	Sahar Azeri	TV	DVB-S2	3/4	29.900		Azerbaijan
	Wide	Sahar Urdu	TV	DVB-S2	3/4	29.900		
	Wide	Alkawthar TV	TV	DVB-S2	3/4	29.900		Arabic
	Wide	Press TV	TV	DVB-S2	3/4	29.900		English
	Wide	Hispan TV	TV	DVB-S2	3/4	29.900		Spanish
	Wide	IFilm English	TV	DVB-S2	3/4	29.900		English,Farsi
	Wide	Radio Iran	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Ava	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Javan	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Quran	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Iran	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Payam	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Javan	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Maaref	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Quran	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Farhang	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Salamah	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Varzesh	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Eghtesad	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Tehran	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Ava	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Namayesh	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Fasli	radio	DVB-S2	3/4	29.900		Farsi
	Wide	IRIB World Service Radio 7	radio	DVB-S2	3/4	29.900		
	Wide	IRIB World Service Radio 3	radio	DVB-S2	3/4	29.900		
	Wide	Radio Telavat	radio	DVB-S2	3/4	29.900		Farsi
	Wide	Radio Goftogoo	radio	DVB-S2	3/4	29.900		Farsi
	Wide	IRIB World Service Radio 1	radio	DVB-S2	3/4	29.900		
	Wide	IRIB World Service Radio 2	radio	DVB-S2	3/4	29.900		
	Wide	IRIB World Service Radio 4	radio	DVB-S2	3/4	29.900		

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	IRIB World Service Radio 5	radio	DVB-S2	3/4	29.900		
	Wide	IRIB World Service Radio 6	radio	DVB-S2	3/4	29.900		
12.466	V Wide	Sky Italia	package	DVB-S	5/6	29.900	Videoguard	
	Wide	Sky Sport 1 Super HD	TV	DVB-S	5/6	29.900	Videoguard	Italian
12.476	H Wide	Globecast	package	DVB-S2	3/4	29.900		
	Wide	Super Tennis	TV	DVB-S2	3/4	29.900		Italian
	Wide	Telepace	TV	DVB-S2	3/4	29.900		Italian
	Wide	BBC Brit Polska	TV	DVB-S2	3/4	29.900	Conax/Mediaguard 2/Nagravision 3/Viaccess 5.0	Polish,English
	Wide	CBeebies Polska	TV	DVB-S2	3/4	29.900	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	BBC Lifestyle Polska	TV	DVB-S2	3/4	29.900	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	EuroNews Italiano	TV	DVB-S2	3/4	29.900		Italian
	Wide	EuroNews Ellinika	TV	DVB-S2	3/4	29.900		Greek
	Wide	Abu Dhabi TV Europe	TV	DVB-S2	3/4	29.900		Arabic
	Wide	Al Rayyan Satellite Channel	TV	DVB-S2	3/4	29.900		Arabic
	Wide	Equidia Pro 1	TV	DVB-S2	3/4	29.900	Viaccess 4.0	French,English,German
	Wide	Equidia Pro 2	TV	DVB-S2	3/4	29.900	Viaccess 4.0	French
	Wide	Radio Vaticana Telepace	radio	DVB-S2	3/4	29.900		
	Wide	Sout Al Islam	radio	DVB-S2	3/4	29.900		Arabic
12.597	V Wide	Globecast	package	DVB-S	3/4	27.500		
	Wide	BBC World News Europe	TV	DVB-S	3/4	27.500		English
	Wide	Perviy kanal Europa	TV	DVB-S	3/4	27.500		Russian
	Wide	CNN International Europe	TV	DVB-S	3/4	27.500	Conax/Irdeto 2/Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0	English
	Wide	BBC Arabic	TV	DVB-S	3/4	27.500		Arabic
	Wide	JSTV 1	TV	DVB-S	3/4	27.500	Conax/Cryptoworks	Japanese,English
	Wide	JSTV 2	TV	DVB-S	3/4	27.500	Conax/Cryptoworks	Japanese
	Wide	EuroNews English	TV	DVB-S	3/4	27.500		English
	Wide	Perviy kanal Europa	TV	DVB-S	3/4	27.500		Russian
	Wide	BBC World Service Arabic	radio	DVB-S	3/4	27.500		Arabic
	Wide	BBC World Service English Europe	radio	DVB-S	3/4	27.500		English
	Wide	BBC World Service English Middle East	radio	DVB-S	3/4	27.500		English
	Wide	Radio Japan	radio	DVB-S	3/4	27.500	Conax/Cryptoworks	
	Wide	BBC World Service Horn of Africa	radio	DVB-S	3/4	27.500		
	Wide	National Prison Radio	radio	DVB-S	3/4	27.500		English
12.635	V Wide	La Effe	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Boomerang Italia	TV	DVB-S	5/6	29.900	Videoguard	Italian
12.673	V Wide	Sky Italia	package	DVB-S	5/6	29.900	Videoguard	
	Wide	Sky Primafila 2	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	A2i	TV	DVB-S	5/6	29.900		French
	Wide	AB Channel	TV	DVB-S	5/6	29.900		Italian
	Wide	Nickelodeon Italia +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Comedy Central Italia +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 22	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 28	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	La 9	TV	DVB-S	5/6	29.900		Italian
	Wide	Parole di Vita	TV	DVB-S	5/6	29.900		Italian
	Wide	Fox Business	TV	DVB-S	5/6	29.900	Videoguard	English
	Wide	Sky Primafila 4	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Arte Italia 124	TV	DVB-S	5/6	29.900		Italian
	Wide	Sky Primafila 6	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	ITV Italia	TV	DVB-S	5/6	29.900		Italian
	Wide	Sky Primafila 21	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Radio DeeJay	radio	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	M2o	radio	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Radio Capital	radio	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	R101	radio	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Radio Italia	radio	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Radio 24	radio	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Radio Dimensione Suono	radio	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Radio Web Italia All the Music & News	radio	DVB-S	5/6	29.900		Italian

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
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## EUTELSAT HOT BIRD 13C

10.719	V Wide	NC+	package	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	
	Wide	Active Family	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Kino Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Cinemax Central Europe	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	TVP HD	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Nat Geo Wild Europe	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	TVP 3 Warszawa	TV	DVB-S2	3/4	Y	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
10.758	V Wide	VOD 202	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish
	Wide	VOD 204	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish
	Wide	VOD 205	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish
	Wide	W Polsce PL	TV	DVB-S2	3/4		27.500	Irdeto 2/Nagravision 3	Polish
	Wide	VOD 206	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish
	Wide	Xxx VOD 1	TV	DVB-S2	3/4		27.500	Irdeto 2/Nagravision 3	Polish
	Wide	VOD 207	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish
	Wide	VOD 208	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish
	Wide	Wellbeing Network Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Muzo TV	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Stopklatka TV	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Xxx VOD 2	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish
	Wide	Stars TV	TV	DVB-S2	3/4		27.500		Polish
	Wide	CBS Action Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	History Europe	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish
	Wide	TVP Rozrywka	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Epic Drama	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	FilmBox Arthouse Worldwide	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Polsat Music	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	TV Republika	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	DTX Polska	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish
	Wide	4 Fun TV	TV	DVB-S2	3/4		27.500		Polish
	Wide	4 Fun Dance	TV	DVB-S2	3/4		27.500		Polish
10.796	V Wide	NC+	package	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 5.0	
	Wide	Discovery Life Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 5.0	Polish
	Wide	Vox Music TV	TV	DVB-S2	3/4		27.500		Polish
	Wide	TVS	TV	DVB-S2	3/4		27.500		Polish
	Wide	TVP Kultura	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	WP TV	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	CBS Reality Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	TVP Seriale	TV	DVB-S2	3/4	Y	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	AXN Spin Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	National Geographic Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	TVP ABC	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	FilmBox Premium Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	FilmBox Family	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,Czech,Hungarian
	Wide	Eska Rock TV	TV	DVB-S2	3/4		27.500		Polish
	Wide	TV Puls	TV	DVB-S2	3/4	Y	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Wide	TVP Historia	TV	DVB-S2	3/4	Y	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
10.834	V Wide	NC+	package	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 2.6/Viaccess 3.0	
	Wide	Kino Polska Muzyka	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	TVP Sport	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Discovery Historia	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Zest TV	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Active Family	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 2.6/Viaccess 3.0	Polish
	Wide	Trace Urban	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 2.6/Viaccess 3.0	English,French
	Wide	BBC HD Polska & Türkiye	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	BBC Earth Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	HBO 2 Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	HBO 3 Central Europe	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
10.853	H Wide	MX1	package	DVB-S2	2/3		29.900		
	Wide	Baby TV Europe	TV	DVB-S2	2/3		29.900	Conax/Mediaguard 2/Nagravision 3/Viaccess 2.5/Viaccess 2.6/Viaccess 3.0/Viaccess 4.0	German,English,French,Dutch,Turkish,Polish,Spanish,Portuguese,Italian,Greek
	Wide	Automoto TV	TV	DVB-S2	2/3		29.900		Italian
	Wide	Orler TV	TV	DVB-S2	2/3		29.900		Italian
	Wide	TRC Sat	TV	DVB-S2	2/3		29.900		Italian
	Wide	Lazio TV Latina	TV	DVB-S2	2/3		29.900		Italian
	Wide	Marcopolo	TV	DVB-S2	2/3		29.900		Italian
	Wide	Italia Channel	TV	DVB-S2	2/3		29.900		Italian
	Wide	Arte Investimenti	TV	DVB-S2	2/3		29.900		Italian
	Wide	Lombardia Sat	TV	DVB-S2	2/3		29.900		Italian
	Wide	Viva l'Italia Channel	TV	DVB-S2	2/3		29.900		Italian
	Wide	TRM h24	TV	DVB-S2	2/3		29.900		Italian
	Wide	TV Art Live	TV	DVB-S2	2/3		29.900		Italian
	Wide	Nove	TV	DVB-S2	2/3		29.900	Nagravision 3/Videoguard	Italian
	Wide	Canale Italia	TV	DVB-S2	2/3		29.900		Italian
	Wide	Gambero Rosso Channel	TV	DVB-S2	2/3		29.900	Videoguard	Italian
10.873	V Wide	Arryadia Live	TV	DVB-S2	3/4		27.500		Arabic
10.892	H Wide	Animal Planet HD	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Motowizja	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	TVN	TV	DVB-S2	3/4	Y	27.500	Conax/Mediaguard 2/Nagravision 3	Polish
	Wide	TVN 24	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3	Polish
	Wide	TVN 7	TV	DVB-S2	3/4	Y	27.500	Conax/Mediaguard 2/Nagravision 3	Polish
	Wide	HGTV Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3	Polish
	Wide	TVN Turbo	TV	DVB-S2	3/4	Y	27.500	Conax/Mediaguard 2/Nagravision 3	Polish
	Wide	TVN Style	TV	DVB-S2	3/4	Y	27.500	Conax/Mediaguard 2/Nagravision 3	Polish
	Wide	TVN 24 BiS	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3	Polish
	Wide	Eurosport 2 North-East	TV	DVB-S2	3/4		27.500	Nagravision 3/Viaccess 3.0/Viaccess 4.0/Viaccess 5.0/Videoguard	Serbian,English,Czech,Russian,Hungarian,Romanian,Croatian,Bulgarian,Turkish
10.911	V Wide	Cyfrowy Polsat	package	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 2.5/Viaccess 3.0/Viaccess 4.0/Viaccess 5.0	
	Wide	Sundance TV Europe	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Scifi Polska	TV	DVB-S2	3/4	Y	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	TLC Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	H2 Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3	Polish
	Wide	Golf Channel Polska	TV	DVB-S2	3/4		27.500	Nagravision 3	Polish,English
	Wide	FightBox HD	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	Eurosport 1 Polska	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 2.5/Viaccess 4.0/Viaccess 5.0	Polish
	Wide	13 Ulica	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Lifetime Polska	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
10.930	H Wide	unknown	package	DVB-S2	2/3	30.000	Conax/Irdeto 2/Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0	
	Wide	UA TV	TV	DVB-S2	2/3	30.000		Russian
	Wide	Dorcel TV	TV	DVB-S2	2/3	30.000	Conax/Irdeto 2/Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0	French,English,Spanish,Polish
	Wide	Shant Music	TV	DVB-S2	2/3	30.000		Armenian
	Wide	RTBF La Une	TV	DVB-S2	2/3	Y 30.000	Mediaguard 2/Nagravision 3/Viaccess 5.0	French
	Wide	RTBF La Deux	TV	DVB-S2	2/3	Y 30.000	Mediaguard 2/Nagravision 3/Viaccess 5.0	French
	Wide	RTBF La Trois	TV	DVB-S2	2/3	Y 30.000	Mediaguard 2/Nagravision 3/Viaccess 5.0	French
	Wide	HSE 24 Italia	TV	DVB-S2	2/3	30.000		Italian
	Wide	Cagnola	TV	DVB-S2	2/3	30.000		Italian
	Wide	Pure FM	radio	DVB-S2	2/3	30.000	Mediaguard 2/Nagravision 3/Viaccess 5.0	French
	Wide	Classic 21	radio	DVB-S2	2/3	30.000	Mediaguard 2/Nagravision 3/Viaccess 5.0	French
	Wide	VivaCité Bruxelles	radio	DVB-S2	2/3	30.000	Mediaguard 2/Nagravision 3/Viaccess 5.0	French
	Wide	Musiq'3	radio	DVB-S2	2/3	30.000	Mediaguard 2/Nagravision 3/Viaccess 5.0	French
	Wide	La Première	radio	DVB-S2	2/3	30.000	Mediaguard 2/Nagravision 3/Viaccess 5.0	French
	Wide	Mint	radio	DVB-S2	2/3	30.000	Mediaguard 2/Nagravision 3/Viaccess 5.0	French
	Wide	Bel RTL	radio	DVB-S2	2/3	30.000	Mediaguard 2/Nagravision 3/Viaccess 5.0	French
	Wide	Radio Contact	radio	DVB-S2	2/3	30.000	Mediaguard 2/Nagravision 3/Viaccess 5.0	French
10.992	V Wide	RAI	package	DVB-S	2/3	27.500		
	Wide	Rai 3 Friuli Venezia Giulia	TV	DVB-S	2/3	Y 27.500	Nagravision 3	Italian
	Wide	Rai 1	TV	DVB-S	2/3	Y 27.500		Italian
	Wide	Rai 2	TV	DVB-S	2/3	Y 27.500		Italian
	Wide	Rai 3	TV	DVB-S	2/3	Y 27.500		Italian
	Wide	Rai Radio 1	radio	DVB-S	2/3	27.500		Italian
	Wide	Rai Radio 2	radio	DVB-S	2/3	27.500		Italian
	Wide	Rai Radio 3	radio	DVB-S	2/3	27.500		Italian
11.013	H Wide	RAI	package	DVB-S2	3/4	29.900	Nagravision 3/Videoguard	
	Wide	Rai 5	TV	DVB-S2	3/4	29.900	Nagravision 3	Italian
	Wide	Rai Gulp	TV	DVB-S2	3/4	29.900	Nagravision 3	Italian
	Wide	Rai Yoyo	TV	DVB-S2	3/4	29.900	Nagravision 3	Italian
	Wide	Rai Scuola	TV	DVB-S2	3/4	29.900	Nagravision 3	Italian
	Wide	Rai 4	TV	DVB-S2	3/4	29.900	Nagravision 3/Videoguard	Italian
	Wide	Rai Premium	TV	DVB-S2	3/4	29.900	Nagravision 3	Italian
	Wide	Rai Movie	TV	DVB-S2	3/4	29.900	Nagravision 3	Italian
11.034	V Wide	Globecast	package	DVB-S	3/4	27.500		
	Wide	Algérie 5	TV	DVB-S	3/4	27.500		Arabic
	Wide	Algérie 4	TV	DVB-S	3/4	27.500		
	Wide	TNT International	TV	DVB-S	3/4	27.500		Russian
	Wide	Shanson TV Hotbird	TV	DVB-S	3/4	27.500		Russian
	Wide	2M Monde	TV	DVB-S	3/4	27.500		Arabic
	Wide	CGTN	TV	DVB-S	3/4	27.500		English
	Wide	STS International	TV	DVB-S	3/4	27.500		Russian
	Wide	RTR Planeta	TV	DVB-S	3/4	27.500		Russian
	Wide	Boutique TV	TV	DVB-S	3/4	27.500		Russian
	Wide	Rossiya 24	TV	DVB-S	3/4	27.500		Russian
	Wide	NTV Mir	TV	DVB-S	3/4	27.500		Russian
	Wide	Ganj e Hozour TV	TV	DVB-S	3/4	27.500		Farsi
	Wide	8 Kanal Evrope	TV	DVB-S	3/4	27.500		Russian
	Wide	Chaîne 1	radio	DVB-S	3/4	27.500		Arabic
	Wide	Chaîne 2	radio	DVB-S	3/4	27.500		Berber

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
11.137	Wide	Radio 2M	radio	DVB-S	3/4	27.500		
	H Wide	Arqiva	package	DVB-S	3/4	27.500		
	Wide	Bloomberg TV Europe	TV	DVB-S	3/4	27.500		English
	Wide	Aljazeera English	TV	DVB-S	3/4	27.500		English
	Wide	Aljazeera English	TV	DVB-S	3/4	27.500		English
	Wide	TV 5 Monde Europe	TV	DVB-S	3/4	27.500		French
	Wide	Crime + Investigation Polsat	TV	DVB-S	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	English,Polish
	Wide	Crime + Investigation Polsat	TV	DVB-S	3/4	27.500	Nagravision 3	English,Polish
	Wide	NHK World TV	TV	DVB-S	3/4	27.500		English
	Wide	GEM TV	TV	DVB-S	3/4	27.500		Farsi
11.158	V Wide	Manoto	TV	DVB-S	3/4	27.500		Farsi
	V Wide	Polsat	TV	DVB-S2	3/4	Y 27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Polsat Sport	TV	DVB-S2	3/4	27.500	Nagravision 3	Polish
	Wide	Polsat Sport Extra	TV	DVB-S2	3/4	27.500	Nagravision 3	Polish
	Wide	Polsat News 2	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Polsat Film	TV	DVB-S2	3/4	Y 27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Polsat	TV	DVB-S2	3/4	Y 27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Polsat Play	TV	DVB-S2	3/4	Y 27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Polsat Café	TV	DVB-S2	3/4	Y 27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Polsat Film	TV	DVB-S2	3/4	Y 27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
11.179	Wide	Polsat News	TV	DVB-S2	3/4	Y 27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Polsat 2	TV	DVB-S2	3/4	Y 27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Super Polsat	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	H Wide	Telespazio	package	DVB-S	3/4	27.500		
	Wide	CTV	TV	DVB-S	3/4	27.500		Arabic
	Wide	Marjaeyat TV Hotbird	TV	DVB-S	3/4	27.500		Farsi
	Wide	Alkarma TV Middle East 1	TV	DVB-S	3/4	27.500		Arabic
	Wide	Toheed TV	TV	DVB-S	3/4	27.500		Farsi
	Wide	TVP Polonia	TV	DVB-S	3/4	Y 27.500		Polish
	Wide	Juwelo Italia	TV	DVB-S	3/4	27.500		Italian
11.240	V Wide	Eutelsat	package	DVB-S	3/4	27.500		
	Wide	Noviy Mir	TV	DVB-S	3/4	27.500		Russian
	Wide	Eurosport 1	TV	DVB-S	3/4	Y 27.500	Irdeto 2/Viaccess 2.5/Viaccess 2.6/Viaccess 3.0/Viaccess 4.0/Viaccess 5.0/Videoguard	English,Greek,Dutch,Polish,Russian,Portuguese,Romanian,Czech,Hungarian,Bulgarian,Spanish,Italian,Croatian,Turkish,Serbian
	Wide	Eurosport 2 North-East	TV	DVB-S	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 2.6/Viaccess 3.0/Viaccess 4.0	English,Polish,Bulgarian,Serbian,Czech,Danish,Russian,Swedish,Hungarian,Romanian,Croatian,Dutch,Turkish
	Wide	Al Hayat	TV	DVB-S	3/4	27.500		Arabic
	V Wide	NC+	package	DVB-S2	3/4	27.500	Conax/Cryptoworks/Irdeto 2/Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0/Viaccess 5.0/Videoguard	
	Wide	Canal + Polska	TV	DVB-S2	3/4	Y 27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Eleven Sports 4 Polska	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Canal + Sport Polska	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	National Geographic Polska	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3	Polish,English
11.278	Wide	MiniMini +	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Eurosport 1	TV	DVB-S2	3/4	27.500	Conax/Cryptoworks/Irdeto 2/Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0/Viaccess 5.0/Videoguard	English,Turkish,Russian,Dutch,Czech,Croatian,German,Portuguese,Polish,Hungarian,Bulgarian,Italian,Romanian,Spanish,Serbian,Greek
	H Wide	IKO MG	package	DVB-S	5/6	27.500		
	Wide	Aryen TV	TV	DVB-S	5/6	27.500		Kurdish

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	CBC	TV	DVB-S	5/6	27.500		Azerbaijan
	Wide	Alhawza Alilmiyya TV	TV	DVB-S	5/6	27.500		Arabic
	Wide	Yemen TV	TV	DVB-S	5/6	27.500		Arabic
	Wide	RTVi Europe	TV	DVB-S	5/6	27.500	Viaccess 5.0	Russian
	Wide	Wesal Haq	TV	DVB-S	5/6	27.500		
	Wide	Radio Sana'a	radio	DVB-S	5/6	27.500		Arabic
	Wide	Kurdsat	TV	DVB-S	5/6	27.500		Kurdish
	Wide	Nour TV	TV	DVB-S	5/6	27.500		Arabic
	Wide	GK Channel	TV	DVB-S	5/6	27.500		Kurdish
	Wide	RTVI Arkhiv	TV	DVB-S	5/6	27.500		Russian
	Wide	Radio Kurdistan	radio	DVB-S	5/6	27.500		Kurdish
	Wide	Radio Javan TV	TV	DVB-S	5/6	27.500		Farsi
	Wide	Radio Eviva	radio	DVB-S	5/6	27.500		German
	Wide	Al Nabaa Channel	TV	DVB-S	5/6	27.500		Arabic
	Wide	RDK Radio	radio	DVB-S	5/6	27.500		
	Wide	Dengê Welat	radio	DVB-S	5/6	27.500		Kurdish
11.317	V Wide	MX1	package	DVB-S	3/4	27.500		
	Wide	Rûdaw	TV	DVB-S	3/4	27.500		Kurdish
	Wide	RT Arabic	TV	DVB-S	3/4	27.500		Arabic
	Wide	Rûdaw Radio	radio	DVB-S	3/4	27.500		Kurdish
11.334	H Wide	Arqiva	package	DVB-S	3/4	27.500		
	Wide	Armenia 1 TV Satellite	TV	DVB-S	3/4	27.500		Amharic
	Wide	Armenia TV Europe	TV	DVB-S	3/4	27.500		Amharic
	Wide	SBN International	TV	DVB-S	3/4	27.500		English
	Wide	RTP Internacional Europa	TV	DVB-S	3/4	27.500	Y	Portuguese
	Wide	Daystar TV	TV	DVB-S	3/4	27.500		English
	Wide	Public Radio of Armenia	radio	DVB-S	3/4	27.500		Amharic
	Wide	RDP Internacional	radio	DVB-S	3/4	27.500		Portuguese
	Wide	RDP Antena 1	radio	DVB-S	3/4	27.500		Portuguese
11.355	V Wide	Sky Italia	package	DVB-S	5/6	29.900	Videoguard	
	Wide	Comedy Central Italia	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	La 7	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	M2o TV	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	MTV Italia	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Radio Capital TiVù	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Nick Jr Italia	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	MTV Music Italia	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Class CNBC	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Discovery Travel & Living Italy	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Discovery Science	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	DMAX Italia +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	30 Songs	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Yesterjay '80	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Yesterjay '90	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Hit Italia	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Italian Vintage	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Capital '70	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	X Factor Radio	radio	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Vintage '60	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Vibe	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Yesterjay 2000	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Heart 'n Song	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Dance	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Ritmo Latino	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Capital Livetime	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Capital Rock Classic	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Relax	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Jazz & Fusion	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Jazz Gold	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Soul Train	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Extra Beat	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Sinfonia	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Opera	radio	DVB-S	5/6	29.900	Videoguard	
	Wide	Cinema Deejay	radio	DVB-S	5/6	29.900	Videoguard	



Freq	Beam		Analog	Diff	Fec		Symb of Rate	Acces	Lang
	Wide	Country	radio	DVB-S	5/6		29.900	Videoguard	
	Wide	Dolores O'Riordan	radio	DVB-S	5/6		29.900	Videoguard	
11.373	H Wide	unknown	package	DVB-S2	3/4		27.500		
	Wide	Iran International	TV	DVB-S2	3/4		27.500		Farsi
	Wide	Top Calcio 24	TV	DVB-S2	3/4		27.500		Italian
11.393	V Wide	TVN	package	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	
	Wide	TVN	TV	DVB-S2	3/4	Y	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Polo TV	TV	DVB-S2	3/4		27.500		Polish
	Wide	8TV	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Mango 24	TV	DVB-S2	3/4	Y	27.500		Polish
	Wide	Nuta TV	TV	DVB-S2	3/4		27.500		Polish
	Wide	Fokus TV	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Puls 2	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	NTL	TV	DVB-S2	3/4		27.500		Polish
	Wide	Food Network EMEA	TV	DVB-S2	3/4		27.500	Conax	English,Czech,Hungarian ,Turkish,Bulgarian
	Wide	Nowa TV	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Eska TV Extra	TV	DVB-S2	3/4		27.500		Polish
	Wide	Fine Living	TV	DVB-S2	3/4		27.500	Conax	English,Czech,Hungarian ,Russian
	Wide	Power TV	TV	DVB-S2	3/4		27.500		Polish
	Wide	To!TV	TV	DVB-S2	3/4		27.500		Polish
	Wide	Adventure	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
11.411	H Wide	NC+	package	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	
	Wide	Canal + Film	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Canal + Family Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Teletoon + HD Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Planete + Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Kuchnia +	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Ale Kino +	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Canal + Seriale	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
11.449	H Wide	NC+	package	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	
	Wide	Canal + Discovery	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Investigation Discovery Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish,English
	Wide	DTX Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	AMC Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Food Network EMEA	TV	DVB-S2	3/4		27.500	Conax	English,Czech,Hungarian ,Bulgarian
	Wide	Discovery Channel Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Fine Living	TV	DVB-S2	3/4		27.500	Conax	English,Czech,Hungarian ,Russian
	Wide	N Sport +	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	TVP 1	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Romance TV Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	VOD	TV	DVB-S2	3/4		27.500	Conax	Polish,English
11.488	H Wide	NC+	package	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 2.6/Viaccess 3.0	
	Wide	Canal + »1	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Canal + Sport 2 Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	Domo +	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Fight Klub	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3	Polish
	Wide	Fox Polska	TV	DVB-S2	3/4	27.500	Mediaguard 2/Nagravision 3	Polish,English
	Wide	Radio Tok FM	radio	DVB-S2	3/4	27.500		Polish
	Wide	Melo Radio	radio	DVB-S2	3/4	27.500	Mediaguard 2	Polish
	Wide	Muzo FM	radio	DVB-S2	3/4	27.500	Mediaguard 2	Polish
	Wide	Antyradio	radio	DVB-S2	3/4	27.500	Mediaguard 2	Polish
	Wide	Radio Jasna Góra	radio	DVB-S2	3/4	27.500		Polish
	Wide	Polskie Radio 24	radio	DVB-S2	3/4	27.500		Polish
	Wide	Polskie Radio Jedynka	radio	DVB-S2	3/4	27.500		Polish
	Wide	Polskie Radio Dwójka	radio	DVB-S2	3/4	27.500		Polish
	Wide	Polskie Radio Trójka	radio	DVB-S2	3/4	27.500		Polish
	Wide	Radio Poland	radio	DVB-S2	3/4	27.500		Polish
11.508	V Wide	TVN	package	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	
	Wide	TVN	TV	DVB-S2	3/4	Y 27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	TVN Style	TV	DVB-S2	3/4	Y 27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	TVN Turbo	TV	DVB-S2	3/4	Y 27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	TVN 24	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3	Polish
	Wide	TVN 7	TV	DVB-S2	3/4	Y 27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	TVN Fabula	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	TTV	TV	DVB-S2	3/4	27.500	Conax/Nagravision 3/Viaccess 3.0	Polish
	Wide	Travel Channel Europe	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
	Wide	Food Network Polska	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3/Viaccess 3.0	Polish
11.526	H Wide	SRG SSR	package	DVB-S2	2/3	29.700	Viaccess 2.6/Viaccess 4.0/Viaccess 5.0	
	Wide	RSI La 1	TV	DVB-S2	2/3	Y 29.700	Viaccess 2.6/Viaccess 4.0/Viaccess 5.0	Italian,English
	Wide	RSI La 2	TV	DVB-S2	2/3	Y 29.700	Viaccess 2.6/Viaccess 4.0/Viaccess 5.0	Italian,English
	Wide	SRF Info	TV	DVB-S2	2/3	Y 29.700		German
	Wide	Radio SRF 1	radio	DVB-S2	2/3	29.700		German
	Wide	Radio SRF 2 Kultur	radio	DVB-S2	2/3	29.700		German
	Wide	Radio SRF 3	radio	DVB-S2	2/3	29.700		German
	Wide	Radio SRF Virus	radio	DVB-S2	2/3	29.700		German
	Wide	Radio SRF Musikwelle	radio	DVB-S2	2/3	29.700		German
	Wide	Radio Rumantsch	radio	DVB-S2	2/3	29.700		Romany
	Wide	RTS La 1ère	radio	DVB-S2	2/3	29.700		French
	Wide	RTS Espace 2	radio	DVB-S2	2/3	29.700		French
	Wide	RTS Couleur 3	radio	DVB-S2	2/3	29.700		French
	Wide	RTS Option Musique	radio	DVB-S2	2/3	29.700		French
	Wide	RSI Rete Uno	radio	DVB-S2	2/3	29.700		Italian
	Wide	RSI Rete Due	radio	DVB-S2	2/3	29.700		Italian
	Wide	RSI Rete Tre	radio	DVB-S2	2/3	29.700		Italian
	Wide	Radio Swiss Classic Deutsch	radio	DVB-S2	2/3	29.700		German
	Wide	Radio Swiss Pop	radio	DVB-S2	2/3	29.700		German
	Wide	Radio Swiss Jazz	radio	DVB-S2	2/3	29.700		German
	Wide	Radio SRF 4 News	radio	DVB-S2	2/3	29.700		German
	Wide	Radio Swiss Classic Français	radio	DVB-S2	2/3	29.700		French
	Wide	Radio SRF 1 Aargau Solothurn	radio	DVB-S2	2/3	29.700		German
	Wide	Radio SRF 1 Basel Baselland	radio	DVB-S2	2/3	29.700		German
	Wide	Radio SRF 1 Bern Freiburg Wallis	radio	DVB-S2	2/3	29.700		German
	Wide	Radio SRF 1 Zentralschweiz	radio	DVB-S2	2/3	29.700		German
	Wide	Radio SRF 1 Ostschweiz	radio	DVB-S2	2/3	29.700		German
	Wide	Radio SRF 1 Zürich Schaffhausen	radio	DVB-S2	2/3	29.700		German
	Wide	Radio SRF 1 Graubünden	radio	DVB-S2	2/3	29.700		German
	Wide	Radio Swiss Classic Italiano	radio	DVB-S2	2/3	29.700		Italian
11.585	V Wide	CCTV	package	DVB-S2	5/6	27.500		
	Wide	CCTV 4 Europe	TV	DVB-S2	5/6	27.500		Chinese
	Wide	CGTN	TV	DVB-S2	5/6	27.500		English
	Wide	CGTN Documentary	TV	DVB-S2	5/6	27.500		English

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	CGTN Español	TV	DVB-S2	5/6	27.500		Spanish
	Wide	CGTN Français	TV	DVB-S2	5/6	27.500		French
11.642	H Wide	M-Three satcom	package	DVB-S2	3/4	27.500		
	Wide	QVC Italia	TV	DVB-S2	3/4	27.500		Italian
	Wide	RTL 102.5 RadioVisione	TV	DVB-S2	3/4	27.500		Italian
	Wide	Radio Freccia TV	TV	DVB-S2	3/4	27.500		Italian
	Wide	I24 News Français	TV	DVB-S2	3/4	27.500		French
	Wide	I24 News English	TV	DVB-S2	3/4	27.500		English
	Wide	Radionorba TV	TV	DVB-S2	3/4	27.500		Italian
	Wide	KBS World	TV	DVB-S2	3/4	27.500		Korean
	Wide	HRT 5	TV	DVB-S2	3/4	27.500		Croatian
	Wide	Tesory Channel	TV	DVB-S2	3/4	27.500		Italian
	Wide	Kurdistan TV	TV	DVB-S2	3/4	27.500		Kurdish
	Wide	Daystar TV	TV	DVB-S2	3/4	27.500		English
	Wide	Bethel TV	TV	DVB-S2	3/4	27.500		Spanish
	Wide	Radio Zeta Radiovisione	TV	DVB-S2	3/4	27.500		Italian
11.662	V Wide	Glas Hrvatske	radio	DVB-S2	3/4	27.500		Croatian
	Wide	Telespazio	package	DVB-S2	3/4	27.500		
	Wide	Blue Hustler Europe	TV	DVB-S2	3/4	27.500	Conax/Mediaguard 2/Nagravision 3	English
	Wide	Redlight HD	TV	DVB-S2	3/4	27.500	Conax/Irdeto 2/Mediaguard 2/Nagravision 3/Prowill/SkyPilot/Viaccess 4.0/Viaccess 5.0	English
	Wide	Hustler HD Europe	TV	DVB-S2	3/4	27.500	Conax/Irdeto 2/Mediaguard 2/Nagravision 3/Prowill/SkyPilot/Viaccess 4.0/Viaccess 5.0	English
	Wide	Private TV	TV	DVB-S2	3/4	27.500	Conax/Irdeto 2/Mediaguard 2/Nagravision 3/Prowill/SkyPilot/Viaccess 4.0/Viaccess 5.0	English
	Wide	GoldBet League	TV	DVB-S2	3/4	27.500		Italian
	Wide	GoldBet Racing	TV	DVB-S2	3/4	27.500		Italian
	Wide	Racing Dogs	TV	DVB-S2	3/4	27.500	Conax	English
	Wide	Racing Horse	TV	DVB-S2	3/4	27.500	Conax	English
	Wide	Water Planet	TV	DVB-S2	3/4	27.500	Nagravision 3	Polish
	Wide	Novela TV	TV	DVB-S2	3/4	27.500	Nagravision 3	Polish
	Wide	Radio Italia TV	TV	DVB-S2	3/4	27.500		Italian
	Wide	TVR International	TV	DVB-S2	3/4	Y 27.500		Romanian
	Wide	Unire Sat	TV	DVB-S2	3/4	27.500		Italian
	Wide	TeF Channel	TV	DVB-S2	3/4	27.500		Italian
	Wide	MTA 2	TV	DVB-S2	3/4	27.500		Hindi,Urdu,English,French,German,Arabic,Bengali
	Wide	Reteconomy	TV	DVB-S2	3/4	27.500		Italian
	Wide	TVA Vicenza	TV	DVB-S2	3/4	27.500		Italian
11.747	H Wide	Du	package	DVB-S	3/4	27.500		
	Wide	Al Arabiya	TV	DVB-S	3/4	27.500		Arabic
	Wide	Sky News Arabia	TV	DVB-S	3/4	27.500		Arabic
	Wide	Sharjah TV	TV	DVB-S	3/4	27.500		Arabic
	Wide	Abu Dhabi Sports 1	TV	DVB-S	3/4	27.500		Arabic,English
	Wide	Orient News	TV	DVB-S	3/4	27.500		Arabic
	Wide	Yas TV	TV	DVB-S	3/4	27.500		Arabic,English
	Wide	Zad TV	TV	DVB-S	3/4	27.500		Arabic
	Wide	Orient News Radio	radio	DVB-S	3/4	27.500		Arabic
	Wide	Sharjah Radio	radio	DVB-S	3/4	27.500		Arabic
11.766	V Wide	RAI	package	DVB-S2	3/4	29.900	Nagravision 3	
	Wide	Rai 1	TV	DVB-S2	3/4	29.900	Nagravision 3	Italian
	Wide	Rai 2	TV	DVB-S2	3/4	Y 29.900	Nagravision 3	Italian
	Wide	Rai 3	TV	DVB-S2	3/4	Y 29.900	Nagravision 3	Italian
	Wide	Rai Sport + HD	TV	DVB-S2	3/4	29.900	Nagravision 3	Italian
	Wide	Rai News 24	TV	DVB-S2	3/4	29.900	Nagravision 3	Italian
	Wide	Rai Storia	TV	DVB-S2	3/4	29.900	Nagravision 3	Italian
11.804	V Wide	RAI	package	DVB-S	3/4	27.500		
	Wide	Camera dei Deputati	TV	DVB-S	3/4	27.500		Italian
	Wide	Uninettuno University TV	TV	DVB-S	3/4	27.500		Italian
	Wide	Senato TV	TV	DVB-S	3/4	27.500		Italian
	Wide	Rai Radio 1	radio	DVB-S	3/4	27.500		Italian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	Rai Radio 2	radio	DVB-S	3/4	27.500		Italian
	Wide	Rai Radio 3	radio	DVB-S	3/4	27.500		Italian
	Wide	Rai Radio 5 Classica	radio	DVB-S	3/4	27.500		Italian
	Wide	Rai Gr Parlamento	radio	DVB-S	3/4	27.500		Italian
	Wide	Rai Isoradio	radio	DVB-S	3/4	27.500		Italian
11.919	V Wide	Mediaset	package	DVB-S	5/6	29.900	Nagravision 3	
	Wide	Italia 1	TV	DVB-S	5/6	Y 29.900	Nagravision 3	Italian
	Wide	Canale 5	TV	DVB-S	5/6	Y 29.900	Nagravision 3	Italian
	Wide	Rete 4	TV	DVB-S	5/6	Y 29.900	Nagravision 3	Italian
	Wide	Boing Italia	TV	DVB-S	5/6	29.900	Nagravision 3	Italian
	Wide	La 5	TV	DVB-S	5/6	29.900	Nagravision 3	Italian
	Wide	TGCom 24	TV	DVB-S	5/6	Y 29.900		Italian
	Wide	Mediaset Extra	TV	DVB-S	5/6	29.900	Nagravision 3	Italian
	Wide	Mediaset Italia 2	TV	DVB-S	5/6	29.900	Nagravision 3	Italian
	Wide	Cartoonito Italia	TV	DVB-S	5/6	29.900	Nagravision 3	Italian
	Wide	La 7	TV	DVB-S	5/6	29.900	Nagravision 3	Italian
	Wide	La 7 d	TV	DVB-S	5/6	29.900	Nagravision 3	Italian
	Wide	R101	radio	DVB-S	5/6	29.900		Italian
	Wide	RMC FM	radio	DVB-S	5/6	29.900		Italian
	Wide	RMC 2	radio	DVB-S	5/6	29.900		Italian
	Wide	Radio 105	radio	DVB-S	5/6	29.900		Italian
	Wide	Virgin Radio Italia	radio	DVB-S	5/6	29.900		Italian
12.111	V Wide	Telespazio	package	DVB-S	3/4	27.500		
	Wide	Mekameleen TV	TV	DVB-S	3/4	27.500		Arabic
	Wide	Aljazeera Documentary	TV	DVB-S	3/4	27.500		Arabic
	Wide	Aljazeera Mubasher	TV	DVB-S	3/4	27.500		Arabic
	Wide	Aljazeera Channel	TV	DVB-S	3/4	27.500		Arabic
	Wide	Sender Neu Jerusalem	TV	DVB-S	3/4	27.500		German
	Wide	Al Mayadeen TV	TV	DVB-S	3/4	27.500		Arabic
	Wide	Radio Maria Italia	radio	DVB-S	3/4	27.500		Italian
	Wide	Radio Dimensione Suono	radio	DVB-S	3/4	27.500		Italian
	Wide	Dimensione Suono Roma	radio	DVB-S	3/4	27.500		Italian
	Wide	Radio Italia Anni 60	radio	DVB-S	3/4	27.500		Italian
	Wide	Radio Italia	radio	DVB-S	3/4	27.500		Italian
	Wide	Radio Padre Pio	radio	DVB-S	3/4	27.500		Italian
	Wide	Radio EuroSpin	radio	DVB-S	3/4	27.500		Italian
	Wide	Dimensione Suono Soft	radio	DVB-S	3/4	27.500		Italian
	Wide	Radio Radicale	radio	DVB-S	3/4	27.500		Italian
	Wide	RIK Tritto	radio	DVB-S	3/4	27.500		Greek
12.539	H Wide	unknown	package	DVB-S2	5/6	30.000		
	Wide	FTV UHD	TV	DVB-S2	5/6	30.000		
	Wide	Eutelsat 4K1	TV	DVB-S2	5/6	30.000		English
	Wide	Love Nature	TV	DVB-S2	5/6	30.000	Viaccess	English,Spanish,Portuguese,Chinese
12.558	V Wide	Telespazio	package	DVB-S	3/4	27.500		
	Wide	Thaqalayn TV	TV	DVB-S	3/4	27.500		Arabic
	Wide	Hodhod Arabic TV Europe	TV	DVB-S	3/4	27.500		Arabic
	Wide	Hodhod Farsi TV	TV	DVB-S	3/4	27.500		Farsi
	Wide	Hadi TV 3	TV	DVB-S	3/4	27.500		
	Wide	Hadi TV 4	TV	DVB-S	3/4	27.500		
	Wide	Dua Channel	TV	DVB-S	3/4	27.500		
	Wide	Jeem TV Europe	TV	DVB-S	3/4	27.500		Arabic
	Wide	Baraem 2	TV	DVB-S	3/4	27.500		Arabic
	Wide	Hodhod Arabic TV	TV	DVB-S	3/4	27.500		Arabic
12.616	H Wide	Sky Italia	package	DVB-S	5/6	29.900	Nagravision 3/Videoguard	
	Wide	Deejay TV	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	MyDeejay TV	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Class TV Moda	TV	DVB-S	5/6	29.900		Italian
	Wide	Baby TV Europe	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	DeA Junior	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	DMAX Italia	TV	DVB-S	5/6	29.900	Nagravision 3/Videoguard	Italian
	Wide	Nickelodeon Italia	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Discovery Channel Italia +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Boomerang Italia +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Cartoon Network Italia +1	TV	DVB-S	5/6	29.900	Videoguard	Italian

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang	
12.635	V Wide	Mosaico Bambini	TV	DVB-S	5/6		29.900	Videoguard	Italian	
	V Wide	Fox Animation	TV	DVB-S	5/6		29.900	Videoguard	Italian	
	V Wide	Fox Comedy Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian	
	V Wide	Disney Channel Italia +1	TV	DVB-S	5/6		29.900	Videoguard	Italian	
	V Wide	Disney XD Italia +2	TV	DVB-S	5/6		29.900	Videoguard	Italian	
	V Wide	Animal Planet Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian	
	V Wide	Frisbee	TV	DVB-S	5/6		29.900	Videoguard	Italian	
	V Wide	Class Horse TV	TV	DVB-S	5/6		29.900		Italian	
	V Wide	Disney XD Italia +1	TV	DVB-S	5/6		29.900	Videoguard	Italian	
	V Wide	Disney in English	TV	DVB-S	5/6		29.900	Videoguard	English	
	V Wide	Inter Channel	TV	DVB-S	5/6		29.900	Videoguard	Italian	
	V Wide	DeA Kids	TV	DVB-S	5/6		29.900	Videoguard	Italian	
	V Wide	K2	TV	DVB-S	5/6		29.900	Videoguard	Italian	
	V Wide	Cartoon Network Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian	
12.654	H Wide	Arabsat	package	DVB-S	5/6		27.500			
	H Wide	Qatar TV	TV	DVB-S	5/6		27.500		Arabic	
	H Wide	Saudi TV	TV	DVB-S	5/6		27.500		Arabic	
	H Wide	Iqraa Arabic	TV	DVB-S	5/6		27.500		Arabic	
	H Wide	Sudan TV	TV	DVB-S	5/6		27.500		Arabic	
	H Wide	Oman TV	TV	DVB-S	5/6		27.500		Arabic	
	H Wide	Al Masriyah	TV	DVB-S	5/6		27.500		Arabic	
	H Wide	Al-Iraqiya News	TV	DVB-S	5/6		27.500		Arabic	
	H Wide	Jordan TV	TV	DVB-S	5/6		27.500		Arabic	
	H Wide	Quran TV	TV	DVB-S	5/6		27.500		Arabic	
	H Wide	Tayba TV	TV	DVB-S	5/6		27.500		Arabic	
	H Wide	Qatar Radio	radio	DVB-S	5/6		27.500		Arabic	
	H Wide	Riyadh Radio	radio	DVB-S	5/6		27.500		Arabic	
	H Wide	Saudia Radio	radio	DVB-S	5/6		27.500		Arabic	
	H Wide	El-Quran El-Karim	radio	DVB-S	5/6		27.500		Arabic	
	H Wide	Sudan Radio	radio	DVB-S	5/6		27.500		Arabic	
	H Wide	Holy Quran Radio	radio	DVB-S	5/6		27.500		Arabic	
	H Wide	Radio Oman	radio	DVB-S	5/6		27.500		Arabic	
	H Wide	Radio Oman FM	radio	DVB-S	5/6		27.500		English	
	H Wide	El-Bernameg Al-Aam	radio	DVB-S	5/6		27.500		Arabic	
	H Wide	Al-Shabab	radio	DVB-S	5/6		27.500		Arabic	
	H Wide	Radio Iraqia	radio	DVB-S	5/6		27.500		Arabic	
	H Wide	Sout Al-Arab	radio	DVB-S	5/6		27.500		Arabic	
	H Wide	Holy Quran Radio	radio	DVB-S	5/6		27.500		Arabic	
	H Wide	Republic of Iraq Radio	radio	DVB-S	5/6		27.500		Arabic	
	H Wide	Radio Jordan	radio	DVB-S	5/6		27.500		Arabic	
	12.692	H Wide	AB Sat	package	DVB-S2	3/4		27.500	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0/Viaccess 5.0	
		H Wide	AB 1	TV	DVB-S2	3/4	Y	27.500	Mediaguard 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	French
H Wide		Animaux	TV	DVB-S2	3/4		27.500	Mediaguard 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	French,Turkish,English	
H Wide		Chasse & Pêche	TV	DVB-S2	3/4	Y	27.500	Mediaguard 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	French,Turkish,Bulgarian,Russian	
H Wide		Crime District	TV	DVB-S2	3/4		27.500	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0/Viaccess 5.0	French	
H Wide		Toute l'Histoire	TV	DVB-S2	3/4	Y	27.500	Mediaguard 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	French	
H Wide		Mangas	TV	DVB-S2	3/4	Y	27.500	Mediaguard 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	French	
H Wide		Téva	TV	DVB-S2	3/4		27.500	Viaccess 4.0	French	
H Wide		Golf Channel France	TV	DVB-S2	3/4		27.500	Mediaguard 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	French	
H Wide		BFM TV	TV	DVB-S2	3/4		27.500		French	
H Wide		C Star	TV	DVB-S2	3/4	Y	27.500	Mediaguard 2/Nagravision 3/Viaccess 4.0	French	
H Wide		Gulli	TV	DVB-S2	3/4	Y	27.500	Mediaguard 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	French	
H Wide		France Ô	TV	DVB-S2	3/4		27.500	Mediaguard 2/Nagravision 3/Viaccess 4.0/Viaccess 5.0	French	
H Wide		Game One	TV	DVB-S2	3/4		27.500	Viaccess 4.0	French	
12.713	V Wide	Sky Italia	package	DVB-S	5/6		29.900	Videoguard		
	V Wide	Sky Primafila 10	TV	DVB-S	5/6		29.900	Videoguard	Italian	

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	Sky Primafila 12	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 14	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	TeenNick Italia	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 8	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 27	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 23	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 25	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 26	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Nat Geo Wild Italia +1	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 24	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Man-Ga	TV	DVB-S	5/6	29.900	Videoguard	Italian
12.731	H Wide	Lei +1	TV	DVB-S	5/6	29.900	Videoguard	Italian

### EUTELSAT HOT BIRD 13E

10.775	H Wide	Central Asia TV	TV	DVB-S	5/6	27.500		Russian
	Wide	IRT	TV	DVB-S	5/6	27.500		Russian
	Wide	National Geographic Farsi	TV	DVB-S	5/6	27.500		Farsi
	Wide	Mrap TV	TV	DVB-S	5/6	27.500		
	Wide	Iran TV Network	TV	DVB-S	5/6	27.500		Farsi
	Wide	Beitol Abbas	TV	DVB-S	5/6	27.500		Arabic
	Wide	4U TV	TV	DVB-S	5/6	27.500		Farsi
	Wide	Discovery Home & Health Farsi	TV	DVB-S	5/6	27.500		Farsi
	Wide	Face 1 Persia	TV	DVB-S	5/6	27.500		Farsi
	Wide	Cama 1	TV	DVB-S	5/6	27.500		
	Wide	Merci TV Network	TV	DVB-S	5/6	27.500		Farsi
	Wide	Cama 3	TV	DVB-S	5/6	27.500		
	Wide	Extreme Sports	TV	DVB-S	5/6	27.500		

### EUTELSAT 16A

10.721	H Europe B	OiV	package	DVB-S	3/4	27.500		
	Europe B	HRT 1	TV	DVB-S	3/4	Y 27.500		Croatian
	Europe B	HRT 2	TV	DVB-S	3/4	Y 27.500	Viaccess 2.5/Viaccess 3.0	Croatian
	Europe B	HRT 3	TV	DVB-S	3/4	Y 27.500	Viaccess 2.5/Viaccess 3.0	Croatian
	Europe B	HRT 4	TV	DVB-S	3/4	Y 27.500		Croatian
	Europe B	HRT 5	TV	DVB-S	3/4	27.500		Croatian
	Europe B	TV Slovenija 1	TV	DVB-S	3/4	Y 27.500		Slovenian
	Europe B	TV Slovenija 2	TV	DVB-S	3/4	Y 27.500		Slovenian
	Europe B	TV Slovenija 3	TV	DVB-S	3/4	Y 27.500		Slovenian
	Europe B	HR Prvi program	radio	DVB-S	3/4	27.500		Croatian
	Europe B	HR Drugi program	radio	DVB-S	3/4	27.500		Croatian
	Europe B	HR Treci program	radio	DVB-S	3/4	27.500		Croatian
	Europe B	Glas Hrvatske	radio	DVB-S	3/4	27.500		Croatian
	Europe B	HR Radio Pula	radio	DVB-S	3/4	27.500		Croatian
	Europe B	Hrvatski Katolicki Radio	radio	DVB-S	3/4	27.500		Croatian
	Europe B	Prvi	radio	DVB-S	3/4	27.500		Slovenian
	Europe B	Val 202	radio	DVB-S	3/4	27.500		Slovenian
	Europe B	Ars	radio	DVB-S	3/4	27.500		Slovenian
	Europe B	Radio Si	radio	DVB-S	3/4	27.500		
10.762	H Europe B	DigitAlb	package	DVB-S2	3/5	30.000	Conax	
	Europe B	RTK 1	TV	DVB-S2	3/5	30.000		Albanian
	Europe B	Top News	TV	DVB-S2	3/5	30.000		Albanian
	Europe B	Bang Bang	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	Explorer Shkencë	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	Film Aksion	TV	DVB-S2	3/5	30.000	Conax	English
	Europe B	Film Komedi	TV	DVB-S2	3/5	30.000	Conax	English
	Europe B	RTV 21 Sat	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	Kohavision	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	Stinët	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	TV 21 Macedonia	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	RTSH 1	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	News 24	TV	DVB-S2	3/5	Y 30.000	Conax	Albanian
	Europe B	X1	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	TV Dukagjini	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	BCTV Europe	TV	DVB-S2	3/5	30.000		Albanian
	Europe B	Ora News	TV	DVB-S2	3/5	30.000	Conax	Albanian

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Europe B	T	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	SuperSport 7	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	Top Albania Radio	radio	DVB-S2	3/5		30.000		Albanian
	Europe B	Top Gold	radio	DVB-S2	3/5		30.000		Albanian
	Europe B	City Radio	TV	DVB-S2	3/5		30.000		Albanian
10.804	H Europe B	DigitAlb	package	DVB-S2	2/3		29.950	Conax	
	Europe B	Top Channel	TV	DVB-S2	2/3	Y	29.950	Conax	Albanian
	Sub-Sahara Africa	CMR 7 TV	TV	DVB-S2	2/3		30.000		
	Europe B	TV Klan	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Europe B	SuperSport 5	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Europe B	SuperSport 6	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Europe B	Junior TV	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Europe B	Çufo	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Sub-Sahara Africa	Sikka TV	TV	DVB-S2	3/4		30.000		French
	Europe B	My Music	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Europe B	Explorer Natyra	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Europe B	Explorer Histori	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Europe B	Tema TV	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Europe B	Film Autor	TV	DVB-S2	2/3		29.950	Conax	English
	Europe B	Film Hits	TV	DVB-S2	2/3		29.950	Conax	English
	Europe B	Film Thriller	TV	DVB-S2	2/3		29.950	Conax	English,Italian
	Europe B	Film Dramë	TV	DVB-S2	2/3		29.950	Conax	English,Italian
	Europe B	Klan Kosova	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Europe B	ABC News	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Europe B	Melody	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Europe B	X2	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Europe B	Radio Klan	radio	DVB-S2	2/3		29.950		Albanian
	Europe B	My Music Radio	radio	DVB-S2	2/3		29.950		Albanian
	Europe B	Radio Travel	radio	DVB-S2	2/3		29.950		Albanian
	Europe B	NRG Radio Albania	radio	DVB-S2	2/3		29.950		Albanian
10.845	H Europe B	DigitAlb	package	DVB-S2	3/5		30.000	Conax	
	South East Africa	Canal Réunion	package	DVB-S2	?		30.000	Mediaguard 2	
	Europe B	UTV News	TV	DVB-S2	3/5		30.000	Conax	Albanian
	South East Africa	Canal + Sport Réunion	TV	DVB-S2	?		30.000	Mediaguard 2	French
	Europe B	Rrokum TV	TV	DVB-S2	3/5		30.000	Conax	Albanian
	South East Africa	Canal + Séries	TV	DVB-S2	?		30.000	Mediaguard 2	French
	Europe B	DigitAlb promo	TV	DVB-S2	3/5		30.000		Albanian
	South East Africa	Canal + Réunion	TV	DVB-S2	?		30.000	Mediaguard 2	French
	Europe B	City TV	TV	DVB-S2	3/5		30.000	Conax	Albanian
	South East Africa	TF 1	TV	DVB-S2	?		30.000	Mediaguard 2	French
	Europe B	Scan	TV	DVB-S2	3/5		30.000	Conax	Albanian
	South East Africa	M6	TV	DVB-S2	?		30.000	Mediaguard 2	French
	Europe B	Baby TV Europe	TV	DVB-S2	3/5		30.000	Conax	English
	South East Africa	Paramount Channel France	TV	DVB-S2	?		30.000	Mediaguard 2	French
	Europe B	Film Një HD	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	In TV	TV	DVB-S2	3/5		30.000	Conax	Albanian
	South East Africa	Viva	TV	DVB-S2	?		30.000	Mediaguard 2	
	Europe B	Film Dy HD	TV	DVB-S2	3/5		30.000	Conax	Albanian
	South East Africa	Zing UK	TV	DVB-S2	?		30.000	Mediaguard 2	Hindi
	Europe B	Plus HD	TV	DVB-S2	3/5		30.000	Conax	Albanian
	South East Africa	Zee Tamizh	TV	DVB-S2	?		30.000	Mediaguard 2	Tamil
	Europe B	SuperSport 1	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	SuperSport 2	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	SuperSport 3	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	Travel Channel Europe	TV	DVB-S2	3/5		30.000	Conax	English
	Europe B	SuperSport 4	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	Star Plus	TV	DVB-S2	3/5		30.000	Conax	Albanian

Freq	Beam		Analog	Diff	Fec	Symb of Rate	Acces	Lang
10.887	Europe B	Top News	TV	DVB-S2	3/5	30.000		Albanian
	H Europe B	DigitAlb	package	DVB-S2	3/5	30.000	Conax	
	South East Africa	Canal Réunion	package	DVB-S2	?	30.000	Mediaguard 2	
	Europe B	National Geographic Channel HD Europe	TV	DVB-S2	3/5	30.000	Conax/Videoguard	English
	South East Africa	Canal + Cinéma Réunion	TV	DVB-S2	?	30.000	Mediaguard 2	French
	Europe B	Discovery Showcase HD	TV	DVB-S2	3/5	30.000	Conax	English,Czech
	South East Africa	Canal + Family France	TV	DVB-S2	?	30.000	Mediaguard 2	French
	Europe B	STV Folk	TV	DVB-S2	3/5	30.000	Conax	Albanian
	South East Africa	Eurosport 1 France	TV	DVB-S2	?	30.000	Mediaguard 2	French
	Europe B	MTV Live HD	TV	DVB-S2	3/5	30.000	Conax	English
	South East Africa	Cine + Premier	TV	DVB-S2	?	30.000	Mediaguard 2	French
	Europe B	Dorcel XXX	TV	DVB-S2	3/5	30.000	Conax	French
	South East Africa	National Geographic France	TV	DVB-S2	?	30.000	Mediaguard 2	French
	Europe B	Stars XXX TV	TV	DVB-S2	3/5	30.000	Conax	English,French
	South East Africa	Disney Cinema	TV	DVB-S2	?	30.000	Mediaguard 2	French
	Europe B	24 Kitchen Srbija	TV	DVB-S2	3/5	30.000	Conax	English
	South East Africa	Dorcel TV	TV	DVB-S2	?	30.000	Mediaguard 2	French
	Europe B	Fox Srbija	TV	DVB-S2	3/5	30.000	Conax	Serbian
	South East Africa	BeIn Sports 1	TV	DVB-S2	?	30.000	Mediaguard 2	French
	Europe B	DTX East Europe	TV	DVB-S2	3/5	30.000	Conax/Videoguard	English
	Europe B	Comedy Central Extra Central Europe	TV	DVB-S2	3/5	30.000	Conax	English
	Europe B	Fox Life Regional	TV	DVB-S2	3/5	30.000	Conax	English
	Europe B	Disney Channel Balkans	TV	DVB-S2	3/5	30.000	Conax/Videoguard	English
	Europe B	Alsac-M	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	Supersonic TV	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	A1 Report!	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	Folklorit	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	First Channel	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	Tribuna Channel	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	Discovery Channel Bulgaria	TV	DVB-S2	3/5	30.000	Conax	Bulgarian
Europe B	Animal Planet Europe	TV	DVB-S2	3/5	30.000	Conax	English,Bulgarian,Czech	
Europe B	Discovery Science	TV	DVB-S2	3/5	30.000	Conax	English,Bulgarian,Czech	
10.928	H South East Africa	Parabole Réunion	package	DVB-S2	8/9	30.000	Mediaguard 2/Nagravision/Viaccess 2.3/Viaccess 2.5	
Europe B	Ginx eSports TV International	TV	DVB-S2	3/5	30.000	Conax	English	
South East Africa	Télé Kréol	TV	DVB-S2	8/9	30.000	Viaccess 2.3/Viaccess 2.5		
South East Africa	Toonami Africa	TV	DVB-S2	8/9	30.000	Viaccess 2.3/Viaccess 2.5	French	
Europe B	Folx	TV	DVB-S2	3/5	30.000		German	
South East Africa	Téva	TV	DVB-S2	8/9	30.000	Viaccess 2.3/Viaccess 2.5	French	
Europe B	Fix & Foxi	TV	DVB-S2	3/5	30.000	Conax	Bulgarian	
South East Africa	W9	TV	DVB-S2	8/9	30.000	Viaccess 2.3/Viaccess 2.5	French	
Europe B	Kerrang!	TV	DVB-S2	3/5	30.000	Conax	English	
South East Africa	TMC	TV	DVB-S2	8/9	30.000	Viaccess 2.3/Viaccess 2.5	French	
Europe B	Kiss TV	TV	DVB-S2	3/5	30.000	Conax	English	
South East Africa	Cine + Classic	TV	DVB-S2	8/9	30.000	Viaccess 2.3/Viaccess 2.5	French	
Europe B	Magic TV	TV	DVB-S2	3/5	30.000	Conax	English	
South East Africa	CNN International	TV	DVB-S2	8/9	30.000	Viaccess 2.3/Viaccess 2.5	English	
Europe B	Box Hits	TV	DVB-S2	3/5	30.000	Conax	English	
South East Africa	OCS City	TV	DVB-S2	8/9	30.000	Viaccess 2.3/Viaccess 2.5	French	
South East Africa	BeIn Sports 2	TV	DVB-S2	8/9	30.000	Viaccess 2.3/Viaccess 2.5	French	
Europe B	The Box Africa	TV	DVB-S2	3/5	30.000	Conax	English	



Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	South East Africa	TF 1	TV	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	Europe B	CT 1 Cechy	TV	DVB-S2	3/5	Y	30.000	Conax	Czech
	South East Africa	Cine + Famiz	TV	DVB-S2	8/9		30.000	Mediaguard 2/Nagravision/Viaccess 2.3/Viaccess 2.5	French
	Europe B	CT 2	TV	DVB-S2	3/5	Y	30.000	Conax	Czech
	Europe B	Epic Drama	TV	DVB-S2	3/5		30.000	Conax	Lithuanian,Bulgarian,Turkish,Czech,Hungarian,Russian
	South East Africa	Cine + Émotion	TV	DVB-S2	8/9		30.000	Mediaguard 2/Nagravision/Viaccess 2.3/Viaccess 2.5	French
	Europe B	TV Nova	TV	DVB-S2	3/5		30.000	Conax	Czech
	South East Africa	BeIn Sports 1	TV	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	Discovery Science France	TV	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	Europe B	Prima	TV	DVB-S2	3/5		30.000	Conax	Czech
	South East Africa	RTL 9	TV	DVB-S2	8/9		30.000	Mediaguard 2/Nagravision/Viaccess 2.3/Viaccess 2.5	French
	South East Africa	Discovery Channel France	TV	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	KTO	TV	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	Festival Radio	radio	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	Mangas	TV	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	LCP TNT	TV	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	BFM TV	TV	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	Star Plus UK	TV	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	Hindi
	South East Africa	NRJ Réunion	radio	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	Koi FM	radio	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	Kréol FM	radio	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	RER	radio	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	Exo FM	radio	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	Radio One	radio	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	Chérie FM	radio	DVB-S2	8/9		30.000	Viaccess 2.3/Viaccess 2.5	French
10.972	V Europe B	Total TV	package	DVB-S2	3/5		27.500	Conax/Videoguard	
	Europe B	BK TV	TV	DVB-S2	3/5		27.500	Videoguard	Serbian
	Europe B	TV Palma Plus	TV	DVB-S2	3/5		27.500	Videoguard	Serbian
	Europe B	Pink Kids	TV	DVB-S2	3/5		27.500	Videoguard	Serbian
	Europe B	Alfa TV	TV	DVB-S2	3/5		27.500	Videoguard	Bosnian
	Europe B	Arena Sport 4	TV	DVB-S2	3/5		27.500	Videoguard	Serbian
	Europe B	24 Vesti	TV	DVB-S2	3/5		27.500	Videoguard	Macedonian
	Europe B	Telma	TV	DVB-S2	3/5		27.500	Videoguard	Macedonian
	Europe B	Sitel 3	TV	DVB-S2	3/5		27.500	Videoguard	Macedonian
	Europe B	Kanal 5 plus	TV	DVB-S2	3/5		27.500	Videoguard	Macedonian
	Europe B	Comedy Central Hungary	TV	DVB-S2	3/5		27.500	Conax/Videoguard	English
	Europe B	CineStar TV Hrvatska	TV	DVB-S2	3/5		27.500	Videoguard	Croatian
	Europe B	Travel Channel Europe	TV	DVB-S2	3/5		27.500	Videoguard	English
	Europe B	CineStar Premiere 1	TV	DVB-S2	3/5		27.500	Videoguard	Serbian,Croatian
	Europe B	Sundance TV Europe	TV	DVB-S2	3/5		27.500	Conax/Videoguard	English
	Europe B	Ginx eSports TV International	TV	DVB-S2	3/5		27.500	Videoguard	English,Czech,Polish
	Europe B	CineStar Premiere 2	TV	DVB-S2	3/5		27.500	Videoguard	Serbian,Croatian
	Europe B	Crime + Investigation UK	TV	DVB-S2	3/5		27.500	Conax/Videoguard	English
	Europe B	Dusk TV Europe	TV	DVB-S2	3/5		27.500	Videoguard	French
	Europe B	DTX East Europe	TV	DVB-S2	3/5		27.500	Videoguard	English
	Europe B	Radio Studio B	radio	DVB-S2	3/5		27.500		Serbian
	Europe B	Hit FM Radio	radio	DVB-S2	3/5		27.500		Serbian
10.977	H Sub-Sahara Africa	Canal 3 Benin	TV	DVB-S2	3/4		30.000	Videoguard	French
	Sub-Sahara Africa	Canal 3 Star	TV	DVB-S2	?		24.114	Videoguard	French

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Sub-Sahara Africa	Canal 3 Mboa	TV	DVB-S2	3/4		30.000	Videoguard	
	Sub-Sahara Africa	Kombat Sport	TV	DVB-S2	3/4		30.000	Videoguard	French
	Sub-Sahara Africa	Tivi 5 Monde	TV	DVB-S2	3/4		30.000	Videoguard	French
	Sub-Sahara Africa	Ucab TV	TV	DVB-S2	3/4		30.000	Videoguard	French
	Sub-Sahara Africa	Manara TV	TV	DVB-S2	3/4		30.000	Videoguard	
	Sub-Sahara Africa	ORTM Chaine Nationale	radio	DVB-S2	3/4		30.000		French
11.004	H Sub-Sahara Africa	ABK TV	TV	DVB-S2	5/6		8.332		French
11.011	V Europe B	Sport Klub 1 Srbija	TV	DVB-S2	3/5	Y	27.500	Videoguard	Serbian
	Europe B	Sport Klub 2 Srbija	TV	DVB-S2	3/5	Y	27.500	Videoguard	Serbian,Croatian,Slovenian
	Europe B	Sport Klub 1 Crna Gora	TV	DVB-S2	3/5	Y	27.500	Videoguard	Serbian
	Europe B	HBO Adria	TV	DVB-S2	3/5		27.500	Videoguard	Serbian,Croatian,Slovenian,English,Macedonian
	Europe B	HBO 2 Central Europe	TV	DVB-S2	3/5		27.500	Videoguard	Serbian,Croatian,Slovenian,English,Macedonian
	Europe B	Discovery Channel Srbija	TV	DVB-S2	3/5		27.500	Videoguard	Serbian
	Europe B	Fox Movies Srbija	TV	DVB-S2	3/5		27.500	Videoguard	Serbian
	Europe B	Animal Planet Europe	TV	DVB-S2	3/5		27.500	Videoguard	English
	Europe B	TV Vijesti	TV	DVB-S2	3/5		27.500	Videoguard	Serbian
11.016	H Sub-Sahara Africa	E-Télé	TV	DVB-S2	4/5		1.500		French
11.019	H Sub-Sahara Africa	TV Centrafrique	TV	DVB-S2	?		1.795		French
11.055	V Europe B	Antik Sat	package	DVB-S2	4/5		27.500	Conax	
	Europe B	Wau TV	TV	DVB-S2	4/5		27.500	Conax	Slovak
	Europe B	TV Barrandov	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Ócko	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	CS Mini	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Disney Channel Hungary & Czechia	TV	DVB-S2	4/5		27.500	Conax	Czech,English,Hungarian
	Europe B	Minimax Hungary	TV	DVB-S2	4/5		27.500	Conax	Czech,Hungarian
	Europe B	HBO Czechia	TV	DVB-S2	4/5		27.500	Conax	Slovak
	Europe B	Rik	TV	DVB-S2	4/5		27.500	Conax	Slovak
	Europe B	Senzi	TV	DVB-S2	4/5		27.500	Conax	Slovak
	Europe B	Slágr TV	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	TA 3	TV	DVB-S2	4/5		27.500		Slovak
	Europe B	Ring TV	TV	DVB-S2	4/5		27.500		Slovak
	Europe B	Film + Czechia	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	HBO 2 Central Europe	TV	DVB-S2	4/5		27.500	Conax	Slovak,Hungarian
	Europe B	HBO 3 Central Europe	TV	DVB-S2	4/5		27.500	Conax	Czech,Hungarian
	Europe B	JimJam Europe	TV	DVB-S2	4/5		27.500	Conax/Videoguard	Slovak,English,Hungarian
	Europe B	Spektrum International	TV	DVB-S2	4/5		27.500	Conax	Slovak,Hungarian
	Europe B	National Geographic Hungary & Czechia	TV	DVB-S2	4/5		27.500	Conax	Czech,English,Hungarian
	Europe B	TV Noe	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	TV Lux	TV	DVB-S2	4/5		27.500		Slovak
	Europe B	Spektrum Home	TV	DVB-S2	4/5		27.500	Conax	Czech,Hungarian
	Europe B	Nickelodeon Europe	TV	DVB-S2	4/5		27.500	Conax	Czech,English,Hungarian
	Europe B	TV Joj	TV	DVB-S2	4/5		27.500	Conax	Slovak
	Europe B	TV Paprika	TV	DVB-S2	4/5		27.500	Conax	Czech,Hungarian
	Europe B	Plus	TV	DVB-S2	4/5	Y	27.500	Conax	Slovak
	Europe B	TV Doma	TV	DVB-S2	4/5	Y	27.500	Conax	Slovak
	Europe B	Joj Cinema	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	TV Markíza	TV	DVB-S2	4/5	Y	27.500	Conax	Slovak
	Europe B	Sport 2 Czechia	TV	DVB-S2	4/5		27.500	Conax	Czech,Slovak
11.069	H Europe A	unknown	package	DVB-S	2/3		.355		
	Europe A	Slam!	radio	DVB-S	1/2		.334		Dutch
	Europe A	Radio 538	radio	DVB-S	2/3		.355		Dutch
11.071	H Europe A	Slam!	radio	DVB-S	1/2		.334		Dutch
	Europe A	BNR Nieuwsradio	radio	DVB-S	1/2		.334		Dutch
11.072	H Europe A	100% NL	radio	DVB-S	1/2		.334		Dutch
11.094	V Europe B	Antik Sat	package	DVB-S2	4/5		27.500	Conax	

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Europe B	Eurosport 2	TV	DVB-S2	4/5		27.500	Conax	Czech,English
	Europe B	AMC Central Europe	TV	DVB-S2	4/5		27.500	Conax	Slovak,Hungarian,Roma nian
	Europe B	Prima Zoom	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Arena Sport 1	TV	DVB-S2	4/5		27.500	Conax	Slovak
	Europe B	Sport 1 Czechia	TV	DVB-S2	4/5		27.500	Conax	Czech,Slovak
	Europe B	TV Lux	TV	DVB-S2	4/5		27.500		Slovak
	Europe B	CS Mini	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Nova 2	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	CS Film	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Prima Cool	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Horor Film	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Nova Gold	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Nova Action	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Film Europe	TV	DVB-S2	4/5		27.500	Conax	
	Europe B	Nova Cinema	TV	DVB-S2	4/5	Y	27.500	Conax	Czech
	Europe B	Kino Svet	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Nova Sport 1	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Nova Sport 2	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	AXN Czech Republic	TV	DVB-S2	4/5		27.500	Conax	Czech,English
	Europe B	CT 2	TV	DVB-S2	4/5	Y	27.500	Conax	Czech
	Europe B	CT :D	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	CT art	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Prima Max	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Kino Barrandov	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Prima Love	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	CT 1 Cechy	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	CT Sport	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Discovery Channel Central Europe	TV	DVB-S2	4/5		27.500	Conax	Czech,English,Hungarian
	Europe B	TV Markíza	TV	DVB-S2	4/5		27.500	Conax	Slovak
11.131	V Europe B	Radio Zu	radio	DVB-S2	2/3		16.593		Romanian
	Europe B	Romantic FM	radio	DVB-S2	2/3		16.593		Romanian
11.151	V Europe A	Pink Thriller	TV	DVB-S2	2/3		13.268	Irdeto 2	Serbian
	Europe A	Pink Crime & Mystery	TV	DVB-S2	2/3		13.268	Irdeto 2	Serbian
	Europe A	Pink Romance	TV	DVB-S2	2/3		13.268	Irdeto 2	Serbian
	Europe A	Pink Sci-Fi & Fantasy	TV	DVB-S2	2/3		13.268	Irdeto 2	Serbian
	Europe A	Pink Soap	TV	DVB-S2	2/3		13.268	Irdeto 2	Serbian
	Europe A	Pink Zabava	TV	DVB-S2	2/3		13.268	Irdeto 2	Serbian
	Europe A	Pink Comedy	TV	DVB-S2	2/3		13.268	Irdeto 2	Serbian
11.178	V Europe B	Pink Plus	TV	DVB-S2	3/5	Y	30.000	Irdeto/Videoguard	Serbian
	Europe B	Pink Fashion	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	Europe B	Pink Music 2	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	Europe B	Pink Hits	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	Europe B	CityPlay	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	Europe B	Pink Western	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	Europe B	Pink Classic	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	Europe B	Bravo Music	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	Europe B	Pink Serije	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	Europe B	Pink World Cinema	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	Europe B	Pink Show	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	Europe B	Pink Kuvar	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	Europe B	Pink Super Kids	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	Europe B	Ha Ha	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	Europe B	Lol	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
11.221	H Europe A	Total TV	package	DVB-S2	3/5		30.000	Conax/Videoguard	
	Europe A	Planet TV	TV	DVB-S2	3/5		30.000	Videoguard	Slovenian
	Europe A	Golica TV	TV	DVB-S2	3/5		30.000	Videoguard	Slovenian
	Europe A	CineStar Fantasy	TV	DVB-S2	3/5		30.000	Videoguard	Croatian
	Europe A	Oto	TV	DVB-S2	3/5	Y	30.000	Videoguard	Slovenian
	Europe A	CMC TV	TV	DVB-S2	3/5		30.000	Videoguard	Croatian
	Europe A	Sport Klub HD	TV	DVB-S2	3/5		30.000	Videoguard	Serbian,Croatian,Sloveni an
	Europe A	Sport Klub 3	TV	DVB-S2	3/5		30.000	Videoguard	Serbian,Croatian,Sloveni an
	Europe A	N1 Srbija	TV	DVB-S2	3/5		30.000	Videoguard	Serbian

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Europe A	Fox Srbija	TV	DVB-S2	3/5		30.000	Videoguard	Serbian
	Europe A	Fox Life Srbija	TV	DVB-S2	3/5		30.000	Videoguard	Serbian
	Europe A	Viasat Nature HD	TV	DVB-S2	3/5		30.000	Conax/Videoguard	English
	Europe A	Viasat History HD	TV	DVB-S2	3/5		30.000	Conax/Videoguard	English
	Europe A	Cinemax 2 Central Europe	TV	DVB-S2	3/5		30.000	Videoguard	Serbian,Croatian,Slovenian
	Europe A	Hustler TV Europe	TV	DVB-S2	3/5		30.000	Videoguard	English
	Europe A	Scifi Srbija	TV	DVB-S2	3/5		30.000	Videoguard	English
	Europe A	Kanal 77	radio	DVB-S2	3/5		30.000		Macedonian
11.231	V Europe A	TV 1	TV	DVB-S2	3/5	Y	42.000	Videoguard	Bosnian
	Europe A	Prva Kick	TV	DVB-S2	3/5		42.000	Videoguard	Serbian
	Europe A	Epic Drama	TV	DVB-S2	3/5		42.000	Videoguard	
	Europe A	Pink Reality	TV	DVB-S2	3/5		42.000	Videoguard	Serbian
11.262	H Europe B	BN Music	TV	DVB-S	2/3		30.000		Serbian
	Europe B	RTRS Plus	TV	DVB-S	2/3		30.000		Serbian
	Europe B	Radio Posavina	radio	DVB-S	2/3		30.000		Croatian
	Europe B	Radio Stari Grad	radio	DVB-S	2/3		30.000		Bosnian
	Europe B	Kalman Radio	radio	DVB-S	2/3		30.000		Bosnian
	Europe B	VIP Radio	radio	DVB-S	2/3		30.000		Serbian
	Europe B	Radio Bir	radio	DVB-S	2/3		30.000		Bosnian
	Europe B	Radio BN	radio	DVB-S	2/3		30.000		Serbian
	Europe B	Bobar Radio	radio	DVB-S	2/3		30.000		Serbian
	Europe B	Radio Mir Medjugorje	radio	DVB-S	2/3		30.000		Croatian
	Europe B	Radio Republike Srpske	radio	DVB-S	2/3		30.000		Serbian
	Europe B	Radio Marija Srbija	radio	DVB-S	2/3		30.000		Croatian
	Europe B	Mária Rádió Szerbia	radio	DVB-S	2/3		30.000		Hungarian
	Europe B	Radio Maria Romania	radio	DVB-S	2/3		30.000		Romanian
	Europe B	Mária Rádió Erdély	radio	DVB-S	2/3		30.000		Hungarian
	Europe B	Radio Maria Albania	radio	DVB-S	2/3		30.000		Albanian
	Europe B	Radio Marija Bosna i Hercegovina	radio	DVB-S	2/3		30.000		Croatian
	Europe B	Radio Mariam Armenia	radio	DVB-S	2/3		30.000		Armenian
	Europe B	Mária Rádió	radio	DVB-S	2/3		30.000		Hungarian
11.283	V Europe B	unknown	package	DVB-S2	2/3		30.000	Conax/Videoguard	
	Europe B	Box Hits	TV	DVB-S2	2/3		30.000	Conax	English
	Europe B	FilmBox Arthouse Africa & Turkey & Middle East	TV	DVB-S2	2/3		30.000	Conax	English
	Europe B	FilmBox Arthouse Worldwide	TV	DVB-S2	2/3		30.000	Conax/Videoguard	English,Russian
	Europe B	FilmBox Plus	TV	DVB-S2	2/3		30.000	Conax/Videoguard	English
	Europe B	FilmBox Plus	TV	DVB-S2	2/3		30.000	Conax	English
	Europe B	Fast & FunBox HD	TV	DVB-S2	2/3		30.000	Conax/Videoguard	English,Russian,Turkish
	Europe B	FilmBox Extra HD Czechia & Hungary	TV	DVB-S2	2/3		30.000	Conax	English,Czech,Hungarian
	Europe B	FightBox HD	TV	DVB-S2	2/3		30.000	Conax/Videoguard	English,Russian,Polish,Turkish
	Europe B	Eroxxx HD	TV	DVB-S2	2/3		30.000	Conax/Videoguard	English
	Europe B	Erox HD	TV	DVB-S2	2/3		30.000	Conax/Videoguard	English
	Europe B	FilmBox Plus	TV	DVB-S2	2/3		30.000	Conax	Czech,English,Hungarian
	Europe B	FilmBox Premium Czechia	TV	DVB-S2	2/3		30.000	Conax	Czech
	Europe B	360 Tune Box	TV	DVB-S2	2/3		30.000	Conax/Videoguard	English
	Europe B	FashionBox HD	TV	DVB-S2	2/3		30.000	Conax/Videoguard	English
	Europe B	FilmBox Basic	TV	DVB-S2	2/3		30.000	Conax	Czech,English,Hungarian
	Europe B	FilmBox Baltic	TV	DVB-S2	2/3		30.000	Conax	Russian
	Europe B	Ultra	TV	DVB-S2	2/3		30.000	Conax	Serbian
	Europe B	FilmBox Premium Hungary	TV	DVB-S2	2/3		30.000	Conax	Hungarian
	Europe B	FilmBox Family	TV	DVB-S2	2/3		30.000	Conax	Czech,Hungarian
	Europe B	Gametoon	TV	DVB-S2	2/3		30.000	Conax	English
11.294	H Sub-Sahara Africa	Consat promo	TV	DVB-S2	3/4		45.000		
	Sub-Sahara Africa	MMTV	TV	DVB-S2	2/3		45.000	Conax	English
	Sub-Sahara Africa	E TV Ghana	TV	DVB-S2	2/3		45.000		English
	Sub-Sahara Africa	TV 3	TV	DVB-S2	2/3		45.000		English
	Sub-Sahara Africa	FashionBox HD	TV	DVB-S2	2/3		45.000	Conax	English
	Sub-Sahara Africa	FilmBox Africa	TV	DVB-S2	2/3		45.000	Conax	English

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Sub-Sahara Africa	360 Tune Box	TV	DVB-S2	2/3	45.000	Conax	English
	Sub-Sahara Africa	DocuBox HD	TV	DVB-S2	2/3	45.000	Conax	English
	Sub-Sahara Africa	FightBox HD	TV	DVB-S2	2/3	45.000	Conax	English
	Sub-Sahara Africa	Fast & FunBox HD	TV	DVB-S2	2/3	45.000	Conax	English
11.303	H Europe A	Minimax Serbia	TV	DVB-S2	2/3	30.000	Viaccess 5.0	Serbian
	Europe B	OBN	TV	DVB-S2	2/3	Y 30.000		Bosnian
	Europe B	Yu Planet TV	TV	DVB-S2	2/3	30.000		Serbian
	Europe B	Pro TV International	TV	DVB-S2	2/3	30.000		Romanian
	Europe A	Nezavisni Radio Studio 99	radio	DVB-S2	2/3	30.000		Bosnian
	Europe A	Hayat Folk	TV	DVB-S2	2/3	30.000		Bosnian
	Europe A	Hayat Music	TV	DVB-S2	2/3	30.000		Bosnian
	Europe A	Evrofutboll Gonki 1	TV	DVB-S2	2/3	30.000	BISS	Bulgarian
	Europe A	Evrofutboll Gonki 2	TV	DVB-S2	2/3	30.000	Nagravision	Bulgarian
	Europe A	Evrofutboll Gonki 3	TV	DVB-S2	2/3	30.000	Nagravision	Bulgarian
11.366	V Europe A	STN	package	DVB-S	3/4	30.000		
	Europe A	OTV Valentino	TV	DVB-S	3/4	30.000		Bosnian
	Europe A	TV Duga +	TV	DVB-S	3/4	30.000		Serbian
	Europe A	K CN Svet + 3	TV	DVB-S	3/4	30.000		Serbian
	Europe A	K CN 1	TV	DVB-S	3/4	30.000		Serbian
	Europe A	Eurochannel	TV	DVB-S	3/4	30.000	Viaccess 5.0	Polish
	Europe A	K CN Music 2	TV	DVB-S	3/4	30.000		Serbian
	Europe A	Radio 1 Ljubljana	radio	DVB-S	3/4	30.000		Slovenian
	Europe A	Radio Ognjisce	radio	DVB-S	3/4	30.000		Slovenian
	Europe A	Radio Valentino	radio	DVB-S	3/4	30.000		Bosnian
11.387	H Europe B	Total TV	package	DVB-S2	3/5	30.000	Videoguard	
	Europe B	Studio B	TV	DVB-S2	3/5	Y 30.000	Videoguard	Serbian
	Europe B	Alternativna TV	TV	DVB-S2	3/5	30.000	Videoguard	Serbian
	Europe B	RTRS TV	TV	DVB-S2	3/5	Y 30.000	Videoguard	Serbian
	Europe B	Brio	TV	DVB-S2	3/5	30.000	Videoguard	Slovenian
	Europe B	Kino	TV	DVB-S2	3/5	Y 30.000	Videoguard	Slovenian
	Europe B	TV 3 Medias	TV	DVB-S2	3/5	Y 30.000	Videoguard	Slovenian
	Europe B	Doma Hrvatska	TV	DVB-S2	3/5	Y 30.000	Videoguard	Croatian
	Europe B	RTL Hrvatska	TV	DVB-S2	3/5	Y 30.000	Videoguard	Croatian
	Europe B	RTL 2 Hrvatska	TV	DVB-S2	3/5	Y 30.000	Videoguard	Croatian
	Europe B	Mini TV	TV	DVB-S2	3/5	Y 30.000	Videoguard	Croatian
	Europe B	Nova TV	TV	DVB-S2	3/5	Y 30.000	Videoguard	Croatian
	Europe B	Sitel TV	TV	DVB-S2	3/5	30.000	Videoguard	Macedonian
	Europe B	Kanal 5	TV	DVB-S2	3/5	30.000	Videoguard	Macedonian
	Europe B	Pikaboo	TV	DVB-S2	3/5	30.000	Videoguard	Serbian,Croatian,Slovenian,Macedonian,Albanian
	Europe B	Orlando Kids	TV	DVB-S2	3/5	30.000	Videoguard	Serbian,Croatian,Macedonian,Albanian
	Europe B	Kanal A	TV	DVB-S2	3/5	Y 30.000	Videoguard	Slovenian
	Europe B	Sport Klub 2 Slovenija	TV	DVB-S2	3/5	30.000	Videoguard	Slovenian
	Europe B	Minimax Serbia	TV	DVB-S2	3/5	30.000	Videoguard	Serbian,Slovenian
	Europe B	Lov i ribolov	TV	DVB-S2	3/5	30.000	Videoguard	Serbian
	Europe B	History Europe	TV	DVB-S2	3/5	30.000	Videoguard	English
11.400	V Europe B	Tring Digital	package	DVB-S2	3/4	13.846	Conax	
	Europe B	Koha TV	TV	DVB-S2	3/4	13.846	Conax	Albanian
	Europe B	Jolly HD	TV	DVB-S2	3/4	13.846	Conax	Albanian
	Europe B	Club TV	TV	DVB-S2	3/4	13.846	Conax	Albanian
	Europe B	Fox Crime Regional	TV	DVB-S2	3/4	13.846	Conax	English
	Europe B	Fox Life Regional	TV	DVB-S2	3/4	13.846	Conax	English
	Europe B	Tirana TV	TV	DVB-S2	3/4	13.846	Conax	Albanian
	Europe B	RTV 21 Sat	TV	DVB-S2	3/4	13.846	Conax	Albanian
	Europe B	Tring Fantasy	TV	DVB-S2	3/4	13.846	Conax	Albanian
	Europe B	Muse	TV	DVB-S2	3/4	13.846	Conax	Albanian
	Europe B	Bunga Bunga	TV	DVB-S2	3/4	13.846	Conax	Albanian
	Europe B	Bizarre	TV	DVB-S2	3/4	13.846	Conax	Albanian
	Europe B	Mediaset Italia	TV	DVB-S2	3/4	13.846	Conax	Italian
	Europe B	Tring History	TV	DVB-S2	3/4	13.846	Conax	Albanian
	Europe B	National Geographic România	TV	DVB-S2	3/4	13.846	Conax	English

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
11.427	V Europe B	Club FM	radio	DVB-S2	3/4		13.846		Albanian
	V Europe B	Tring Super	TV	DVB-S2	5/6		27.500	Conax	Albanian
	V Europe B	Tring Sport News	TV	DVB-S2	5/6		27.500	Conax	Albanian
	V Europe B	Tring Comedy	TV	DVB-S2	5/6		27.500	Conax	Albanian
11.470	V Europe B	Fax News	TV	DVB-S2	5/6		27.500		Albanian
	V Europe B	Mtel	package	DVB-S2	5/6		30.000	Conax	
	V Europe B	Diema Family	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	National Geographic Bulgaria	TV	DVB-S2	5/6		30.000	Conax	Bulgarian,English
	V Europe B	TV Evropa	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	BNT World	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	Planeta Folk	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	Duck TV SD	TV	DVB-S2	5/6		30.000	Conax	English
	V Europe B	Fen TV	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	Fox Crime Bulgaria	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	24 Kitchen Bulgaria	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	Food Network EMEA	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	Baby TV Europe	TV	DVB-S2	5/6		30.000	Conax	English
	V Europe B	Fox Bulgaria	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	TLC Balkan	TV	DVB-S2	5/6		30.000	Conax	Bulgarian,English
	V Europe B	BNT 2	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	BTV Comedy	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	BTV Cinema	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	BTV Lady	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	Bulgaria 24	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
V Europe B	Boomerang Central & Eastern Europe	TV	DVB-S2	5/6		30.000	Conax	English	
11.471	H Europe B	Total TV	package	DVB-S2	3/4		30.000	Conax/Videoguard	
	South East Africa	Canal Réunion	package	DVB-S2	8/9		30.000	Mediaguard 2/Nagravision/Viaccess	
	V Europe B	Prva Srpska TV	TV	DVB-S2	3/4	Y	30.000	Videoguard	Serbian
	South East Africa	Discovery Channel France	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	V Europe B	Prva Plus	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	South East Africa	NRJ 12	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	V Europe B	Happy	TV	DVB-S2	3/4	Y	30.000	Videoguard	Serbian
	South East Africa	Série Club	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	V Europe B	RTV 1	TV	DVB-S2	3/4	Y	30.000	Videoguard	Serbian
	South East Africa	Antenne Réunion TV	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	Kolo TV	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	V Europe B	Federalna TV	TV	DVB-S2	3/4	Y	30.000	Videoguard	Bosnian
	South East Africa	C8	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	V Europe B	Pop TV	TV	DVB-S2	3/4	Y	30.000	Videoguard	Slovenian
	South East Africa	Nickelodeon France	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	Télé Kréol	TV	DVB-S2	8/9		30.000	Mediaguard 2/Nagravision/Viaccess	
	South East Africa	Kanal Austral	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	V Europe B	HRT 1	TV	DVB-S2	3/4	Y	30.000	Videoguard	Croatian
	South East Africa	Nat Geo Wild France	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	V Europe B	HRT 2	TV	DVB-S2	3/4	Y	30.000	Videoguard	Croatian
	South East Africa	Histoire	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	V Europe B	MRT 1	TV	DVB-S2	3/4		30.000	Videoguard	Macedonian
	South East Africa	LCI	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	V Europe B	Sport Klub 1 Slovenija	TV	DVB-S2	3/4		30.000	Videoguard	Slovenian
	South East Africa	Cine + Frisson	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	V Europe B	Hema TV	TV	DVB-S2	3/4		30.000	Videoguard	Bosnian
South East Africa	Disney XD France	TV	DVB-S2	8/9		30.000	Mediaguard 2	French	
V Europe B	Sport Klub 1 Hrvatska	TV	DVB-S2	3/4		30.000	Videoguard	Croatian	

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	South East Africa	Ma TV	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	TV 1000 Balkan	TV	DVB-S2	3/4		30.000	Videoguard	English
	South East Africa	TV Plus Madagascar	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	Discovery Channel Srbija	TV	DVB-S2	3/4		30.000	Conax/Videoguard	Serbian
	South East Africa	SFR Sport 2	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	Diva Adria	TV	DVB-S2	3/4		30.000	Videoguard	English
	South East Africa	InfoSport +	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	Fox Crime Srbija	TV	DVB-S2	3/4		30.000	Conax/Videoguard	Serbian
	South East Africa	Cine + Club	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	Fox Life Srbija	TV	DVB-S2	3/4		30.000	Conax/Videoguard	Serbian
	South East Africa	Comédie +	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	Fox Movies Srbija	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	South East Africa	Star Gold UK	TV	DVB-S2	8/9		30.000	Mediaguard 2	Hindi
	Europe B	National Geographic Srbija	TV	DVB-S2	3/4		30.000	Conax/Videoguard	Serbian
	South East Africa	Rugby +	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	AMC Balkan	TV	DVB-S2	3/4		30.000	Videoguard	English
	South East Africa	BeIn Sports 2	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	RTV 2	TV	DVB-S2	3/4	Y	30.000	Videoguard	Serbian
	South East Africa	Colors	TV	DVB-S2	8/9		30.000	Mediaguard 2	Hindi
	Europe B	IDJ TV	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	South East Africa	MBC Sat	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	Nat Geo Wild Europe	TV	DVB-S2	3/4		30.000	Videoguard	English
	South East Africa	MTV India	TV	DVB-S2	8/9		30.000	Mediaguard 2	English
	South East Africa	Free Dom 1	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	Jazz Radio	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	RFM	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	Europe 1	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	RMC	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
11.512	V Europe B	TV Romania	package	DVB-S2	2/3		29.950		
	Europe B	TVR 1	TV	DVB-S2	2/3	Y	29.950	Conax	Romanian
	South East Africa	Canal Réunion	package	DVB-S2	8/9		30.000	Mediaguard 2/Nagravision/Viaccess	
	Europe B	Sport Klub 2 Srbija	TV	DVB-S2	3/4		30.000	Nagravision 3	Croatian
	South East Africa	Voyage	TV	DVB-S2	8/9		30.000	Mediaguard 2/Nagravision/Viaccess	French
	Europe B	Kreator TV	TV	DVB-S2	3/4		30.000	Nagravision 3	Croatian
	South East Africa	OCS max	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	TVR International	TV	DVB-S2	2/3	Y	29.950		Romanian
	Europe B	RTL Kockica	TV	DVB-S2	3/4		30.000	Conax/Nagravision 3	Croatian
	Europe B	TVR Cluj	TV	DVB-S2	2/3	Y	29.950		Romanian
	South East Africa	Planète +	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	TVR Craiova	TV	DVB-S2	2/3	Y	29.950		Romanian
	Europe B	RTL Living Hrvatska	TV	DVB-S2	3/4		30.000	Nagravision 3	Croatian
	Europe B	TVR Iasi	TV	DVB-S2	2/3	Y	29.950		Romanian
	South East Africa	MCM France	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	TVR Timisoara	TV	DVB-S2	2/3	Y	29.950		Romanian
	Europe B	National Geographic Hrvatska	TV	DVB-S2	3/4		30.000	Conax/Nagravision 3	Croatian
	Europe B	TVR Targu-Mures	TV	DVB-S2	2/3	Y	29.950		Romanian
	South East Africa	OCS City	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	BBC Earth Romania	TV	DVB-S2	3/4		30.000	Nagravision 3	English
	Europe B	Nat Geo Wild Europe	TV	DVB-S2	3/4		30.000	Nagravision 3	English

Freq	Beam		Analog	Diff	Fec	Symb of Rate	Acces	Lang
	South East Africa	C News	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	CineStar Premiere 1	TV	DVB-S2	3/4	30.000	Conax/Nagravision 3	Croatian
	South East Africa	L'Équipe	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	CineStar Fantasy	TV	DVB-S2	3/4	30.000	Conax/Nagravision 3/Videoguard	Croatian
	South East Africa	13ème Rue	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	Epic Drama	TV	DVB-S2	3/4	30.000	Conax/Nagravision 3	English
	South East Africa	Seasons	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	Orlando Kids	TV	DVB-S2	3/4	30.000	Nagravision 3	Croatian
	South East Africa	Trace Urban	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	Boomerang Central & Eastern Europe	TV	DVB-S2	3/4	30.000	Nagravision 3	English
	South East Africa	Disney Channel France	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	Baby TV Europe	TV	DVB-S2	3/4	30.000	Nagravision 3	English
	South East Africa	Paris Première	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	Cartoon Network Russia & South East Europe	TV	DVB-S2	3/4	30.000	Conax/Nagravision 3	English
	South East Africa	Planète + A&E	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	CineStar TV Hrvatska	TV	DVB-S2	3/4	30.000	Nagravision 3	Croatian
	South East Africa	Mezzo	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	Fox Life Hrvatska	TV	DVB-S2	3/4	30.000	Conax/Nagravision 3	Croatian
	South East Africa	French Lover TV	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	Fox Crime Hrvatska	TV	DVB-S2	3/4	30.000	Conax/Nagravision 3	Croatian
	South East Africa	Planète + Thalassa	TV	DVB-S2	8/9	30.000	Mediaguard 2/Nagravision/Viaccess	French
	Europe B	HNTV	TV	DVB-S2	3/4	30.000	Nagravision 3	Croatian
	South East Africa	EuroNews Français	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	South East Africa	Foot + Réunion	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	Nick Jr Europe	TV	DVB-S2	3/4	30.000	Nagravision 3	Croatian
	Europe B	Jugoton TV	TV	DVB-S2	3/4	30.000	Nagravision 3	Croatian
	South East Africa	MTV France	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	Sport Klub Start	TV	DVB-S2	3/4	30.000	Nagravision 3	Croatian
	South East Africa	Piwi +	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	Arena Sport 3 Hrvatska	TV	DVB-S2	3/4	30.000	Nagravision 3	Croatian
	South East Africa	Libido TV	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	Arena Sport 4 Hrvatska	TV	DVB-S2	3/4	30.000	Nagravision 3	Croatian
	South East Africa	Cuisine +	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	Sport Klub 3	TV	DVB-S2	3/4	30.000	Nagravision 3	Croatian
	South East Africa	Action	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	South East Africa	Zee Cinema Africa	TV	DVB-S2	8/9	30.000	Mediaguard 2	Hindi
	South East Africa	Exo FM	radio	DVB-S2	8/9	30.000	Mediaguard 2	French
	South East Africa	RMJ	radio	DVB-S2	8/9	30.000	Mediaguard 2	French
	South East Africa	ACEEM Radio	radio	DVB-S2	8/9	30.000	Mediaguard 2	French
	South East Africa	BFM Business Radio	radio	DVB-S2	8/9	30.000	Mediaguard 2	French
	South East Africa	Latina	radio	DVB-S2	8/9	30.000	Mediaguard 2	French
	South East Africa	Radio Nova	radio	DVB-S2	8/9	30.000	Mediaguard 2	French
	South East Africa	Skyrock	radio	DVB-S2	8/9	30.000	Mediaguard 2	French
	South East Africa	Voltage	radio	DVB-S2	8/9	30.000	Mediaguard 2	French
	South East Africa	Alliance FM 92	radio	DVB-S2	8/9	30.000	Mediaguard 2	French



Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	South East Africa	Ma FM	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	NRJ Réunion	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	Nostalgie Réunion	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	Fun Radio Réunion	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
11.554	H Europe B	Total TV	package	DVB-S2	3/4		30.000	Conax/Nagravision 3/Videoguard	
	Europe B	Vip Sat TV	package	DVB-S2	5/6		30.000	Conax/Nagravision 3/Videoguard	
	Europe B	HRT 1	TV	DVB-S2	5/6	Y	30.000	Conax	Croatian
	South East Africa	France TV	package	DVB-S2	5/6		30.000	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0	
	Europe B	HRT 2	TV	DVB-S2	5/6	Y	30.000	Conax	Croatian
	Europe B	RTS 1	TV	DVB-S2	3/4	Y	30.000	Videoguard	Serbian
	Europe B	Balkanika Music TV	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	South East Africa	Réunion 1ère	TV	DVB-S2	5/6		30.000	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0	French
	Europe B	RTS 2	TV	DVB-S2	3/4	Y	30.000	Videoguard	Serbian
	Europe B	Sport Klub 2 Srbija	TV	DVB-S2	5/6		30.000	Conax	Croatian,Serbian,Slovenian
	Europe B	Hustler HD Europe	TV	DVB-S2	5/6		30.000	Conax	English
	South East Africa	Mayotte 1ère	TV	DVB-S2	5/6		30.000	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0	French
	Europe B	Hustler TV Europe	TV	DVB-S2	5/6		30.000	Conax/Nagravision 3	English
	Europe B	Pink 2	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	South East Africa	France 24 Français	TV	DVB-S2	5/6		30.000		French
	Europe B	Sport Klub 1 Hrvatska	TV	DVB-S2	5/6		30.000	Conax	Croatian
	Europe B	HRT 3	TV	DVB-S2	5/6	Y	30.000	Conax	Croatian
	Europe B	CBS Reality Europe	TV	DVB-S2	5/6		30.000	Conax/Nagravision 3/Videoguard	English,Czech
	South East Africa	France 2	TV	DVB-S2	5/6		30.000	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0	French
	Europe B	Diva Adria	TV	DVB-S2	5/6		30.000	Conax/Nagravision 3	
	Europe B	OBN	TV	DVB-S2	3/4	Y	30.000	Videoguard	Bosnian
	South East Africa	France 3	TV	DVB-S2	5/6		30.000	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0	French
	Europe B	Sport Klub 3	TV	DVB-S2	5/6		30.000	Conax	Croatian
	Europe B	TV Slovenija 1	TV	DVB-S2	3/4	Y	30.000	Videoguard	Slovenian
	Europe B	CineStar Action Hrvatska	TV	DVB-S2	5/6		30.000	Conax/Nagravision 3/Videoguard	Croatian
	South East Africa	France 4	TV	DVB-S2	5/6		30.000	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0	French
	Europe B	Federalna TV	TV	DVB-S2	5/6		30.000	Conax	Bosnian
	Europe B	TV Slovenija 2	TV	DVB-S2	3/4	Y	30.000	Videoguard	Slovenian
	Europe B	CineStar TV Hrvatska	TV	DVB-S2	5/6		30.000	Conax	Croatian
	South East Africa	France 5	TV	DVB-S2	5/6		30.000	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0	French
	Europe B	Prva TV Crna Gora	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	South East Africa	ARTE Français	TV	DVB-S2	5/6		30.000	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0	French
	Europe B	Eurosport 1	TV	DVB-S2	5/6	Y	30.000	Conax	English,Bulgarian,Croatian
	South East Africa	France Ô	TV	DVB-S2	5/6		30.000	Mediaguard 2/Nagravision 3/Viaccess 3.0/Viaccess 4.0	French
	Europe B	Kino TV	TV	DVB-S2	5/6		30.000	Conax	Croatian
	Europe B	Pikaboo	TV	DVB-S2	5/6		30.000	Conax	Croatian
	Europe B	Arena Sport 1	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	South East Africa	Outre-mer 1ère	radio	DVB-S2	5/6		30.000	Viaccess 4.0	French
	Europe B	Arena Sport 2	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	Europe B	RTL Living Hrvatska	TV	DVB-S2	5/6		30.000	Conax	Croatian
	Europe B	VH1 Europe	TV	DVB-S2	5/6		30.000	Conax/Nagravision 3/Videoguard	English
	South East Africa	Réunion 1ère Radio	radio	DVB-S2	5/6		30.000		French
	Europe B	Eurosport 2 North-East	TV	DVB-S2	5/6		30.000	Conax	English,Bulgarian,Croatian
	Europe B	Sport Klub Golf	TV	DVB-S2	3/4		30.000	Videoguard	Serbian,Croatian,Slovenian
	Europe B	Jugoton TV	TV	DVB-S2	5/6		30.000	Conax	Croatian
	South East Africa	Mayotte 1ère Radio	radio	DVB-S2	5/6		30.000		French
	Europe B	MTV Europe	TV	DVB-S2	5/6		30.000	Conax/Nagravision 3	English

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Europe B	Mediaset Italia	TV	DVB-S2	5/6		30.000	Conax	Italian
	Europe B	Prva World	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	South East Africa	Mouv'	radio	DVB-S2	5/6		30.000		French
	Europe B	Nat Geo Wild Europe	TV	DVB-S2	5/6		30.000	Conax	English
	Europe B	Klasik TV	TV	DVB-S2	5/6		30.000	Conax	Croatian
	South East Africa	Radio France Internationale	radio	DVB-S2	5/6		30.000		French
	Europe B	Cinematica	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	Europe B	Kreator TV	TV	DVB-S2	5/6		30.000	Conax	Croatian
	Europe B	HRT 4	TV	DVB-S2	5/6	Y	30.000	Conax	Croatian
	South East Africa	France Info	radio	DVB-S2	5/6		30.000		French
	Europe B	Fight Channel World	TV	DVB-S2	5/6		30.000	Conax	English
	Europe B	Grand	TV	DVB-S2	3/4		30.000		Serbian
	Europe B	Orlando Kids	TV	DVB-S2	5/6		30.000	Conax	Croatian
	South East Africa	France Culture	radio	DVB-S2	5/6		30.000		French
	Europe B	Lov i ribolov	TV	DVB-S2	5/6		30.000	Conax	Serbian
	Europe B	N1 Bosna i Hercegovina	TV	DVB-S2	3/4		30.000	Videoguard	Bosnian
	Europe B	CineStar Premiere 2	TV	DVB-S2	5/6		30.000	Conax	Croatian
	South East Africa	France Inter	radio	DVB-S2	5/6		30.000		French
	Europe B	CineStar Premiere 1	TV	DVB-S2	5/6		30.000	Conax	Croatian
	Europe B	N1 Hrvatska	TV	DVB-S2	3/4		30.000	Conax/Nagravision 3/Videoguard	Croatian
	Europe B	E! Europe	TV	DVB-S2	5/6		30.000	Conax/Nagravision 3	English
	South East Africa	France Musique	radio	DVB-S2	5/6		30.000		French
	Europe B	Fox Srbija	TV	DVB-S2	3/4		30.000	Conax/Videoguard	Serbian
	Europe B	Scifi Polska	TV	DVB-S2	5/6		30.000	Conax/Nagravision 3	English
	Europe B	Fight Channel	TV	DVB-S2	5/6		30.000	Conax/Videoguard	Croatian
	South East Africa	France Bleu 107.1	radio	DVB-S2	5/6		30.000		French
	Europe B	AXN Central Europe	TV	DVB-S2	5/6		30.000	Conax	English
	Europe B	Fox Crime Srbija	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	South East Africa	France Bleu	radio	DVB-S2	5/6		30.000		French
	Europe B	24 Kitchen Srbija	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	South East Africa	RFI Afrique	radio	DVB-S2	5/6		30.000		French
	Europe B	RTS HD	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
11.595	H Europe B	Max TV	package	DVB-S2	3/4		30.000	Conax/Nagravision 3	
	Europe B	Mtel	package	DVB-S2	5/6		30.000	Conax	
	Europe B	BNT 1	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	RTL Crime Hrvatska	TV	DVB-S2	3/4		30.000	Nagravision 3	Croatian
	Europe B	BTB	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Brazzers TV Europe	TV	DVB-S2	3/4		30.000	Nagravision 3	English
	Europe B	BTB Action	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Private TV	TV	DVB-S2	3/4		30.000	Nagravision 3	English
	Europe B	Dorcel TV	TV	DVB-S2	3/4		30.000	Nagravision 3	French
	Europe B	Nova Sport	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Arena Sport 2 Hrvatska	TV	DVB-S2	3/4		30.000	Nagravision 3	Croatian
	Europe B	Diema Sport 2	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Alfa TV	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	History Europe	TV	DVB-S2	3/4		30.000	Nagravision 3	English
	Europe B	Nova TV	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Diema	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Z1	TV	DVB-S2	3/4		30.000		Croatian
	Europe B	Nickelodeon Europe	TV	DVB-S2	3/4		30.000	Nagravision 3	Croatian
	Europe B	Ring	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	AXN Adria	TV	DVB-S2	3/4		30.000	Nagravision 3	English
	Europe B	Kino Nova	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Fox Life Bulgaria	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	HRT 1	TV	DVB-S2	3/4	Y	30.000	Nagravision 3	Croatian
	Europe B	DSTV	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Extreme Sports Channel	TV	DVB-S2	3/4		30.000	Nagravision 3	English
	Europe B	Animal Planet Europe	TV	DVB-S2	5/6		30.000	Conax	English

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Europe B	HBO 3 Central Europe	TV	DVB-S2	3/4	30.000	Nagravision 3	English
	Europe B	Bulgaria On Air	TV	DVB-S2	5/6	30.000	Conax	Bulgarian
	Europe B	CMC TV	TV	DVB-S2	3/4	30.000	Conax/Nagravision 3	Croatian
	Europe B	AXN Bulgaria	TV	DVB-S2	5/6	30.000	Conax	Bulgarian,English
	Europe B	Nat Geo Wild Europe	TV	DVB-S2	5/6	30.000	Conax	English,Bulgarian
	Europe B	VH1 Classic	TV	DVB-S2	3/4	30.000	Nagravision 3	English
	Europe B	Disney Channel Hrvatska	TV	DVB-S2	3/4	30.000	Conax/Nagravision 3	Croatian
	Europe B	Pink' o TV	TV	DVB-S2	5/6	30.000	Conax	Italian
	Europe B	CNN International Europe	TV	DVB-S2	3/4	30.000	Conax/Nagravision 3	English
	Europe B	Okhota i Rybalka	TV	DVB-S2	5/6	30.000	Conax	Russian
	Europe B	Bloomberg TV Bulgaria	TV	DVB-S2	5/6	30.000	Conax	Bulgarian
	Europe B	Fox Movies Hrvatska	TV	DVB-S2	3/4	30.000	Nagravision 3	Croatian
	Europe B	AXN White	TV	DVB-S2	5/6	30.000	Conax	Bulgarian,Czech,Romani an
	Europe B	RTL Passion	TV	DVB-S2	3/4	30.000	Nagravision 3	Croatian
	Europe B	AXN Black	TV	DVB-S2	5/6	30.000	Conax	Bulgarian
	Europe B	Fox Hrvatska	TV	DVB-S2	3/4	30.000	Conax/Nagravision 3	Croatian
	Europe B	BG Music Channel	TV	DVB-S2	5/6	30.000	Conax	Bulgarian
	Europe B	Otvoreni Radio	radio	DVB-S2	3/4	30.000		Croatian
	Europe B	Narodni Radio	radio	DVB-S2	3/4	30.000		Croatian
	Europe B	Box TV	TV	DVB-S2	5/6	30.000	Conax	Bulgarian
	Europe B	Antena Zagreb	radio	DVB-S2	3/4	30.000		Croatian
	Europe B	City TV	TV	DVB-S2	5/6	30.000	Conax	Bulgarian
	Europe B	Radio Marija Hrvatska	radio	DVB-S2	3/4	30.000		Croatian
	Europe B	Gold FM	radio	DVB-S2	3/4	30.000		Croatian
	Europe B	EKids	TV	DVB-S2	5/6	30.000	Conax	Bulgarian
	Europe B	Enter ZG	radio	DVB-S2	3/4	30.000		Croatian
	Europe B	Evrokom	TV	DVB-S2	5/6	30.000	Conax	Bulgarian
	Europe B	Radio Centar Studio Porec	radio	DVB-S2	3/4	30.000		Croatian
	Europe B	Planeta TV	TV	DVB-S2	5/6	30.000	Conax	Bulgarian
	Europe B	Tiankov Folk	TV	DVB-S2	5/6	30.000	Conax	Bulgarian
	Europe B	Bulgarian International TV	TV	DVB-S2	5/6	30.000	Conax	Bulgarian
	Europe B	Kanal 3	TV	DVB-S2	5/6	30.000	Conax	Bulgarian
	Europe B	Rodina	TV	DVB-S2	5/6	30.000	Conax	Bulgarian
	Europe B	Fashion TV HD Europe	TV	DVB-S2	5/6	30.000	Conax	
	Europe B	The Voice TV	TV	DVB-S2	5/6	30.000		Bulgarian
	Europe B	Magic TV	TV	DVB-S2	5/6	30.000		Bulgarian
	Europe B	Diema Sport	TV	DVB-S2	5/6	30.000	Conax	Bulgarian
	Europe B	Dusk TV Europe	TV	DVB-S2	5/6	30.000	Conax	English
11.596	H South East Africa	Nat Geo Wild France	TV	DVB-S2	8/9	29.980	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	Nickelodeon Teen	TV	DVB-S2	8/9	29.980	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	TFX	TV	DVB-S2	8/9	29.980	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	Dorcel TV	TV	DVB-S2	8/9	29.980	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	Azot Radio	radio	DVB-S2	8/9	29.980	Viaccess 2.3/Viaccess 2.5	French
	South East Africa	NRJ Maurice	radio	DVB-S2	8/9	29.980	Viaccess 2.3/Viaccess 2.5	French
11.637	H Europe B	Direct2home	package	DVB-S2	5/6	30.000	Conax/Nagravision 3/Videoguard	
	South East Africa	Canal Réunion	package	DVB-S2	8/9	30.000	Mediaguard 2	
	Europe B	Dorcel TV	TV	DVB-S2	5/6	30.000	Conax	French
	South East Africa	OCS choc	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	History Europe	TV	DVB-S2	5/6	30.000	Conax	Czech,Hungarian,English
	South East Africa	Trace Tropical	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	Nick Jr Europe	TV	DVB-S2	5/6	30.000	Conax	English
	South East Africa	OCS geants	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	Europe B	Vip HD	TV	DVB-S2	5/6	30.000		Serbian
	South East Africa	Cartoon Network France	TV	DVB-S2	8/9	30.000	Mediaguard 2	French
	South East Africa	BBC World News Africa	TV	DVB-S2	8/9	30.000	Mediaguard 2	English

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Europe B	Cartoon Network Bulgaria	TV	DVB-S2	5/6		30.000	Conax	English,Bulgarian,Russian
	Europe B	Disney Channel Bulgaria	TV	DVB-S2	5/6		30.000	Conax	Bulgarian,English
	Europe B	Disney Channel Romania	TV	DVB-S2	5/6		30.000	Conax	Romanian,English
	South East Africa	Game One	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	BNT HD	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	South East Africa	Ushuaia TV	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	Classica Deutschland	TV	DVB-S2	5/6		30.000	Conax	German
	Europe B	Havoc TV	TV	DVB-S2	5/6		30.000	Conax	English
	South East Africa	SFR Sport 3	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	AXN Spin Romania	TV	DVB-S2	5/6		30.000	Conax/Videoguard	Romanian,English
	South East Africa	XXL	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	Gold TV	TV	DVB-S2	5/6		30.000	Conax/Videoguard	Slovenian
	South East Africa	MUTV	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	Eurobet 5 ot 11	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	HBO Adria	TV	DVB-S2	5/6		30.000	Conax/Nagravision 3	English,Bulgarian,Slovenian,Macedonian,Serbian
	South East Africa	Disney Junior France	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	HBO 2 Central Europe	TV	DVB-S2	5/6		30.000	Conax/Nagravision 3	English,Slovenian,Macedonian,Serbian,Bulgarian
	South East Africa	ORTC TV	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	Barely Legal TV	TV	DVB-S2	5/6		30.000	Conax	English
	Europe B	Cinemax Central Europe	TV	DVB-S2	5/6		30.000	Conax/Nagravision 3	Bulgarian,Czech,Croatian,Slovenian,Serbian
	South East Africa	Foot + Mau Mada 2	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	Cinemax 2 Central Europe	TV	DVB-S2	5/6		30.000	Conax/Nagravision 3	Croatian,Bulgarian,Czech,Slovenian,Serbian
	South East Africa	TCM Cinéma	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	Disney Junior Romania & Bulgaria	TV	DVB-S2	5/6		30.000	Conax	English
	South East Africa	Penthouse Black	TV	DVB-S2	8/9		30.000	Mediaguard 2	English
	South East Africa	Voir +	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	Travel Channel Europe	TV	DVB-S2	5/6		30.000	Conax	Bulgarian,English
	South East Africa	TV Malagasy	TV	DVB-S2	8/9		30.000	Mediaguard 2	
	Europe B	HBO 3 Central Europe	TV	DVB-S2	5/6		30.000	Conax/Videoguard	Croatian,Slovenian,Serbian,Bulgarian,Macedonian,English
	South East Africa	SFR Sport 5	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	Europe B	CNN International Europe	TV	DVB-S2	5/6		30.000	Conax	English
	South East Africa	Syfy France	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	Foot + Mau Mada 1	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	BeIn Sports 3	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	Living Foodz	TV	DVB-S2	8/9		30.000	Mediaguard 2	
	South East Africa	Trace Sport Stars	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	Times Now	TV	DVB-S2	8/9		30.000	Mediaguard 2	English
	South East Africa	RFM TV	TV	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	Zee TV Africa	TV	DVB-S2	8/9		30.000	Mediaguard 2	Hindi
	South East Africa	Radio Record	radio	DVB-S2	8/9		30.000	Mediaguard 2	
	South East Africa	Radio des Jeunes	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	RTL Réunion	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	Radio Don Bosco	radio	DVB-S2	8/9		30.000	Mediaguard 2	French

Freq	Beam		Analog	Diff	Fec		Symb of Rate	Acces	Lang
	South East Africa	RNM	radio	DVB-S2	8/9		30.000	Mediaguard 2	
	South East Africa	Viva 98.8 FM	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	Ylang FM	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	MBC Kool FM	radio	DVB-S2	8/9		30.000	Mediaguard 2	
	South East Africa	Radio One	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
	South East Africa	Radio Plus FM	radio	DVB-S2	8/9		30.000	Mediaguard 2	French
11.678	H Europe B	Max TV	package	DVB-S2	3/4		30.000	Conax/Nagravision 3	
	South East Africa	Orange Réunion	package	DVB-S2	3/5		30.000	Viaccess 3.0	
	Europe B	Posavina TV	TV	DVB-S2	3/4		30.000		Croatian
	South East Africa	6ter	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	Arena Sport 5 Hrvatska	TV	DVB-S2	3/4		30.000	Nagravision 3	Croatian
	Europe B	Crime + Investigation UK	TV	DVB-S2	3/4		30.000	Nagravision 3	English
	South East Africa	OCS City	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	Viasat Nature East	TV	DVB-S2	3/4		30.000	Nagravision 3	English
	South East Africa	OCS choc	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	Sport Klub Golf	TV	DVB-S2	3/4		30.000	Nagravision 3	Croatian
	South East Africa	OCS geants	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	Dorcel XXX	TV	DVB-S2	3/4		30.000	Nagravision 3	French
	Europe B	H2 Polska	TV	DVB-S2	3/4		30.000	Conax/Nagravision 3	English
	Europe B	Mini TV	TV	DVB-S2	3/4		30.000	Conax/Nagravision 3	Croatian
	South East Africa	TV Breizh	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	MTV Dance	TV	DVB-S2	3/4		30.000	Nagravision 3	English
	South East Africa	Piwi +	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	MTV Hits	TV	DVB-S2	3/4		30.000	Nagravision 3	English
	South East Africa	Gulli Africa	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	Stingray Djazz	TV	DVB-S2	3/4		30.000	Nagravision 3	French
	South East Africa	Boomerang France	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	South East Africa	Ushuaia TV	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	24 Kitchen Hrvatska	TV	DVB-S2	3/4		30.000	Nagravision 3	Croatian
	South East Africa	NRJ 12	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	Comedy Central Extra Central Europe	TV	DVB-S2	3/4		30.000	Nagravision 3	English
	Europe B	Woman	TV	DVB-S2	3/4		30.000	Conax/Nagravision 3	Croatian
	South East Africa	Dorcel TV	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	Sportska TV	TV	DVB-S2	3/4		30.000	Conax/Nagravision 3	Croatian
	South East Africa	AB 1	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	Lov i ribolov	TV	DVB-S2	3/4		30.000	Nagravision 3	Croatian
	South East Africa	E! France	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	Klasik TV	TV	DVB-S2	3/4		30.000	Nagravision 3	Croatian
	South East Africa	M6	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	Astro Savet	TV	DVB-S2	3/4		30.000		Serbian
	Europe B	HRT 2	TV	DVB-S2	3/4	Y	30.000	Nagravision 3	Croatian
	South East Africa	OCS max	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	Arena Sport 1 Hrvatska	TV	DVB-S2	3/4		30.000	Nagravision 3	Croatian
	South East Africa	BeIn Sports 2	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	RTL Hrvatska	TV	DVB-S2	3/4	Y	30.000	Conax/Nagravision 3	Croatian
	Europe B	Nova TV	TV	DVB-S2	3/4	Y	30.000	Conax/Nagravision 3	Croatian
	South East Africa	RFM TV	TV	DVB-S2	3/5		30.000	Viaccess 3.0	French
	Europe B	RTL 2 Hrvatska	TV	DVB-S2	3/4		30.000	Conax/Nagravision 3	Croatian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	South East Africa	AB Moteurs	TV	DVB-S2	3/5	30.000	Viaccess 3.0	French
	Europe B	Doma Hrvatska	TV	DVB-S2	3/4	30.000	Conax/Nagravision 3	Croatian
	South East Africa	BeIn Sports 3	TV	DVB-S2	3/5	30.000	Viaccess 3.0	French
	Europe B	HRT 3	TV	DVB-S2	3/4	30.000	Nagravision 3	Croatian
	South East Africa	Histoire	TV	DVB-S2	3/5	30.000	Viaccess 3.0	French
	Europe B	Blue Hustler Europe	TV	DVB-S2	3/4	30.000	Nagravision 3	English
	South East Africa	C8	TV	DVB-S2	3/5	30.000	Viaccess 3.0	French
	South East Africa	CGTN Français	TV	DVB-S2	3/5	30.000	Viaccess 3.0	French
	South East Africa	Trace Urban	TV	DVB-S2	3/5	30.000	Viaccess 3.0	French
	South East Africa	Trace Africa	TV	DVB-S2	3/5	30.000	Viaccess 3.0	French
12.521	H Sub-Sahara Africa	My TV More	TV	DVB-S2	2/3	30.000	Conax	English
	Sub-Sahara Africa	Silverbird TV	TV	DVB-S2	2/3	30.000	Conax	English
	Sub-Sahara Africa	Homebase TV	TV	DVB-S2	2/3	30.000	Conax	English
	Sub-Sahara Africa	Nolly Africa	TV	DVB-S2	2/3	30.000	Conax	English
12.541	V Europe B	TV Dukagjini	TV	DVB-S2	3/4	19.970	Irdeto 2	Albanian
	Europe B	TV 21 Macedonia	TV	DVB-S2	3/4	19.970		Albanian
	Europe B	Zico TV	TV	DVB-S2	3/4	19.970		Albanian
	Europe B	Radio 21	radio	DVB-S2	3/4	19.970		Albanian
	Europe B	Radio Dukagjini	radio	DVB-S2	3/4	19.970		Albanian
12.562	H Sub-Sahara Africa	unknown	package	DVB-S2	2/3	30.000		
	Sub-Sahara Africa	TFM Infos	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	Olé TFM	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	TFM Religions	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	NW Sport 1	TV	DVB-S2	2/3	30.000		
	Sub-Sahara Africa	TVT	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	NW Info	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	NW Cinema	TV	DVB-S2	2/3	30.000		
	Sub-Sahara Africa	DBS TV	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	LoveWorld Plus	TV	DVB-S2	2/3	30.000		English
	Sub-Sahara Africa	Dieu TV	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	Cash Chrono	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	NW Magazine	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	Unafrika TV	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	La Beninoise TV	TV	DVB-S2	2/3	30.000		
	Sub-Sahara Africa	La Chrétienne TV	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	QTV Senegal	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	Vox TV	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	BB 24	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	TVC News Nigeria	TV	DVB-S2	2/3	30.000		English
	Sub-Sahara Africa	TVC Entertainment	TV	DVB-S2	2/3	30.000		English
	Sub-Sahara Africa	RFM	radio	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	Radio Kara	radio	DVB-S2	2/3	30.000		French

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Sub-Sahara Africa	Radio Lomé	radio	DVB-S2	2/3	30.000		French
12.564	V Europe B	Kanal D Romania	TV	DVB-S	3/4	3.617	BISS	Romanian
12.570	H Europe A	SIC Internacional	TV	DVB-S	7/8	3.703	BISS	Portuguese
12.574	V Europe B	Etno TV	TV	DVB-S2	2/3	6.500		Romanian
	Europe B	Taraf TV	TV	DVB-S2	2/3	6.500		Romanian
	Europe B	Estrada TV	TV	DVB-S2	2/3	6.500		Romanian
	Europe B	Alfa Omega TV International	TV	DVB-S2	2/3	6.500		Romanian
	Europe B	Traditii TV	TV	DVB-S2	2/3	6.500		Romanian
12.593	V Europe B	DM Sat	TV	DVB-S	2/3	2.500		Serbian
12.597	V Europe B	TVCG Sat	TV	DVB-S	2/3	2.848		Serbian
	Europe B	Radio CG	radio	DVB-S	2/3	2.848		Serbian
12.604	H Sub-Sahara Africa	TV Sat Africa	package	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	
	Sub-Sahara Africa	TF 1	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	France 2	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	France 3	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	France 5	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	France Ô	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	RTL 9	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	AB 3	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	Mangas	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	AB Moteurs	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	AB 1	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	Trek	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	Toute l'Histoire	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	Science & Vie TV	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	Animaux	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	Action	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	Nickelodeon Junior France	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	Crime District	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	TMC	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	Fox Sports Africa	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French,English
	Sub-Sahara Africa	KTO	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	Trace Africa	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	RTNC	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	Tiji	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	Gospel Music TV	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	A+	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	TV Sat Africa promo	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	XXL	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	Novelas TV	TV	DVB-S2	2/3	30.000	Conax/Nagravision/Viaccess	French
	Sub-Sahara Africa	RTL	radio	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	RFM	radio	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	Virgin Radio France	radio	DVB-S2	2/3	30.000		French

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Sub-Sahara Africa	Skyrock	radio	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	France Inter	radio	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	Fun Radio	radio	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	RMC	radio	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	Europe 1	radio	DVB-S2	2/3	30.000		French
12.640	H Europe B	RTSH	package	DVB-S2	3/5	10.833		
	Europe B	RTSH 1	TV	DVB-S2	3/5	10.833		Albanian
	Europe B	RTSH 3	TV	DVB-S2	3/5	10.833		Albanian
	Europe B	RTSH Shqip	TV	DVB-S2	3/5	10.833		Albanian
	Europe B	RTSH Muzikë	TV	DVB-S2	3/5	10.833		Albanian
	Europe B	Radio Tirana 1	radio	DVB-S2	3/5	10.833		Albanian
	Europe B	Radio Tirana 2	radio	DVB-S2	3/5	10.833		Albanian
	Europe B	Radio Tirana International	radio	DVB-S2	3/5	10.833		
	Europe B	Radio Tirana Klasik	radio	DVB-S2	3/5	10.833		Albanian
12.643	V Europe B	Pro X	TV	DVB-S2	3/4	12.500	Conax	Romanian
	Europe B	Pro 2	TV	DVB-S2	3/4	12.500	Conax	Romanian
	Europe B	Neptun TV	TV	DVB-S2	3/4	12.500		Romanian
	Europe B	Radio Trinitas	radio	DVB-S2	3/4	12.500		Romanian
	Europe B	Radio Reîntregirea	radio	DVB-S2	3/4	12.500		Romanian
12.654	H Europe B	Unire	package	DVB-S	2/3	11.111	PowerVu	
	Europe B	Unire TV 1	TV	DVB-S	2/3	11.111	PowerVu	Italian
	Europe B	Unire TV 2	TV	DVB-S	2/3	11.111	PowerVu	Italian
	Europe B	Unire Blu	TV	DVB-S	2/3	11.111	PowerVu	Italian
12.680	H Europe B	Joe	radio	DVB-S	1/2	.333		Dutch
12.699	H Europe B	SNAI	package	DVB-S	1/2	9.880		
	Europe B	SNAI Sat	TV	DVB-S	1/2	9.880	PowerVu	Italian
	Europe B	Sport Virtuali 2	TV	DVB-S	1/2	9.880		Italian
	Europe B	Sport Virtuali 3	TV	DVB-S	1/2	9.880		Italian
12.717	H Europe B	Centrul National Media	package	DVB-S2	3/4	6.403	BISS	
	Europe B	National TV	TV	DVB-S2	3/4	6.403	BISS	Romanian
	Europe B	National 24 Plus	TV	DVB-S2	3/4	6.403	BISS	Romanian
	Europe B	Favorit TV	TV	DVB-S2	3/4	6.403		Romanian
	Europe B	Fresh FM	radio	DVB-S2	3/4	6.403		Romanian
	Europe B	RFI România	radio	DVB-S2	3/4	6.403		Romanian
	Europe B	National FM	radio	DVB-S2	3/4	6.403		Romanian
	Europe B	Favorit FM	radio	DVB-S2	3/4	6.403		Romanian
12.738	H Europe B	Realitatea Media	package	DVB-S	3/4	4.500		
	Europe B	Realitatea TV	TV	DVB-S	3/4	4.500		Romanian
	Europe B	Realitatea Plus	TV	DVB-S	3/4	4.500		Romanian
21.538	H Europe C	Vision 4	TV	DVB-S2	3/4	1.054		French
21.540	H Europe C	Equinoxe TV	TV	DVB-S2	3/4	1.071		French
21.541	H Europe C	Eden TV	TV	DVB-S2	3/4	1.071		French
	Europe C	Diaspora FM	radio	DVB-S2	3/4	1.071		French
21.543	H Europe C	TV Carrefour	TV	DVB-S2	3/4	1.100		French
21.545	H Europe C	STV	package	DVB-S2	5/6	2.143		
	Europe C	Boom TV	TV	DVB-S2	5/6	2.143		French
	Europe C	STV	TV	DVB-S2	5/6	2.143		French
21.547	H Europe C	Golfe TV Africa	TV	DVB-S2	5/6	1.238		French
	Europe C	Golfe FM	radio	DVB-S2	5/6	1.238		French
21.548	H Europe C	Alpha Blondy FM	radio	DVB-S	3/4	.144		French
21.562	H Europe C	ImpacTV	TV	DVB-S2	2/3	1.010		French
21.563	H Europe C	Burkina Info TV	TV	DVB-S2	2/3	1.250		French
21.564	H Europe C	Radio Immaculée Conception	radio	DVB-S	3/4	.128		French
21.571	H Europe C	TFM	package	DVB-S2	5/6	2.900		
	Europe C	TFM	TV	DVB-S2	5/6	2.900		French
	Europe C	TFM Religions	TV	DVB-S2	5/6	2.900		French
	Europe C	RFM	radio	DVB-S2	5/6	2.900		French
21.576	H Europe C	Sweet FM Vision	TV	DVB-S2	3/4	3.332		French

## EUTELSAT 21B

10.919	H Wide	Turner	package	DVB-S2	3/5	33.707	Viaccess 5.0	
	Wide	Boomerang EMEA	TV	DVB-S2	3/5	33.707	Viaccess 5.0	English,Arabic,Greek



Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	Cartoon Network Arabic	TV	DVB-S2	3/5	33.707	Viaccess 5.0	English,Arabic
	Wide	CNN International Europe	TV	DVB-S2	3/5	33.707	Viaccess 5.0	English
	Wide	HLN International	TV	DVB-S2	3/5	33.707	Viaccess 5.0	English
	Wide	TCM Middle East	TV	DVB-S2	3/5	33.707	Viaccess 5.0	English
	Wide	Cartoon Network India	TV	DVB-S2	3/5	33.707	Viaccess 5.0	Hindi
11.175	V Western	BW TV	TV	DVB-S2	3/4	2.067	Conax	German
	Western	Radio Andernach	radio	DVB-S2	3/4	2.067	Conax	German
11.358	V Wide	Skylogic	interactiv e	DVB-S	2/3	7.500		
11.394	H Wide	Topaz TV	package	DVB-S2	3/4	2.690	Nagravision/BISS	
	Wide	Topaz TV	TV	DVB-S2	3/4	2.690	BISS	Azerbaijan
	Wide	Topaz TV	TV	DVB-S2	3/4	2.690	Nagravision	Azerbaijan
11.480	V Wide	Aqsa Satellite Channel	TV	DVB-S	3/4	2.222		Arabic
11.484	H Wide	Al-Iman TV	TV	DVB-S2	3/4	1.483		Arabic
	Wide	Radio Albachaer	radio	DVB-S2	3/4	1.483		Arabic
11.486	H Wide	Libya Panorama Channel	TV	DVB-S2	8/9	1.497		Arabic
11.488	V Wide	Afaq Satellite Channel	TV	DVB-S2	3/4	2.150		Arabic
	Wide	Alghadeer TV	TV	DVB-S2	3/4	1.953		Arabic
11.491	V Wide	Alquds Satellite Channel	TV	DVB-S2	3/4	2.210		Arabic
11.496	H Wide	Al Jadeed Sat	TV	DVB-S	3/4	2.500		
11.497	V Wide	ERI TV 1	TV	DVB-S	3/4	2.170		
	Wide	Radio Zara FM	radio	DVB-S	3/4	2.170		Tigrinya
	Wide	Dimtsi Hafash	radio	DVB-S	3/4	2.170		
11.499	H Wide	Iraq Education Channel	TV	DVB-S	3/4	2.170		Arabic
11.517	H Wide	Rûdaw	TV	DVB-S2	5/6	3.220		Kurdish
	Wide	Rûdaw Radio	radio	DVB-S2	5/6	3.220		Kurdish
	Wide	Rûdaw Music	radio	DVB-S2	5/6	3.220		Kurdish
11.520	H Wide	Iran Press	TV	DVB-S	3/4	2.220		English
11.543	V Wide	Al Baenah Iraq TV	TV	DVB-S2	5/6	1.600		Arabic
11.547	V Wide	Yemen TV	TV	DVB-S	5/6	2.000		Arabic
	Wide	Radio Sana'a	radio	DVB-S	5/6	2.000		Arabic
11.569	H Western	Arrayadia	package	DVB-S2	3/4	7.220		
	Western	Arrayadia	TV	DVB-S2	3/4	7.220		Arabic
	Western	Arrayadia	TV	DVB-S2	3/4	7.220		Arabic
	Western	Arrayadia Live	TV	DVB-S2	3/4	7.220		Arabic
11.578	H Western	Medi 1 Radio	package	DVB-S	2/3	.512		
	Western	Medi 1 Maghreb	radio	DVB-S	2/3	.512		Arabic
	Western	Medi 1 Afrique	radio	DVB-S	2/3	.512		French
11.582	V Wide	MBC Maghreb Al-Arabia	TV	DVB-S	7/8	2.850	BISS	Arabic
11.585	V Wide	MBC FM	radio	DVB-S2	7/8	2.850	BISS	Arabic
	Wide	Panorama FM	radio	DVB-S2	7/8	2.850	BISS	Arabic
11.590	V Wide	MBC Maser	TV	DVB-S	7/8	2.857	BISS	Arabic
11.599	H Western	Chada FM	package	DVB-S	3/4	.255		
	Western	Chada FM	radio	DVB-S	3/4	.255		Arabic
	Western	Chada FM	radio	DVB-S	3/4	.255		Arabic
11.604	H Western	Luxe Radio	radio	DVB-S	3/4	.185		French
11.610	H Western	Skylogic	interactiv e	DVB-S	7/8	6.200	Creation	
11.613	H Western	MFM Radio	package	DVB-S	3/4	.376		
	Western	MFM Radio Casablanca	radio	DVB-S	3/4	.376		Arabic
	Western	MFM Radio Agadir	radio	DVB-S	3/4	.376		Arabic
	Western	MFM Radio Marrakech	radio	DVB-S	3/4	.376		Arabic
	Western	MFM Radio Fes	radio	DVB-S	3/4	.376		Arabic
11.674	H Wide	BW TV	TV	DVB-S2	5/6	1.813	Conax	German
	Wide	Radio Andernach	radio	DVB-S2	5/6	1.813	Conax	German
11.678	V Wide	Al Hadath	TV	DVB-S	7/8	2.850		Arabic
11.693	V Wide	OTV	TV	DVB-S2	5/6	1.660		Arabic
12.537	V Wide	Ronahî TV	TV	DVB-S	3/4	2.222		Kurdish

## EUTELSAT 25B/ES'HAIL 1

11.045	H MENA Ku	Aljazeera	package	DVB-S2	2/3	27.500		
	MENA Ku	Aljazeera Channel	TV	DVB-S2	2/3	27.500		Arabic
	MENA Ku	Aljazeera English	TV	DVB-S2	2/3	27.500		English
	MENA Ku	Aljazeera Documentary	TV	DVB-S2	2/3	27.500		Arabic
11.084	H MENA Ku	BeIn	package	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA Ku	Fox Middle East	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	
	MENA Ku	Fox Movies Middle East	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
	MENA Ku	Star Movies Middle East	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
	MENA Ku	Star World Middle East	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
	MENA Ku	Baby TV Europe	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English,Arabic
	MENA Ku	Fox Action Movies	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
11.123	H East	Yemeni mux	package	DVB-S	5/6	27.500		
	East	Aden TV	TV	DVB-S	5/6	27.500		Arabic
	East	Yemen TV	TV	DVB-S	5/6	27.500		Arabic
11.142	V MENA Ku	unknown	package	DVB-S	3/4	27.500		
	MENA Ku	Al Resoul	TV	DVB-S	3/4	27.500		Arabic
	MENA Ku	Al Rafidain TV	TV	DVB-S	3/4	27.500		Arabic
	MENA Ku	Alaraby TV	TV	DVB-S	3/4	27.500		Arabic
	MENA Ku	Alaraby TV	TV	DVB-S	3/4	27.500		Arabic
	MENA Ku	Mekameleen TV	TV	DVB-S	3/4	27.500		Arabic
	MENA Ku	Al Rayyan Radio	radio	DVB-S	3/4	27.500		Arabic
	MENA Ku	Al Rayyan Satellite Channel	TV	DVB-S	3/4	27.500		Arabic
	MENA Ku	Albawadi TV	TV	DVB-S	3/4	27.500		Arabic
	MENA Ku	Sout Al Islam	radio	DVB-S	3/4	27.500		Arabic
11.180	V MENA Ku	BeIn	package	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	
	MENA Ku	BeIn Gourmet	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic
	MENA Ku	BeIn Box Office 1	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic
	MENA Ku	BeIn Box Office 1 HD	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
	MENA Ku	FX Middle East	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic
	MENA Ku	BeIn Drama HD 1	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
11.547	V MENA Ku	BeIn	package	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	
	MENA Ku	BeIn Sports HD 1	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic,English
	MENA Ku	BeIn Sports HD 2	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic,English
	MENA Ku	BeIn Sports HD 3	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic,English
	MENA Ku	BeIn Sports HD 4	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic,English
	MENA Ku	BeIn Movies HD 1	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
	MENA Ku	BeIn Series HD 2	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
11.566	H MENA Ku	BeIn Sports Global	TV	DVB-S2	2/3	27.500		Arabic
	MENA Ku	BeIn Sports News	TV	DVB-S2	2/3	27.500		Arabic
11.604	H MENA Ku	Aljazeera	package	DVB-S	3/4	27.500		
	MENA Ku	Aljazeera Channel	TV	DVB-S	3/4	27.500		Arabic
	MENA Ku	Aljazeera Mubasher	TV	DVB-S	3/4	27.500		Arabic
	MENA Ku	Aljazeera English	TV	DVB-S	3/4	27.500		English
	MENA Ku	Aljazeera Documentary	TV	DVB-S	3/4	27.500		Arabic
	MENA Ku	Qatar TV	TV	DVB-S	3/4	27.500		Arabic
	MENA Ku	Aljazeera Mubasher Misr	TV	DVB-S	3/4	27.500		Arabic
11.623	V MENA Ku	BeIn	package	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	
	MENA Ku	BeIn Sports HD 9	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic,English
	MENA Ku	BeIn Sports HD 10	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	Arabic,English
	MENA Ku	BeIn Sports HD 11	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
	MENA Ku	BeIn Sports HD 12	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
	MENA Ku	BeIn Movies HD 4	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
11.642	H MENA Ku	BeIn	package	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	
	MENA Ku	BeIn Sports HD 13	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
	MENA Ku	BeIn Sports HD 14	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	French
11.669	V MENA Ku	BeIn	package	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	
	MENA Ku	National Geographic Middle East	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
	MENA Ku	Nat Geo People Asia	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
	MENA Ku	Nat Geo Wild Asia	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
	MENA Ku	Channel V International	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
	MENA Ku	HGTV Arabia	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	English
	MENA Ku	Fox Family Movies	TV	DVB-S2	2/3	27.500	Irdeto 2/Videoguard	
11.678	H MENA Ku	Noorsat	package	DVB-S	5/6	27.500		
	MENA Ku	Al Mayadeen TV	TV	DVB-S	5/6	27.500		Arabic
	MENA Ku	Wesal Haq	TV	DVB-S	5/6	27.500		
	MENA Ku	Alalam News Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA Ku	Alkarma TV Middle East 1	TV	DVB-S	5/6	27.500		Arabic
	MENA Ku	IUC	TV	DVB-S	5/6	27.500		Arabic
	MENA Ku	Nour Kids	TV	DVB-S	5/6	27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	MENA Ku	Orient News	TV	DVB-S	5/6	27.500		Arabic
	MENA Ku	Aqsa Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA Ku	The Word Network	TV	DVB-S	5/6	27.500		English
	MENA Ku	Alghadeer TV	TV	DVB-S	5/6	27.500		Arabic
	MENA Ku	SBN International	TV	DVB-S	5/6	27.500		English
	MENA Ku	OTV	TV	DVB-S	5/6	27.500		Arabic
	MENA Ku	Taha TV	TV	DVB-S	5/6	27.500		Arabic
	MENA Ku	The Overcomer	radio	DVB-S	5/6	27.500		English
21.478	H MENA Ka	SNRT	package	DVB-S	3/4	21.422		
	MENA Ka	Al Aoula Maroc	TV	DVB-S	3/4	21.422		Arabic
	MENA Ka	2M Monde	TV	DVB-S	3/4	21.422		Arabic
	MENA Ka	Arryadia	TV	DVB-S	3/4	21.422		Arabic
	MENA Ka	Athaqafia	TV	DVB-S	3/4	21.422		Arabic
	MENA Ka	Al Maghribia	TV	DVB-S	3/4	21.422		Arabic
	MENA Ka	Assadissa	TV	DVB-S	3/4	21.422		Arabic
	MENA Ka	Medi 1 TV Afrique	TV	DVB-S	3/4	21.422		French

### EUTELSAT 28E

11.386	V UK	Sky UK	package	DVB-S2	3/4	29.500	Videoguard	
	UK	Sky UK	package	DVB-S2	8/9	29.500	Videoguard	
	UK	BT Sport 1	TV	DVB-S2	3/4	29.500	Videoguard	English
	UK	BT Sport 2	TV	DVB-S2	8/9	29.500	Videoguard	English
	UK	BT Sport 1 in Pubs	TV	DVB-S2	8/9	29.500	Videoguard	English
	UK	BT Sport 3	TV	DVB-S2	3/4	29.500	Videoguard	English
	UK	BT Sport ESPN	TV	DVB-S2	8/9	29.500	Videoguard	English
11.426	H UK	The Racing Partnership	TV	DVB-S	2/3	27.500	Conax	English
	UK	Sky UK	package	DVB-S	5/6	27.500		
	UK	Food Network UK	TV	DVB-S	5/6	27.500		English
	UK	PBS America	TV	DVB-S	5/6	27.500		English
	UK	Food Network UK +1	TV	DVB-S	5/6	27.500		English
	UK	Dunya News USA	TV	DVB-S	5/6	27.500		Urdu
	UK	Gems TV	TV	DVB-S	5/6	27.500		English
	UK	ARY Family	TV	DVB-S	5/6	27.500		Urdu
	UK	YourTV	TV	DVB-S	5/6	27.500		English
	UK	At The Races Ireland	TV	DVB-S	5/6	Y 27.500	Videoguard	English
	UK	True Crime	TV	DVB-S	5/6	27.500		English
	UK	Babestation	TV	DVB-S	5/6	27.500		English
	UK	Craft Extra	TV	DVB-S	5/6	27.500		English
	UK	FreeSports	TV	DVB-S	5/6	27.500		English
	UK	France 24 English	TV	DVB-S	5/6	27.500		English
	UK	TV 5 Monde Europe	TV	DVB-S	5/6	Y 27.500		French

### EUTELSAT 28F

11.306	H UK	Sky UK	package	DVB-S	5/6	27.500	Videoguard	
	UK	Tru TV UK +1	TV	DVB-S	5/6	27.500		English
	UK	Universal Channel UK +1	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	E! Ireland	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	Tru TV UK	TV	DVB-S	5/6	27.500		English
	UK	E! UK	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	Syfy UK	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	Universal Channel UK	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	Universal Channel Ireland	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	Movies 24 UK	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	Movies 24 UK +	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	Syfy UK +1	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	Motorsport TV UK	TV	DVB-S	5/6	27.500		English
	UK	S4C	TV	DVB-S	5/6	27.500		English,Welsh
11.344	V UK	Sky UK	package	DVB-S	5/6	27.500		
	UK	Sky UK	package	DVB-S	5/6	27.500	Videoguard	
	UK	CBS Drama UK	TV	DVB-S	5/6	27.500		English
	UK	Studio 66 TV 1	TV	DVB-S	5/6	27.500		English
	UK	Box Nation	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	Horror Channel UK	TV	DVB-S	5/6	27.500		English
	UK	Babestation Blue	TV	DVB-S	5/6	27.500		English
	UK	BT Sport 1	TV	DVB-S	5/6	27.500	Videoguard	English

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	UK	Babestation Daytime Xtra	TV	DVB-S	5/6		27.500		English
	UK	BT Sport Extra 2	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	BT Sport Extra 3	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	CBS Action UK	TV	DVB-S	5/6		27.500		English
	UK	BT Sport 3	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	BT Sport Extra 4	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	BT Sport Extra 5	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	High Street TV 3	TV	DVB-S	5/6		27.500		English
	UK	BT Sport Extra 6	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	CBS Reality UK	TV	DVB-S	5/6		27.500		English
	UK	BT Sport Extra 1	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	CBS Reality UK +1	TV	DVB-S	5/6		27.500		English
	UK	BT Sport 2	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	Horror Channel UK +1	TV	DVB-S	5/6		27.500		English
	UK	BT Sport ESPN	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	BT Sport mosaic	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	BT Sport mosaic	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	Babecall 2	TV	DVB-S	5/6		27.500		English
	UK	S4C	TV	DVB-S	5/6	Y	27.500		Welsh,English

## EUTELSAT 28G

11.224	H	Europe Ku	Sky UK	package	DVB-S	2/3	27.500		
		Europe Ku	Sky UK	package	DVB-S2	2/3	23.000		
		Europe Ku	NHK World TV	TV	DVB-S2	2/3	23.000		English
		Europe Ku	RT UK	TV	DVB-S2	2/3	23.000		English
		Europe Ku	Arirang World	TV	DVB-S2	2/3	23.000		English
		Europe Ku	Premier Sports	TV	DVB-S2	2/3	23.000	Videoguard	English
		Europe Ku	Front Runner TV	TV	DVB-S	2/3	27.500		English
		Europe Ku	Property TV	TV	DVB-S	2/3	27.500		English
		Europe Ku	BFBS Radio Digital	radio	DVB-S	2/3	27.500		English
		Europe Ku	LBC London	radio	DVB-S	2/3	27.500		English
		Europe Ku	Heart 106.2 London	radio	DVB-S	2/3	27.500		English
		Europe Ku	Heart 80s	radio	DVB-S	2/3	27.500		English
		Europe Ku	Absolute Radio	radio	DVB-S	2/3	27.500		English
		Europe Ku	Absolute Radio 80s	radio	DVB-S	2/3	27.500		English
		Europe Ku	Absolute Radio 90s	radio	DVB-S	2/3	27.500		English
		Europe Ku	Absolute Radio Classic Rock	radio	DVB-S	2/3	27.500		English
11.264	H	Europe Ku	Sky UK	package	DVB-S	2/3	27.500		
		Europe Ku	Sky UK	package	DVB-S	2/3	27.500		
		Europe Ku	Phoenix CNE	TV	DVB-S	2/3	27.500		English,Chinese
		Europe Ku	Islam Channel Urdu	TV	DVB-S	2/3	27.500		Urdu
		Europe Ku	MTA 1	TV	DVB-S	2/3	27.500		Urdu,English,French,German,Arabic,Bengali
		Europe Ku	TBN UK	TV	DVB-S	2/3	27.500		English
		Europe Ku	God TV UK	TV	DVB-S	2/3	27.500		English
		Europe Ku	Revelation TV	TV	DVB-S	2/3	27.500		English
		Europe Ku	Peace TV English	TV	DVB-S	2/3	27.500		English
		Europe Ku	EWTN UK & Ireland	TV	DVB-S	2/3	27.500		English
		Europe Ku	Peace TV Urdu	TV	DVB-S	2/3	27.500		Urdu
		Europe Ku	EWTN Radio Europe/UK	radio	DVB-S	2/3	27.500		English
11.582	H	Europe Ku	Sony Max UK	TV	DVB-S	5/6	Y 22.000	Videoguard	English
		Europe Ku	Propeller TV	TV	DVB-S	5/6	22.000		English
		Europe Ku	Rishtey Europe	TV	DVB-S	5/6	22.000	Videoguard	Hindi
		Europe Ku	Olive TV	TV	DVB-S	5/6	22.000		English
		Europe Ku	Kanshi TV	TV	DVB-S	5/6	22.000		
		Europe Ku	Channel Aka	TV	DVB-S	5/6	22.000		English
		Europe Ku	Star Plus UK	TV	DVB-S	5/6	22.000	Videoguard	Hindi
		Europe Ku	ABN TV	TV	DVB-S	5/6	22.000		English
		Europe Ku	Star Gold UK	TV	DVB-S	5/6	22.000	Videoguard	Hindi
		Europe Ku	Eman Channel	TV	DVB-S	5/6	22.000		English
		Europe Ku	Safeer TV	TV	DVB-S	5/6	22.000		English
		Europe Ku	TCM UK +1	TV	DVB-S	5/6	22.000	Videoguard	English
		Europe Ku	Star Bharat UK	TV	DVB-S	5/6	22.000	Videoguard	Hindi
		Europe Ku	Panjab Radio	radio	DVB-S	5/6	22.000		Panjabi
		Europe Ku	Sukh Sagar Radio	radio	DVB-S	5/6	22.000		Panjabi

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Europe Ku	Kiss FM	radio	DVB-S	5/6	22.000		English
	Europe Ku	Magic 105.4	radio	DVB-S	5/6	22.000		English
11.597	V Europe Ku	Sky UK	package	DVB-S	5/6	22.000		
	Europe Ku	Travel Channel UK +1	TV	DVB-S	5/6	22.000		English
	Europe Ku	Channels 24	TV	DVB-S	5/6	22.000		English
	Europe Ku	The Jewellery Channel	TV	DVB-S	5/6	22.000		English
	Europe Ku	Vintage TV	TV	DVB-S	5/6	22.000		English
	Europe Ku	Thane	TV	DVB-S	5/6	22.000		English
	Europe Ku	GN TV	TV	DVB-S	5/6	22.000		English
	Europe Ku	Gospel Channel Europe	TV	DVB-S	5/6	22.000		English
	Europe Ku	Ideal World	TV	DVB-S	5/6	22.000		English
	Europe Ku	Yanga!	TV	DVB-S	5/6	22.000		English
	Europe Ku	SBN International	TV	DVB-S	5/6	22.000		English,Spanish
	Europe Ku	Ideal Extra	TV	DVB-S	5/6	22.000		English
	Europe Ku	Takbeer TV	TV	DVB-S	5/6	22.000		Arabic
	Europe Ku	Create and Craft	TV	DVB-S	5/6	22.000		English
	Europe Ku	Showcase TV	TV	DVB-S	5/6	22.000		English
	Europe Ku	CNC World English	TV	DVB-S	5/6	22.000		English
11.612	H Europe Ku	Sky UK	package	DVB-S2	2/3	23.000		
	Europe Ku	Record TV Reino Unido	TV	DVB-S2	2/3	23.000		Portuguese
	Europe Ku	Aljazeera English	TV	DVB-S2	2/3	23.000		English
11.656	V Europe Ku	Sky UK	package	DVB-S	5/6	22.000	Videoguard	
	Europe Ku	TV X	TV	DVB-S	5/6	22.000	Videoguard	English
	Europe Ku	TV X Pornstars	TV	DVB-S	5/6	22.000	Videoguard	English
	Europe Ku	40+	TV	DVB-S	5/6	22.000	Videoguard	English
	Europe Ku	Holiday & Cruise TV	TV	DVB-S	5/6	22.000		English
	Europe Ku	CraftMarket	TV	DVB-S	5/6	22.000		English
	Europe Ku	Price Crash	TV	DVB-S	5/6	22.000		English
	Europe Ku	UK 44	TV	DVB-S	5/6	22.000		Urdu
	Europe Ku	Zee TV UK	TV	DVB-S	5/6	22.000	Videoguard	Hindi
	Europe Ku	Jus Punjabi	TV	DVB-S	5/6	22.000		Punjabi
11.671	H Europe Ku	Cartoon Network UK	TV	DVB-S	5/6	22.000	Videoguard	English
	Europe Ku	Boomerang UK	TV	DVB-S	5/6	22.000	Videoguard	English
	Europe Ku	Boomerang UK +1	TV	DVB-S	5/6	22.000	Videoguard	English
	Europe Ku	Cartoon Network UK +1	TV	DVB-S	5/6	22.000	Videoguard	English
	Europe Ku	CNN International Europe	TV	DVB-S	5/6	Y 22.000		English
	Europe Ku	CNN International Europe	TV	DVB-S	5/6	22.000		English
11.686	V Europe Ku	Colors	TV	DVB-S2	2/3	23.000	Videoguard	Hindi
	Europe Ku	Daystar TV	TV	DVB-S2	2/3	23.000		English

## EUTELSAT 36B

11.212	H Eurasia	GeoSat	package	DVB-S2	3/5	14.400		
	Eurasia	Rustavi 2	TV	DVB-S2	3/5	14.400		Georgian
	Eurasia	Comedy TV	TV	DVB-S2	3/5	14.400		Georgian
	Eurasia	Marao TV	TV	DVB-S2	3/5	14.400		Georgian
	Eurasia	Kavkasia TV	TV	DVB-S2	3/5	14.400		Georgian
	Eurasia	1 TV	TV	DVB-S2	3/5	14.400		Georgian
	Eurasia	Radio 1	radio	DVB-S2	3/5	14.400		Georgian
	Eurasia	Green Wave FM	radio	DVB-S2	3/5	14.400		Georgian
	Eurasia	Radio Maestro	radio	DVB-S2	3/5	14.400		Georgian
11.221	V South Africa	Zap	package	DVB-S2	5/6	30.000	Nagravision	
	South Africa	TV Cine 4	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	CCTV 4 Europe	TV	DVB-S2	5/6	30.000	Nagravision	Chinese
	South Africa	Zap Viva	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	RTP Internacional Europa	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	SIC Radical	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	RFM TV	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	NBA TV	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Extreme Sports Channel	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Fine Living	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Bloomberg TV Africa	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	BBC World News Africa	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Disney Junior Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Discovery Science	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	JimJam Europe	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	South Africa	Nautical Channel	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	WooHoo	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	TV Cine 1	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	TVI Ficção	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Kiss TV	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Stingray IConcerts	TV	DVB-S2	5/6	30.000	Nagravision	English
11.230	H Eurasia	Stereo+	package	DVB-S2	3/5	15.000		
	Eurasia	Imedi TV	TV	DVB-S2	3/5	15.000	BISS	Georgian
	Eurasia	Rustavi 2	TV	DVB-S2	3/5	15.000		Georgian
	Eurasia	GDS TV	TV	DVB-S2	3/5	15.000	BISS	Georgian
	Eurasia	Marao TV	TV	DVB-S2	3/5	15.000		Georgian
	Eurasia	TV Pirveli	TV	DVB-S2	3/5	15.000		Georgian
	Eurasia	Comedy TV	TV	DVB-S2	3/5	15.000		Georgian
	Eurasia	Obieqivi TV	TV	DVB-S2	3/5	15.000		Georgian
	Eurasia	Iberia TV	TV	DVB-S2	3/5	15.000		Georgian
11.254	H Eurasia	Nat Geo Wild Europe	TV	DVB-S2	2/3	15.000	Irdeto 2	English,Czech,Russian,Hebrew,Bulgarian
	Eurasia	BNT World	TV	DVB-S2	2/3	15.000		Bulgarian
	Eurasia	Fox Greece	TV	DVB-S2	2/3	15.000	Irdeto 2	Greek,English
	Eurasia	Fox Life Greece	TV	DVB-S2	2/3	15.000	Irdeto 2	Greek,English
	Eurasia	Fight Network	TV	DVB-S2	2/3	15.000	Irdeto 2/PowerVu	English
11.263	V South Africa	Zap	package	DVB-S2	5/6	30.000	Nagravision	
	South Africa	Food Network EMEA	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Canal Panda Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Biggs	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Afro Music Channel	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	C Music TV	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Baby TV Europe	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	CGTN	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Fox Movies Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Soico TV	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Box Hits	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Fox Comedy Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Aljazeera Channel	TV	DVB-S2	5/6	30.000	Nagravision	Arabic
	South Africa	Fox Life Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	A&E Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Fox Sports Africa	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	História Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Rossiya 24	TV	DVB-S2	5/6	30.000	Nagravision	Russian
	South Africa	TVI Internacional	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Syfy Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	TVE Internacional Europa	TV	DVB-S2	5/6	30.000	Nagravision	Spanish
	South Africa	Luxe TV	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	MyZen Nature	TV	DVB-S2	5/6	30.000	Nagravision	
	South Africa	Odisseia	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	MyZen Music	TV	DVB-S2	5/6	30.000	Nagravision	
	South Africa	NBA TV	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Zap Viva	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
11.304	V South Africa	Zap	package	DVB-S2	5/6	30.000	Nagravision	
	South Africa	Ushuaia TV	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	Histoire	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	LCI	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	TV Globo Internacional Europa/Africa	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	France Ô	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	France 2	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	France 3	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	France 5	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	Outdoor Channel International	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Motorvision TV	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	A Bola TV	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Fight Network	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	SIC K	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Novelas	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	EuroNews Português	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	South Africa	Sport TV África 1	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	TV Séries	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Fox Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Benfica TV	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Be Kuduro	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Globo On	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	CM TV	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	MTV Beats	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	La Liga na Zap	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
11.346	V South Africa	Zap	package	DVB-S2	5/6	30.000	Nagravision	
	South Africa	SIC Mulher	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	SIC Caras	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	24 Kitchen Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	RTR Planeta	TV	DVB-S2	5/6	30.000	Nagravision	Russian
	South Africa	BabyFirst TV	TV	DVB-S2	5/6	30.000	Nagravision	Spanish,Portuguese
	South Africa	RTP África	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	RTP 3	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	TVI 24	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Colors	TV	DVB-S2	5/6	30.000	Nagravision	Hindi
	South Africa	Sporting TV	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Canal 24 Horas	TV	DVB-S2	5/6	30.000	Nagravision	Spanish
	South Africa	MCM Top	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	Afro Music Concert	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Band Internacional	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Cubavisión Internacional	TV	DVB-S2	5/6	30.000	Nagravision	Spanish
	South Africa	Fox Life Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	France 24 Français	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	Sport TV África 1	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Stingray Brava	TV	DVB-S2	5/6	30.000	Nagravision	Dutch
	South Africa	The Box Africa	TV	DVB-S2	5/6	30.000	Nagravision	English
11.387	V South Africa	Zap	package	DVB-S2	5/6	30.000	Nagravision	
	South Africa	AXN Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	AXN Black Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	TLN Network	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Caza y Pesca	TV	DVB-S2	5/6	30.000	Nagravision	Spanish
	South Africa	Canal Hollywood Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Travel Channel Europe	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Tiji	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	MUTV	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Band News	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Disney Channel Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Nat Geo Wild South Africa	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Rai Italia Africa	TV	DVB-S2	5/6	30.000	Nagravision	Italian
	South Africa	Aljazeera English	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Fox Crime Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Porto Canal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Fox Sports 2 Africa	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	Afro Music Angola	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Blast	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	National Geographic Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Fashion TV HD Europe	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	AXN Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	TV Globo Internacional Europa/África	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Fox Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	BET International	TV	DVB-S2	5/6	30.000	Nagravision	English
11.429	V South Africa	Zap	package	DVB-S2	5/6	30.000	Nagravision	
	South Africa	Canal Programação	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	TPA 1	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	TPA 2	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	TV Zimbo	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	TIM	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	MTV Base Africa	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	TVM	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap promo	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	South Africa	Digital Congo TV	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	TV Sucesso	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Filmes 1	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Filmes 3	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	MTV India	TV	DVB-S2	5/6	30.000	Nagravision	English
	South Africa	RTNC	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	Télé 50	TV	DVB-S2	5/6	30.000	Nagravision	French
	South Africa	Zap Filmes 1	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	TVM Internacional	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	TPA Internacional	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Filmes 2	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Rádio Mais	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Rádio Cazenga	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Rádio Luanda	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Rádio Ecclesia	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	FM Estéreo	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Luanda Antena Comercial	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Rádio Cinco	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Canal A	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Rádio Viana	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Rádio Escola	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Rock	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Blue	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Jazz	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Dance Clubbin	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Easy Listening	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Hip Hop	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Trance	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Reggae	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap The Chill Lounge	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap 80's	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap 90's	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Pop	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Classic Music	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
	South Africa	Zap Afro Beat	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
11.474	V South Africa	DSTV Africa	package	DVB-S	5/6	30.000	Irdeto 2	
	South Africa	AXN Portugal	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	TPA 1	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	TPA 2	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Canal Panda Portugal	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	TVM	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Disney Channel Portugal	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Cartoon Network Portugal	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	AXN White Portugal	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	AXN Black Portugal	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Soico TV	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
11.491	V Eurasia	Al Mayadeen TV	TV	DVB-S2	3/4	2.200		Arabic
11.510	V South Africa	DSTV Africa	package	DVB-S	5/6	30.000	Irdeto 2	
	South Africa	Fox Portugal	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Fox Life Portugal	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Fox Crime Portugal	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Fox Comedy Portugal	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	TV Cine 1	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	TV Cine 2	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	TV Cine 3	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	TV Cine 4	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	TV Séries	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Banda TV	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
11.557	V South Africa	DSTV Africa	package	DVB-S	5/6	30.000	Irdeto 2	
	South Africa	Boomerang Portugal	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Disney Junior Portugal	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Biggs	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Fox Movies Portugal	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Trace Toca	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese



Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	South Africa	Record News	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	DSTV Kids	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	TLN Network	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Afro Music Concert	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	CM TV	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	DSTV Pipoca	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Boom TV	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
	South Africa	Cine Mundo	TV	DVB-S	5/6	30.000	Irdeto 2	Portuguese
11.586	H Eurasia	Alanbar Satellite Channel	TV	DVB-S	5/6	2.170		Arabic
11.727	L Russia	Tricolor TV	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Russia	A2	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Nashe Novoe Kino	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport 6 Africa	TV	DVB-S2	2/3	27.500	Irdeto 2	English,Portuguese
	Russia	Auto Plus	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	M-Net West	TV	DVB-S2	2/3	27.500	Irdeto 2	English
	Russia	Nashe TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Paramount Comedy Russia	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport 3 Africa	TV	DVB-S2	2/3	27.500	Irdeto 2	English,Portuguese
	Sub-Sahara Africa	M-Net Movies Premiere Africa East	TV	DVB-S2	2/3	27.500	Irdeto 2	English
	Russia	Nauka	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Sarafan	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport 2 Africa	TV	DVB-S2	2/3	27.500	Irdeto 2	English,Portuguese
	Russia	Amedia Hit	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian,English
	Sub-Sahara Africa	SuperSport 7 Africa	TV	DVB-S2	2/3	27.500	Irdeto 2	English,Portuguese
	Russia	Sankt Peterburg	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport 6 Nigeria	TV	DVB-S2	2/3	27.500	Irdeto 2	English
	Sub-Sahara Africa	SuperSport 2 Nigeria	TV	DVB-S2	2/3	27.500	Irdeto 2	English
	Russia	Rodnoe Kino	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Bridge TV Dance	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	TNT Music	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	MTV Hits	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Russia	MTV Rocks	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Russia	VH1 Europe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Europa Plus TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	STS Love	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Vremya	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Russkiy Roman	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	TV 5 Monde Europe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	French
	Russia	Match! Nash Sport	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Kinomiks	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
11.747	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4	27.500	Irdeto 2	
	Sub-Sahara Africa	M-Net Movies Action + Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	SuperSport 7 Nigeria	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	SuperSport 6 Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English,Portuguese
	Sub-Sahara Africa	Vuzu	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Jango Magic	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Sub-Sahara Africa	CNBC Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Disney XD South Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Sony Channel Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	CNN International	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Nina TV English	TV	DVB-S	3/4	27.500	Irdeto 2	English

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
11.766	V Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4	27.500	Irdeto 2	
	Russia	Tricolor TV	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Sub-Sahara Africa	Universal Channel South Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Kinopokaz HD 1	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Studio Universal Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Investigation Discovery Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Kinopokaz HD 2	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Eda	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	TLC Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Comedy Central Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Iskushenie	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Nashe Lyubimoe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Zee Bollywoodies	TV	DVB-S	3/4	27.500	Irdeto 2	
	Sub-Sahara Africa	CBeebies South Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	SET Asia	TV	DVB-S	3/4	27.500	Irdeto 2	Hindi
	Sub-Sahara Africa	Sony Max UK	TV	DVB-S	3/4	27.500	Irdeto 2	Hindi
	Sub-Sahara Africa	Nickelodeon Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Fox Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
11.785	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4	27.500	Irdeto 2	
	Russia	NTV Plus	package	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Sub-Sahara Africa	Canal + Sport 1	TV	DVB-S	3/4	27.500	Irdeto 2	French
	Russia	Match! Arena	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Crime + Investigation Portugal	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Russia	Match! Boets	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Canal + Family Centre	TV	DVB-S	3/4	27.500	Irdeto 2	French
	Russia	Match! Igra	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Match! Nash Sport	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Nat Geo Wild South Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English,Portuguese
	Russia	Match! Futbol 1	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	NickToons Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Ghana TV	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Match! Futbol 2	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Lagos TV	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Match! Futbol 3	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	BET Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	NTV Plus Infokanal	TV	DVB-S2	3/4	27.500		Russian
	Russia	OTR	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Soundcity Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Islam Channel	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Telekanal Doktor	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Telekanal Zvezda	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Kanal Disney	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Sub-Sahara Africa	Lifetime South Africa	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Russia	Muz TV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	KBC English Service	radio	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Nash Futbol	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	KBC Idhaa	radio	DVB-S	3/4	27.500	Irdeto 2	Swahili
	Russia	NTV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Coro FM	radio	DVB-S	3/4	27.500	Irdeto 2	Kikuyu
	Sub-Sahara Africa	Venus FM	radio	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	RBK TV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Nation FM	radio	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	KHL TV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	QFM	radio	DVB-S	3/4	27.500	Irdeto 2	Swahili
	Russia	TNT	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	U	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Super	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	World Fashion Channel Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Shop & Show	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	TNT Music	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
11.804	V Sub-Sahara Africa	DSTV Africa	package	DVB-S2	3/4	27.500	Irdeto 2	
	Russia	Tricolor TV	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Russia	Moya Planeta	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport 5 Africa	TV	DVB-S2	3/4	27.500	Irdeto 2	Portuguese,English
	Russia	RBK TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Mama	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Kinosvidanie	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Russkiy Bestseller	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	TV Guberniya	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	KHL TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	NST	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Muzhskoe Kino	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Zhara	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	La Minor	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Kuhnya TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Candy TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	CandyMan TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Muzika Pervogo	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Bridge TV Classic	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Zhivaya Planeta	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	T24	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Telecafé	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Match! Futbol 1	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Match! Futbol 2	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Match! Futbol 3	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
11.823	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4	27.500	Irdeto 2	
	Russia	NTV Plus	package	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Sub-Sahara Africa	Canal + Sport 2 Afrique	TV	DVB-S	3/4	27.500	Irdeto 2	French
	Russia	Match! Futbol 2	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	France 2	TV	DVB-S	3/4	27.500	Irdeto 2	French

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Russia	Match! Futbol 3	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	France 5	TV	DVB-S	3/4		27.500	Irdeto 2	French
	Russia	Nash Futbol	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	MTV Live HD	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
	Sub-Sahara Africa	TéléToon Africa	TV	DVB-S	3/4		27.500	Irdeto 2	French
	Russia	Mir HD	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Planète +	TV	DVB-S	3/4		27.500	Irdeto 2	French
	Russia	Match! Futbol 1	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Novelas TV	TV	DVB-S	3/4		27.500	Irdeto 2	French
	Sub-Sahara Africa	RTL 9	TV	DVB-S	3/4		27.500	Irdeto 2	French
	Russia	Nickelodeon HD	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Sub-Sahara Africa	Canal + Cinéma Centre	TV	DVB-S	3/4		27.500	Irdeto 2	French
	Sub-Sahara Africa	Trace Najja	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	IMPD TV Africa	TV	DVB-S	3/4		27.500	Irdeto 2	Portuguese
	Sub-Sahara Africa	Piwi +	TV	DVB-S	3/4		27.500	Irdeto 2	French
	Sub-Sahara Africa	TF 1	TV	DVB-S	3/4		27.500	Irdeto 2	French
	Sub-Sahara Africa	SIC Internacional África	TV	DVB-S	3/4		27.500	Irdeto 2	Portuguese
11.843	V Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto 2	
	Russia	Tricolor TV	package	DVB-S2	3/4		27.500	Exset/DRE-Crypt	
	Sub-Sahara Africa	E TV Africa	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Russia	Telepoisk	TV	DVB-S2	3/4		27.500		Russian
	Sub-Sahara Africa	Dish on TV promo	TV	DVB-S	3/4		27.500		English
	Russia	Kinozal 1	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Big Brother Angola Português	TV	DVB-S	3/4		27.500	Irdeto 2	Portuguese
	Russia	Kinozal 2	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport 8 Africa	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Russia	Kinozal 3	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport Máximo 360	TV	DVB-S	3/4		27.500	Irdeto 2	Portuguese,English
	Russia	Kinozal 4	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	TBC 1	TV	DVB-S	3/4		27.500	Irdeto 2	
	Russia	Telekanal O!	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Kinozal 5	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Poehali!	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport Máximo 2	TV	DVB-S	3/4		27.500	Irdeto 2	Portuguese,English
	Russia	Kinozal 6	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Maisha Magic East	TV	DVB-S	3/4		27.500	Irdeto 2	Swahili
	Russia	Kinozal 7	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Africa Magic Urban	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Russia	Kinozal 8	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Africa Magic Showcase Africa	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Russia	Kinozal 9	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Kinozal 10	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport 10 Nigeria	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Russia	Kinozal 11	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Kinozal 12	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Mult	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Russia	Zee TV Russia	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Game Show	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Svoyo TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Shalun	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
11.862	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4	27.500	Irdeto 2	
	Russia	Fashion 4K	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
	Sub-Sahara Africa	Star TV	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Home 4K	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	SuperSport 9 East	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Citizen TV	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Stingray Festival 4K	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	SuperSport Select 2	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Africa Magic Igbo	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	1 Magic Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Zee TV Africa	TV	DVB-S	3/4	27.500	Irdeto 2	Hindi
	Sub-Sahara Africa	Maisha Magic Bongo	TV	DVB-S	3/4	27.500	Irdeto 2	Swahili
	Sub-Sahara Africa	Zee World	TV	DVB-S	3/4	27.500	Irdeto 2	English,Portuguese
	Sub-Sahara Africa	M-Net Movies Zone	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Mwatu FM	radio	DVB-S	3/4	27.500	Irdeto 2	
	Sub-Sahara Africa	Nosim FM	radio	DVB-S	3/4	27.500	Irdeto 2	
11.881	V Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4	27.500	Irdeto 2	
	Russia	Tricolor TV	package	DVB-S	3/4	27.500	Exset/DRE-Crypt	
	Russia	OTR	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	TV Zimbo	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Sub-Sahara Africa	Mindset Learn	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	TBN Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	TV 3	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Disney Junior South Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Russkaya Noch	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	History South Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Teleinstruktor	TV	DVB-S	3/4	27.500		Russian
	Sub-Sahara Africa	Jango Luxo	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Russia	Tricolor TV promo	TV	DVB-S	3/4	27.500		Russian
	Sub-Sahara Africa	BBC World Service English	radio	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Shopping Live	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	BBC World Service en Français	radio	DVB-S	3/4	27.500	Irdeto 2	French
	Sub-Sahara Africa	BBC World Service Africa	radio	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	TNT	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Cii Broadcasting	radio	DVB-S	3/4	27.500	Irdeto 2	
	Russia	Brazzers TV Europe	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	English
	Russia	TV 2 TV	TV	DVB-S	3/4	27.500		Russian
	Sub-Sahara Africa	TransAfrica Radio	radio	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Nano TV	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	TV-TV	TV	DVB-S	3/4	27.500		Russian
	Sub-Sahara Africa	VoA 1	radio	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Iskushenie	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Russia	Top Shop TV Russia	TV	DVB-S	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	WRN English Africa & Middle East	radio	DVB-S	3/4		27.500	Irdeto 2	English
	Russia	Olala	TV	DVB-S	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	DMX Symphonic	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Light Classical	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Beautiful Instrumentals	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Contemporary Instrumentals	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Classic Rock	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Dance	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Y2K Hits	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Campus Rock	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Urban Beat	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX 90's Hits	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX 70's Hits	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Soft Hits	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Adult Contemporary	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Urban Adult Contemporary	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Smooth Jazz	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Classic Jazz	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX African Rhythms	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Reggae	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX Gospel	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	DMX French Contemporary	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	Radio Citizen	radio	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	Hot 96	radio	DVB-S	3/4		27.500	Irdeto 2	English
11.900	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto 2	
	Russia	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Sub-Sahara Africa	CBS Reality South Africa	TV	DVB-S	3/4		27.500	Irdeto 2	Portuguese,English
	Sub-Sahara Africa	SuperSport 5 Africa	TV	DVB-S	3/4		27.500	Irdeto 2	Portuguese,English
	Russia	TV 1000 East	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Cartoon Network Middle East & Africa	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Russia	TV 1000 Action	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	National Geographic South Africa	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Russia	TV 1000 Russkoe Kino	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Africa Magic Epic	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Russia	Viasat Explore Russia	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Sub-Sahara Africa	SuperSport Blitz Africa	TV	DVB-S	3/4		27.500	Irdeto 2	English,Portuguese
	Russia	Viasat History	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Sub-Sahara Africa	SuperSport 7 Africa	TV	DVB-S	3/4		27.500	Irdeto 2	Portuguese,English
	Russia	Viasat Nature East	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Sub-Sahara Africa	Sky News International	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Viasat Sport East	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Russia	Extreme Sports Channel	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Sub-Sahara Africa	SuperSport 4 Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English,Portuguese
	Russia	Tochka Otryva	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Africa Magic Yoruba	TV	DVB-S	3/4	27.500	Irdeto 2	
	Russia	Perviy Obrazovatelniy	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Africa Magic Hausa	TV	DVB-S	3/4	27.500	Irdeto 2	Hausa
	Russia	Domashnie Zhivotnye	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Usadba	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	EuroNews Russkiy	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Fox Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Russia	Nat Geo Wild Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Russia	Armenia TV Satellite	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Armenian
	Russia	Paramount Comedy Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Viasat Golf	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
	Russia	Mama	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Paramount Channel Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Ocean TV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	CCTV 4 Europe	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Chinese
	Russia	CGTN	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
	Russia	CGTN Russkij	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Mezzo	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	French
	Russia	Bashkirskoe Sputnikovoe TV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Pervyy Vegetarianskiy	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
11.919	V Sub-Sahara Africa	DSTV Africa	package	DVB-S2	3/4	27.500	Irdeto 2	
	Russia	Tricolor TV	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Russia	Dom Kino Premium	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport 4 Africa	TV	DVB-S2	3/4	27.500	Irdeto 2	English,Portuguese
	Sub-Sahara Africa	SuperSport 6 Africa	TV	DVB-S2	3/4	27.500	Irdeto 2	English,Portuguese
	Russia	Nickelodeon HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Multik	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Perviy kanal	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Match! Igra	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Match! Arena	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
11.938	R Russia	NTV Plus	package	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Russia	Fox Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Russia	VIP Megahit	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	VIP Premiere	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Viasat Nature HD	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Viasat History HD	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Viasat Sport East	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Russia	Eurosport 2 North-East	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
11.940	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4	27.500	Irdeto 2	
	Sub-Sahara Africa	CGTN	TV	DVB-S	3/4	27.500		English
	Sub-Sahara Africa	CCTV 4 Europe	TV	DVB-S	3/4	27.500		Chinese
	Sub-Sahara Africa	AIT International	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Discovery Family Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Animal Planet Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Boomerang EMEA	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Nick Jr Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Aljazeera English	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Daystar TV	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	MITV	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Fashion One Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
11.958	V Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4	27.500	Irdeto 2	
	Russia	Tricolor TV	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Sub-Sahara Africa	RTP África	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Russia	Rossiya 1	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Fox Life Russia	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian,English
	Sub-Sahara Africa	JimJam Europe	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Nat Geo Wild Europe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	National Geographic Russia	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Fox Russia	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	MTV Portugal	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Russia	Fashion One Europe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Sub-Sahara Africa	National Geographic Portugal	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Sub-Sahara Africa	Telemundo Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English,Portuguese
	Sub-Sahara Africa	Lifetime South Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Afro Music Pop	TV	DVB-S	3/4	27.500	Irdeto 2	English,Portuguese
	Sub-Sahara Africa	SIC Notícias	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Sub-Sahara Africa	Antena Nacional	radio	DVB-S	3/4	27.500	Irdeto 2	Portuguese
11.977	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4	27.500	Irdeto 2	
	Russia	NTV Plus	package	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Sub-Sahara Africa	E! Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Perviy kanal	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Canal + Centre	TV	DVB-S	3/4	27.500	Irdeto 2	French
	Russia	NTV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	TV 5 Monde Afrique	TV	DVB-S	3/4	27.500	Irdeto 2	French
	Russia	TV Centr Ural	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	B4U Movies UK	TV	DVB-S	3/4	27.500	Irdeto 2	Hindi
	Russia	TNT	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	IO	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Russia	Moya Planeta	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian



Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Russia	Nauka	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Sony Max South Africa	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	NDTV 24x7	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Russia	History Russia	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Sub-Sahara Africa	NTA International	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Russia	MCM Top Russia	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	French
	Sub-Sahara Africa	RTP Internacional Europa	TV	DVB-S	3/4		27.500	Irdeto 2	Portuguese
	Russia	Astrakhan 24	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Eva +	TV	DVB-S	3/4		27.500	Irdeto 2	English,Portuguese
	Sub-Sahara Africa	ITV Choice Africa	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Russia	Outdoor Channel International	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Sub-Sahara Africa	Food Network EMEA	TV	DVB-S	3/4		27.500	Irdeto 2	English,Portuguese
	Russia	Ru TV	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Travel Channel Europe	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Sub-Sahara Africa	Radio France Internationale	radio	DVB-S	3/4		27.500	Irdeto 2	French
	Russia	RTG TV	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English,Turkish
	Russia	Juvelirochka	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Bridge TV Dance	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	CNN International Europe	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
	Russia	TNT 4	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Ani	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Istoriya Telekanal	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Mir 24	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Juvelirochka Moda	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Sankt Peterburg	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	M-1 Global TV	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
11.996	V Sub-Sahara Africa	DSTV Africa	package	DVB-S2	3/4		27.500	Irdeto 2	
	Russia	Tricolor TV	package	DVB-S2	3/4		27.500	Exset/DRE-Crypt	
	Sub-Sahara Africa	Discovery Channel Middle East & Africa	TV	DVB-S2	3/4		27.500	Irdeto 2	English
	Russia	Rossiia 1	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Karusel	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	5 Kanal	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	TV Cine 1	TV	DVB-S2	3/4		27.500	Irdeto 2	Portuguese
	Sub-Sahara Africa	AXN Portugal	TV	DVB-S2	3/4		27.500	Irdeto 2	Portuguese
	Russia	Rossiia K	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	NTV	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Studio Universal Africa	TV	DVB-S2	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	Cine Mundo	TV	DVB-S2	3/4		27.500	Irdeto 2	Portuguese
	Russia	TNT	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Banda TV	TV	DVB-S2	3/4		27.500	Irdeto 2	Portuguese
	Russia	STS	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Radost Moya	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Kanal Disney	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Russia	Detski Mir	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	TeleKlub	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Cartoon Network Russia & South East Europe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Boomerang Central & Eastern Europe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Detskiy	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Tiji Russia	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Gulli Girl	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	JimJam Rossiya	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Baby TV Europe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Russia	Perviy kanal	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Grad Petrov	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Chuvash Radio	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio Vanya	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Comedy Radio	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Kavkaz Music	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio Chanson	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	DFM 101.2	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Maximum 103.7 FM	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Hit FM	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Detskoe Radio	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Russkoe Radio	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Strana FM	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio Kultura	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio Dacha	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio Radonezh	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Taxi FM	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Dorognoe Radio	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Retro FM Rossiya	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Europa Plus	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio Dlya Dvoih	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio 7	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio Mir	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Modnoe Radio	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio Komsomolskaya Pravda	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio Roks	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio Record	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio 107	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio Orfey	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Love Radio	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio Zvezda	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Humor FM	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	NRJ Russia	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Radio Romantika	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Russia	Avtoradio Moskva	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
12.015	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4	27.500	Irdeto 2	
	Russia	NTV Plus	package	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Russia	NTV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Animal Planet Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Sub-Sahara Africa	EuroNews English	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	EuroNews Français	TV	DVB-S	3/4	27.500	Irdeto 2	French
	Sub-Sahara Africa	InfoSport +	TV	DVB-S	3/4	27.500	Irdeto 2	French
	Russia	Konny Mir	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Match!	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Rai Italia Africa	TV	DVB-S	3/4	27.500	Irdeto 2	Italian
	Russia	Dom Kino Premium	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Sub-Sahara Africa	Emmanuel TV	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Bridge HD	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Hip TV	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	EuroNews Deutsch	TV	DVB-S	3/4	27.500	Irdeto 2	German
	Russia	TNT	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Sub-Sahara Africa	Eva	TV	DVB-S	3/4	27.500	Irdeto 2	English,Portuguese
	Sub-Sahara Africa	Spice	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	Radio Okapi	radio	DVB-S	3/4	27.500		French
12.034	V Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4	27.500	Irdeto 2	
	Russia	Tricolor TV	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Sub-Sahara Africa	JimJam Europe	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Russia	Kino Premium HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	CNC World English	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Ostrosyuzhetnoye Kino HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	A&E Portugal	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Russia	Nash Detektiv	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	História Portugal	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Russia	Match!	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	EBC	TV	DVB-S	3/4	27.500	Irdeto 2	Amharic
	Russia	Nash Kinoroman	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Bloomberg TV Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Travel + Adventure	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian,English
	Sub-Sahara Africa	Kingdom Africa TV	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Maks FM	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	NDTV 24x7	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Russia	Radio Monte Carlo	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Voxafrika Afrique	TV	DVB-S	3/4	27.500	Irdeto 2	
	Sub-Sahara Africa	France 24 Français	TV	DVB-S	3/4	27.500	Irdeto 2	French
	Sub-Sahara Africa	EWTN Africa & Asia	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	CGTN Documentary	TV	DVB-S	3/4	27.500		English
	Sub-Sahara Africa	Trace Mziki	TV	DVB-S	3/4	27.500	Irdeto 2	English
12.054	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4	27.500	Irdeto 2	
	Sub-Sahara Africa	M-Net East	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	BBC Brit South Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	M-Net Movies All Stars	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	SuperSport 2 Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English,Portuguese
	Sub-Sahara Africa	BBC World News Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	MTV Base Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	M-Net Movies Action Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	SuperSport Máximo 3	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese,English
	Sub-Sahara Africa	MTV ZA	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Sub-Sahara Africa	SuperSport 9 Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English,Portuguese
	Sub-Sahara Africa	Disney Channel South Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Sub-Sahara Africa	Crime + Investigation UK	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	M-Net Binge West	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	SuperSport 2 Nigeria	TV	DVB-S	3/4		27.500	Irdeto 2	English
12.073	V Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	Palanca TV	TV	DVB-S	3/4		27.500	Irdeto 2	Portuguese
	Sub-Sahara Africa	Afro Music Channel	TV	DVB-S	3/4		27.500	Irdeto 2	Portuguese
	Sub-Sahara Africa	QTV	TV	DVB-S	3/4		27.500	Irdeto 2	Swahili
	Sub-Sahara Africa	Adom TV	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	CGTN Français	TV	DVB-S	3/4		27.500		French
	Sub-Sahara Africa	Joy Prime	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	NBS TV	TV	DVB-S	3/4		27.500	Irdeto 2	Swahili
	Sub-Sahara Africa	PFC Internacional	TV	DVB-S	3/4		27.500	Irdeto 2	Portuguese
	Sub-Sahara Africa	TV 3	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	Dove TV	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	Odisseia	TV	DVB-S	3/4		27.500	Irdeto 2	Portuguese
12.092	R Russia	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Russia	Telekanal 2x2	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	A1	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Russia	Amedia Hit	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Russia	A Premium HD	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Russia	Dialogi o rybalke	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	CBS Reality Europe	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Russia	Evrokino	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Telenovella	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Nashe TV	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Bollywood HD	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Russkiy Illusion	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	AMC Russia	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Russia	TV Centr	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Moskva 24	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Sovershenno Sekretno TV	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	TV XXI	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	A2	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Bridge TV	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Playboy TV Europe	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
	Russia	Tiji Russia	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Gulli Girl	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	BBC World News Europe	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
	Russia	Perviy Meteo	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Russia	Krik TV	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Malysh	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Dikiy	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Prosveshenie	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
12.130	R Russia	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Russia	Nat Geo Wild Russia	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	RTG HD	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English,Turkish
	Russia	Mezzo Live HD	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Russia	MGM HD Russia	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Russia	Perviy kanal	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	Rossiya 1	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Russia	IHD	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
12.149	L Russia	Tricolor TV	package	DVB-S2	3/4		27.500	Exset/DRE-Crypt	
	Russia	Nat Geo Wild Russia	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Fox Life Russia	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Ostrosyuzhetnoye Kino HD	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Nash Detektiv	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Travel + Adventure	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian,English
	Russia	Ryzhiy	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Kinopokaz	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Zagorodny	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Kanal Teleputeshestviya	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Ohotnik i Rybolov	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Zoo TV	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Ryzhiy	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Evronovosti	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Fox Russia	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Vmeste RF	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Kino Premium HD	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Bridge TV	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Istoriya Telekanal	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Shanson TV	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	National Geographic Russia	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Nash Kinoroman	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Tonus TV	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
12.245	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto 2	
	Sub-Sahara Africa	M-Net West	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	M-Net Movies Premiere Africa	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	SuperSport 3 Africa	TV	DVB-S	3/4		27.500	Irdeto 2	English,Portuguese
	Sub-Sahara Africa	BBC Lifestyle South Africa	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	Discovery Channel Middle East & Africa	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	SABC News	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	M-Net City	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	Africa Magic Family	TV	DVB-S	3/4		27.500	Irdeto 2	English
	Sub-Sahara Africa	Faith Africa	TV	DVB-S	3/4		27.500	Irdeto 2	English
12.507	H Eurasia	Kazakh TV	TV	DVB-S2	5/6		1.667		Russian,English,Kazakh
12.520	V Eurasia	Almasar Satellite Channel	TV	DVB-S2	5/6		1.428		Arabic
12.540	V Eurasia	CNC World English	TV	DVB-S	3/4		2.220		English
12.690	H Eurasia	Diwan TV	TV	DVB-S2	5/6		1.447		Arabic
12.712	V Eurasia	Al-Iraqiya Sport	TV	DVB-S	7/8		2.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Eurasia	Republic of Iraq Radio	radio	DVB-S	7/8	2.500		Arabic
	Eurasia	Radio Iraqia	radio	DVB-S	7/8	2.500		Arabic

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11.747	R	Fixed 1	Tricolor TV	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
		Fixed 1	Feniks+Kino	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Nika TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Oruzhie	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Yamal TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Kuban 24 Orbita	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	TNV Planeta	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Chuvash En	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Lipetskoye Vremya	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Shop & Show	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	TRK Sever	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Oblastnoe TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Mir 24	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Moskva 24	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Bashkirskoe Sputnikovoe TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Mir Belogorya TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Don 24	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
12.073	L	Fixed 1	Tricolor TV	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
		Fixed 1	Morskoi	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	NTV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	IHD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Bollywood HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Planeta HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	History Russia	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
12.111	L	Fixed 1	Tricolor TV	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
		Fixed 1	Izvestia TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Perviy kanal	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Leomax	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Telekanal Doktor	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	V Gostyakh u Skazki	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Nick Jr CIS	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Nickelodeon CIS	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	365 dnei TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Multimania	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Eda	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
12.130	H	Fixed 2	DSTV Africa	package	DVB-S	2/3	27.500	Irdeto 2	
		Fixed 2	SuperSport 11 Africa	TV	DVB-S	2/3	27.500	Irdeto 2	English
		Fixed 2	SuperSport 12 Africa	TV	DVB-S	2/3	27.500	Irdeto 2	English
		Fixed 2	SuperSport 11 Nigeria	TV	DVB-S	2/3	27.500	Irdeto 2	English
		Fixed 2	SuperSport 12 Nigeria	TV	DVB-S	2/3	27.500	Irdeto 2	English
		Fixed 2	M-Net Movies Premiere Africa West	TV	DVB-S	2/3	27.500	Irdeto 2	English
		Fixed 2	M-Net Movies Smile Africa	TV	DVB-S	2/3	27.500	Irdeto 2	English
		Fixed 2	M-Net Binge East	TV	DVB-S	2/3	27.500	Irdeto 2	English
12.169	H	Fixed 2	DSTV Africa	package	DVB-S2	2/3	27.500	Irdeto 2	
		Fixed 2	SuperSport 3 Nigeria	TV	DVB-S2	2/3	27.500	Irdeto 2	English
		Fixed 2	SuperSport 7 Nigeria	TV	DVB-S2	2/3	27.500	Irdeto 2	English
		Fixed 2	SuperSport Máximo 1	TV	DVB-S2	2/3	27.500	Irdeto 2	Portuguese,English
		Fixed 2	SuperSport Máximo 2	TV	DVB-S2	2/3	27.500	Irdeto 2	Portuguese,English
		Fixed 2	SuperSport Blitz Africa	TV	DVB-S2	2/3	27.500	Irdeto 2	English,Portuguese
		Fixed 2	SuperSport Blitz Nigeria	TV	DVB-S2	2/3	27.500	Irdeto 2	English
		Fixed 1	Kaleidoskop TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	Otkritiy Mir	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	RBK TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	8 Kanal	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	NHK World TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
		Fixed 1	Zhivi!	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
		Fixed 1	TDK	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
12.174	L	Fixed 1	TNV Tatarstan	TV	DVB-S	3/4	4.340		Russian
		Fixed 1	Bolgar Radiosi	radio	DVB-S	3/4	4.340		Russian
12.190	L	Fixed 1	Tricolor TV	package	DVB-S	3/4	22.500	Exset/DRE-Crypt	

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Fixed 1	Domashniy Magazin	TV	DVB-S	3/4	22.500	Exset/DRE-Crypt	Russian
	Fixed 1	Mir	TV	DVB-S	3/4	22.500	Exset/DRE-Crypt	Russian
	Fixed 1	Pyatnitsa!	TV	DVB-S	3/4	22.500	Exset/DRE-Crypt	Russian
	Fixed 1	Telekanal Zvezda	TV	DVB-S	3/4	22.500	Exset/DRE-Crypt	Russian
	Fixed 1	REN TV	TV	DVB-S	3/4	22.500	Exset/DRE-Crypt	Russian
	Fixed 1	STS	TV	DVB-S	3/4	22.500	Exset/DRE-Crypt	Russian
	Fixed 1	Telekanal Spas	TV	DVB-S	3/4	22.500	Exset/DRE-Crypt	Russian
	Fixed 1	Muz TV	TV	DVB-S	3/4	22.500	Exset/DRE-Crypt	Russian
	Fixed 1	TV 3	TV	DVB-S	3/4	22.500	Exset/DRE-Crypt	Russian
	Fixed 1	Diskont	TV	DVB-S	3/4	22.500	Exset/DRE-Crypt	Russian
	Fixed 1	Juvelirochka	TV	DVB-S	3/4	22.500	Exset/DRE-Crypt	Russian
	Fixed 1	NRJ Moskva	radio	DVB-S	3/4	22.500		Russian
	Fixed 1	Avtoradio Moskva	radio	DVB-S	3/4	22.500		Russian
	Fixed 1	Radio Romantika	radio	DVB-S	3/4	22.500		Russian
	Fixed 1	Humor FM	radio	DVB-S	3/4	22.500		Russian
12.207	H Fixed 2	DSTV Africa	package	DVB-S	3/4	27.500	Irdeto 2	
	Fixed 1	NTV Plus	package	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Fixed 1	Eurosport 1 Rossiya	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 2	SuperSport 7 Nigeria	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 1	National Geographic Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 2	SuperSport 5 Nigeria	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 1	A Premium HD	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 2	SuperSport 3 Nigeria	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 1	History Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 2	Rwanda TV	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 2	OnMax	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 1	TLC Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 2	TVC News Nigeria	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 1	Travel Channel Europe	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	Bollywood HD	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 2	Galaxy TV	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 2	KBC Channel 1	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 2	Ebru TV Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 2	Wap TV	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 2	TV Imaan	TV	DVB-S	3/4	27.500	Irdeto 2	
	Fixed 2	Fiesta GH	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 2	Kameme TV	TV	DVB-S	3/4	27.500	Irdeto 2	English
12.226	L Fixed 1	Tricolor TV	package	DVB-S	3/4	27.500	Exset/DRE-Crypt	
	Fixed 1	Perviy kanal	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	
	Fixed 1	Rossiya 1	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	NTV	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Rossiya K	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Shop 24	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Match!	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Rossiya 24	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	5 Kanal	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Karusel	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	TV Centr	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Radio Rossii	radio	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Radio Mayak	radio	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Nash Futbol	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Vesti FM	radio	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
12.245	R Fixed 1	NTV Plus	package	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Fixed 1	8 Kanal	TV	DVB-S2	3/4	27.500		Russian
	Fixed 1	Avto 24	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Detski Mir	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	TeleKlub	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian

Freq	Beam		Analog	Diff	Fec	Symb of Rate	Acces	Lang
	Fixed 1	Eurosport 1 Rossiya	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	Bloomberg TV Europe	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
	Fixed 1	JimJam Rossiya	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	Zee TV Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Nickelodeon CIS	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	Sony Channel Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	Sony Sci-Fi Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English,Russian
	Fixed 1	Sony Turbo	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	Prodvizhenie	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Travel + Adventure	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	Zagorodnaya Zhizn	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Radost Moya	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Don 24	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	GTRK Groznyj	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Mir Seriala	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Bryanskaya Guberniya	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Lubimoe Kino	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Shanson TV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Humor FM	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Trlck	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Radio Dlya Dvoih	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Radio Romantika	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Avtoradio Moskva	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Radio Vanya	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	NRJ Russia	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	DFM 101.2	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Russkoe Radio	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Hit FM	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Maximum 103.7 FM	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Business FM	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Militseyskaya Volna	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Comedy Radio	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Radio Komsomolskaya Pravda	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Relax FM	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Echo Moskva	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Radio Mir	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Love Radio	radio	DVB-S2	3/4	27.500		Russian
	Fixed 1	Radio Chanson	radio	DVB-S2	3/4	27.500		Russian
12.265	L Fixed 1	NTV Plus	package	DVB-S	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Fixed 1	Rossiya 1	TV	DVB-S	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Match!	TV	DVB-S	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	5 Kanal	TV	DVB-S	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	REN TV	TV	DVB-S	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Rossiya K	TV	DVB-S	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Rossiya 24	TV	DVB-S	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Telekanal Spas	TV	DVB-S	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian



Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Fixed 1	TV 3	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Pyatnitsa!	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Mir	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Shopping Live	TV	DVB-S	3/4		27.500		Russian
	Fixed 1	Shop 24	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	RT Arabic	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Arabic
	Fixed 1	RT Español	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Spanish
	Fixed 1	Tvoy Dom	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	France 24 English	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
12.284	H Fixed 2	DSTV Africa	package	DVB-S2	2/3		27.500	Irdeto 2	
	Fixed 1	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Fixed 1	Animal Planet Russia	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 2	M-Net Movies Premiere Africa West	TV	DVB-S2	2/3		27.500	Irdeto 2	English
	Fixed 1	Cartoon Network Russia & South East Europe	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English,Russian
	Fixed 2	M-Net Movies Smile Africa	TV	DVB-S2	2/3		27.500	Irdeto 2	English
	Fixed 1	Discovery Channel Russia	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 2	SuperSport 8 Africa	TV	DVB-S2	2/3		27.500	Irdeto 2	English,Portuguese
	Fixed 2	M-Net East	TV	DVB-S2	2/3		27.500	Irdeto 2	English
	Fixed 1	NST	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 2	1 Magic Africa	TV	DVB-S2	2/3		27.500	Irdeto 2	English
	Fixed 1	DTX Rossiya	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	Fox Life Russia	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 2	SuperSport 5 Nigeria	TV	DVB-S2	2/3		27.500	Irdeto 2	English
	Fixed 1	Investigation Discovery Rossiya	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 2	M-Net Movies Action + Africa	TV	DVB-S2	2/3		27.500	Irdeto 2	English
	Fixed 2	M-Net Binge West	TV	DVB-S2	2/3		27.500	Irdeto 2	English
	Fixed 1	Telekanal O!	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	MTV Russia	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 2	SuperSport 8 Nigeria	TV	DVB-S2	2/3		27.500	Irdeto 2	English
	Fixed 1	MTV Dance	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
	Fixed 1	MTV Hits	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
	Fixed 1	MTV Rocks	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
	Fixed 1	National Geographic Russia	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	Nick Jr CIS	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	TLC Russia	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	VH1 Classic	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
	Fixed 1	VH1 Europe	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
	Fixed 1	Bober	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Vremya	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Dom Kino	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Boomerang Central & Eastern Europe	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Karusel	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Muzika Pervogo	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Fixed 1	Telecafé	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
12.303	V Fixed 2	DSTV Africa	package	DVB-S	3/4	27.500	Irdeto 2	
	Fixed 1	Tricolor TV	package	DVB-S	3/4	27.500	Exset/DRE-Crypt	
	Fixed 1	Soyuz	TV	DVB-S	3/4	27.500		Russian
	Fixed 2	ZNBC TV 1	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 2	EbonyLife TV	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 1	Telekanal 2x2	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 2	TCV Internacional	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Fixed 2	Fox Life Africa	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 1	Ru TV	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Mezzo	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 2	Viasat Life	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 1	Dom Kino	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 2	ZNBC TV 2	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 2	Arise News	TV	DVB-S	3/4	27.500	Irdeto 2	English
	Fixed 1	Bober	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Malysh	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Match! Boets	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 2	So Novelas	TV	DVB-S	3/4	27.500	Irdeto 2	Portuguese
	Fixed 1	Nash Futbol	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	TNT 4	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Che	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	U	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Mult i muzyka	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Nashe Lyubimoe	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	7 TV	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Radio Voskresenie	radio	DVB-S	3/4	27.500		Russian
	Fixed 1	Arkhyz 24	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	GTRK Groznyj	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	RGVK Dagestan	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	NTK Ingushetia	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	ACB TV	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
12.322	R Fixed 1	NTV Plus	package	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Fixed 1	365 dnei TV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Auto Plus	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Europa Plus TV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Indijskoe Kino	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Kinomiks	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Kinosvidanie	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Kinohit	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Kinokomedija	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Kto est kto	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Kuhnya TV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	La Minor	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Match! Planeta	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Kinoserija	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Muzhskoe Kino	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Rodnoe Kino	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Nashe Novoe Kino	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Nostalgia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Nuart TV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Fixed 1	Kinosemja	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Russkaya Noch	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Egoist TV	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Blue Hustler Europe	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	English
	Fixed 1	KVN TV	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Zhara	TV	DVB-S2	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
12.341	L Fixed 1	NTV Plus	package	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Fixed 1	Perviy kanal	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Domashniy	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Kuban 24 Orbita	TV	DVB-S	3/4		27.500		Russian
	Fixed 1	TV Guberniya	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	STS	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	STS Love	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	TDK	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	TNV Planeta	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Discovery Science	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	NHK World TV	TV	DVB-S	3/4		27.500		English
	Fixed 1	Detskiy	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Zoo Park	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Kino TV	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Russkaya Komediya	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Rossiya 1	TV	DVB-S	3/4		27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Detskoe Radio	radio	DVB-S	3/4		27.500		Russian
12.360	H Fixed 2	DSTV Africa	package	DVB-S	2/3		26.480	Irdeto 2	
	Fixed 1	Tricolor TV	package	DVB-S2	3/4		27.500	Exset/DRE-Crypt	
	Fixed 2	Inooro TV	TV	DVB-S	2/3		26.480	Irdeto 2	English
	Fixed 1	Insight UHD	TV	DVB-S2	3/4		27.500	DRE-Crypt	Russian,English
	Fixed 2	Spark TV	TV	DVB-S	2/3		26.480	Irdeto 2	English
	Fixed 2	TVM Internacional	TV	DVB-S	2/3		26.480	Irdeto 2	Portuguese
	Fixed 1	Tricolor Ultra HD	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Fashion One 4K	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	English
	Fixed 2	TVI 24	TV	DVB-S	2/3		26.480	Irdeto 2	Portuguese
	Fixed 2	Trybe TV	TV	DVB-S	2/3		26.480	Irdeto 2	English
	Fixed 2	Clouds TV	TV	DVB-S	2/3		26.480	Irdeto 2	English
	Fixed 2	TVI África	TV	DVB-S	2/3		26.480	Irdeto 2	Portuguese
	Fixed 2	Urban TV	TV	DVB-S	2/3		26.480	Irdeto 2	English
	Fixed 2	Arewa 24	TV	DVB-S	2/3		26.480	Irdeto 2	Hausa
	Fixed 2	TV West	TV	DVB-S	2/3		26.480	Irdeto 2	English
	Fixed 2	Kass TV	TV	DVB-S	2/3		26.480	Irdeto 2	English
	Fixed 2	Televisa	TV	DVB-S	2/3		26.480	Irdeto 2	English
12.380	L Fixed 1	Tricolor TV	package	DVB-S2	3/4		27.500	Exset	
	Fixed 1	Match! Futbol 1	TV	DVB-S2	3/4		27.500	Exset	Russian
	Fixed 1	Match! Futbol 2	TV	DVB-S2	3/4		27.500	Exset	Russian
	Fixed 1	Match! Futbol 3	TV	DVB-S2	3/4		27.500	Exset	Russian
	Fixed 1	Bridge HD	TV	DVB-S2	3/4		27.500	Exset	Russian
	Fixed 1	Luxury	TV	DVB-S2	3/4		27.500	Exset	Russian
	Fixed 1	Russian Musicbox	TV	DVB-S2	3/4		27.500	Exset	Russian
	Fixed 1	A1	TV	DVB-S2	3/4		27.500	Exset	Russian
	Fixed 1	Slow	TV	DVB-S2	3/4		27.500	Exset	Russian
	Fixed 1	TNT	TV	DVB-S2	3/4		27.500	Exset	Russian
	Fixed 1	Spike TV Rossiya	TV	DVB-S2	3/4		27.500	Exset	Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
12.399	Fixed 1	Trlck	TV	DVB-S2	3/4	27.500	Exset	Russian
	R Fixed 1	NTV Plus	package	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Fixed 1	Kinopremyera	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Match! Igra	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	HD Life	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Match! Arena	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Discovery Channel Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	KHL TV HD	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
12.418	Fixed 1	Thum	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	L Fixed 1	Tricolor TV	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Fixed 1	Ohotnik i Rybolov HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Ginger HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Eureka HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
12.437	R Fixed 1	Nash Futbol	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	R Fixed 1	NTV Plus	package	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	
	Fixed 1	Detektiv TV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	REN TV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Karusel	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Fine Living	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	Fashion TV Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	NTV Pravo	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Mult	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	NTV Serial	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	9 Volna	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	ACB TV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Telekanal Zvezda	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Arkhyz 24	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	NTV Hit	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	5 Kanal	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Morskoi	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	NTV Styl	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Food Network Russia	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian,English
	Fixed 1	Zhivi!	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Sarafan	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Mult i muzyka	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Strana	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Russkiy Bestseller	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Boks TV	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Game Show	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
	Fixed 1	Russkiy Roman	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
Fixed 1	V Gostyakh u Skazki	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian	

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Fixed 1	Duck TV SD	TV	DVB-S2	3/4	27.500	Viaccess 4.0/Viaccess 5.0/Viaccess 6.0	Russian
12.440	H Fixed 2	DSTV Africa	package	DVB-S	2/3	27.500	Irdeto 2	
	Fixed 2	Wazobia Max Lagos	TV	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 2	NTV	TV	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 2	NTV Uganda	TV	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 2	KTN News	TV	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 2	UBC TV	TV	DVB-S	2/3	27.500	Irdeto 2	
	Fixed 2	K24	TV	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 2	WBS TV	TV	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 2	Bukedde TV 1	TV	DVB-S	2/3	27.500	Irdeto 2	
	Fixed 2	TV 10	TV	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 2	Channels TV	TV	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 2	KBC English Service	radio	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 2	Silverbird TV	TV	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 2	Coro FM	radio	DVB-S	2/3	27.500	Irdeto 2	Kikuyu
	Fixed 2	Venus FM	radio	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 2	Nation FM	radio	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 2	QFM	radio	DVB-S	2/3	27.500	Irdeto 2	Swahili
	Fixed 2	Capital FM	radio	DVB-S	2/3	27.500	Irdeto 2	English
12.456	L Fixed 1	Tricolor TV	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Fixed 1	Amedia Hit	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian,English
	Fixed 1	English Club TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Fixed 1	KHL TV HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Kinokomedija	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Kinoserija	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Mezzo Live HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	French
	Fixed 1	KVN TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Indijskoe Kino	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Boks TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Tr!ck	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Ani	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Anekdot TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Konny Mir	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
12.476	R Fixed 1	Tricolor TV	TV	DVB-S2	3/4	30.000		
	Fixed 2	DSTV Africa	package	DVB-S	2/3	27.500	Irdeto 2	
	Fixed 2	Phoenix CNE	TV	DVB-S	2/3	27.500	Irdeto 2	Chinese
	Fixed 1	Russkij Extrem	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	Fixed 1	TV-TV	TV	DVB-S2	3/4	30.000		Russian
	Fixed 2	China Movie	TV	DVB-S	2/3	27.500	Irdeto 2	Chinese
	Fixed 1	Sovershenno Sekretno TV	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	Fixed 2	CCTV Entertainment	TV	DVB-S	2/3	27.500	Irdeto 2	Chinese
	Fixed 1	CNN International Europe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Fixed 1	DW English	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Fixed 2	Metro TV	TV	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 1	France 24 English	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Fixed 2	Jiangsu TV	TV	DVB-S	2/3	27.500	Irdeto 2	Chinese
	Fixed 2	Iqraa Arabic	TV	DVB-S	2/3	27.500	Irdeto 2	Arabic
	Fixed 2	Hunan TV World	TV	DVB-S	2/3	27.500	Irdeto 2	Chinese
	Fixed 2	Dragon TV North America	TV	DVB-S	2/3	27.500	Irdeto 2	Chinese
	Fixed 2	DW Deutsch	TV	DVB-S	2/3	27.500	Irdeto 2	German
	Fixed 1	Otkritiy Mir	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	RBK TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 2	Rok	TV	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 2	Rhythm	radio	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 1	8 Kanal	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 2	Ray Power	radio	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 1	NHK World TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Fixed 2	Star FM 101.5	radio	DVB-S	2/3	27.500	Irdeto 2	English
	Fixed 1	Zhivi!	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian

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11.881	L Wide	Tricolor TV Sibir	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Wide	Fox Life Russia	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Fox Russia	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	Eda	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Rossiya 1	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Nickelodeon CIS	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Ru TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Bober	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Dom Kino	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
11.919	L Wide	Tricolor TV Sibir	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Wide	Mult i muzyka	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	365 dnei TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Kuhnya TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	France 24 English	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Wide	DW English	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Wide	Eda	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	CNN International	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Wide	Ani	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Travel + Adventure	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Zhivi!	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	English Club TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Wide	KHL TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Diskont	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Zee TV Russia	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Zhivaya Planeta	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	T24	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Cartoon Network Russia & South East Europe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Boomerang Central & Eastern Europe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Gulli Girl	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Tiji Russia	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Multimania	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
11.958	L Wide	Tricolor TV Sibir	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Wide	Eureka HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	KHL TV HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	National Geographic Russia	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Iskushenie	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Nano TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
11.996	L Wide	Tricolor TV Sibir	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Wide	Kino Premium HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Nash Kinoroman	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Ostrosyuzhetnoye Kino HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Nash Detektiv	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Travel + Adventure	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Nat Geo Wild Europe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Zoo TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
12.034	L Wide	Match! Arena	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Match! Igra	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Match!	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Shalun	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Nashe Lyubimoe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	MTV Hits	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Wide	Russkaya Noch	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	MTV Rocks	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Wide	Perviy Oblastnoy Chelyabinsk	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Match! Nash Sport	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Olala	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Nash Futbol	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
12.073	L Wide	Tricolor TV Sibir	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Wide	Ginger HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Ohotnik i Rybolov HD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Kinopokaz HD 1	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Kinopokaz HD 2	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Tonus TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	KVN TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Ryzhiy	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Wide	Brazzers TV Europe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
12.111	L East	Radost Moya	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	STS Love	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Bridge TV	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Muz TV	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Istoriya Telekanal	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinokomedija	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	EuroNews Russkiy	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Indijskoe Kino	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Eda	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	S TV	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	TNT Music	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	MCM Top Russia	TV	DVB-S2	3/4	27.500	DRE-Crypt	French
	East	Russian Musicbox	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Europa Plus TV	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Muzika Pervogo	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	TNT 4	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Shanson TV	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Luxury	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Mezzo	TV	DVB-S2	3/4	27.500	DRE-Crypt	French
	12.149	L East	Perviy kanal	TV	DVB-S2	3/4	Y 27.500	Exset/DRE-Crypt
East		Rossiya 1	TV	DVB-S2	3/4	Y 27.500	Exset/DRE-Crypt	Russian
East		Match!	TV	DVB-S2	3/4	Y 27.500	Exset/DRE-Crypt	Russian
East		365 dnei TV	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
East		NTV	TV	DVB-S2	3/4	Y 27.500	Exset/DRE-Crypt	Russian
East		5 Kanal	TV	DVB-S2	3/4	Y 27.500	Exset/DRE-Crypt	Russian
East		Rossiya K	TV	DVB-S2	3/4	Y 27.500	Exset/DRE-Crypt	Russian
East		Rossiya 24	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
East		Karusel	TV	DVB-S2	3/4	Y 27.500	Exset/DRE-Crypt	Russian
East		OTR	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
East		REN TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
East		STS	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
East		Telekanal Zvezda	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
East		TNT	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
East		Radio Rossii	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
East		Radio Mayak	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
East		Vesti FM	radio	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
12.169	R East	NTV Plus Vostok	package	DVB-S2	5/6	27.500	Viaccess 5.0	
	East	Match!	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Match! Futbol 2	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	KHL TV	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Auto Plus	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Match! Boets	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Europa Plus TV	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Indijskoe Kino	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Telekanal Spas	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Kinokomedija	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Kuhnya TV	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	La Minor	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Kinoserija	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	365 dnei TV	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	OTR	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	RBK TV	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Bridge TV	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Konny Mir	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Sovershenno Sekretno TV	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Bollywood HD	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Moya Planeta	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Outdoor Channel International	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Match! Nash Sport	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	World Fashion Channel Russia	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Muzhskoe Kino	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Playboy TV Europe	TV	DVB-S2	5/6	27.500	Viaccess 5.0	English
	East	Russkaya Noch	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Nostalgia	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	East	NHK World TV	TV	DVB-S2	5/6	27.500		English
12.188	L East	Tricolor TV Sibir	package	DVB-S	3/4	27.500	Exset/DRE-Crypt	
	East	Shop & Show	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Malysh	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Perviy kanal	TV	DVB-S	3/4	Y 27.500	Exset/DRE-Crypt	Russian
	East	Juvelirochka	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Kanal Teleputeshestviya	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Kinopokaz	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Multik	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Ohotnik i Rybolov	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Ryzhiy	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Poehali!	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Telekanal O!	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	GTRK Omsk 12 Kanal	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Shopping Live	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Marusya FM	radio	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Radio Rus	radio	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Vesna FM	radio	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Vostok FM	radio	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
12.226	L East	Tricolor TV Sibir	package	DVB-S	3/4	27.500	Exset/DRE-Crypt	
	East	Kino Premium HD	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Tricolor Promo TV	TV	DVB-S	3/4	27.500		Russian
	East	Ostrosyuzhetnoye Kino HD	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	STS	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Nash Kinoroman	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Nash Detektiv	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Match!	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	5 Kanal	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Rossiya 24	TV	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Radio Rossii	radio	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Radio Mayak	radio	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
	East	Vesti FM	radio	DVB-S	3/4	27.500	Exset/DRE-Crypt	Russian
12.245	R East	NTV Plus Vostok	package	DVB-S2	5/6	27.500	Viaccess 5.0	
	East	Evrokino	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Perviy kanal	TV	DVB-S2	5/6	Y 27.500	Viaccess 5.0	Russian
	East	Rossiya 1	TV	DVB-S2	5/6	Y 27.500	Viaccess 5.0	Russian
	East	NTV	TV	DVB-S2	5/6	Y 27.500	Viaccess 5.0	Russian
	East	5 Kanal	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Rossiya K	TV	DVB-S2	5/6	Y 27.500	Viaccess 5.0	Russian
	East	Karusel	TV	DVB-S2	5/6	Y 27.500	Viaccess 5.0	Russian
	East	TV Centr Ural	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	REN TV	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	STS	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Domashniy	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	TV 3	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Pyatnitsa!	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Telekanal Zvezda	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Mir	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	TNT	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Che	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	STS Love	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	U	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Kanal Disney	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Prodvizhenie	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	NTV Pravo	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	NTV Styl	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	TNV Planeta	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Humor FM	radio	DVB-S2	5/6	27.500		Russian
	East	Radio Dlya Dvoih	radio	DVB-S2	5/6	27.500		Russian
	East	Radio Romantika	radio	DVB-S2	5/6	27.500		Russian
	East	Avtoradio	radio	DVB-S2	5/6	27.500		Russian
	East	Radio Vanya	radio	DVB-S2	5/6	27.500		Russian
	East	NRJ Russia	radio	DVB-S2	5/6	27.500		Russian
	East	DFM 101.2	radio	DVB-S2	5/6	27.500		Russian



Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	East	Russkoe Radio	radio	DVB-S2	5/6	27.500		Russian
	East	Hit FM	radio	DVB-S2	5/6	27.500		Russian
	East	Maximum 103.7 FM	radio	DVB-S2	5/6	27.500		Russian
	East	Business FM	radio	DVB-S2	5/6	27.500		Russian
	East	Militseyskaya Volna	radio	DVB-S2	5/6	27.500		Russian
	East	Comedy Radio	radio	DVB-S2	5/6	27.500		Russian
	East	Radio Komsomolskaya Pravda	radio	DVB-S2	5/6	27.500		Russian
	East	Relax FM	radio	DVB-S2	5/6	27.500		Russian
	East	Echo Moskva	radio	DVB-S2	5/6	27.500		Russian
	East	Radio Mir	radio	DVB-S2	5/6	27.500		Russian
	East	Love Radio	radio	DVB-S2	5/6	27.500		Russian
	East	Radio Chanson	radio	DVB-S2	5/6	27.500		Russian
	East	Detskoe Radio Moskva	radio	DVB-S2	5/6	27.500		Russian
12.265	L East	Tricolor TV Sibir	package	DVB-S2	3/4	27.500	DRE-Crypt	
	East	Telepoisk	TV	DVB-S2	3/4	27.500		Russian
	East	Kinozal 1	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinozal 2	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinozal 3	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinozal 4	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinozal 5	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinozal 6	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinozal 7	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinozal 8	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinozal 9	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinozal 10	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinozal 11	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinozal 12	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Multimania	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Zagorodny	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Detski Mir	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	TeleKlub	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Nash Kinoroman	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Nash Detektiv	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kino Premium HD	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Ostrosyuzhetnoye Kino HD	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinohit	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinomiks	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinopokaz	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Sarafan	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Top Shop TV Russia	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
12.303	L East	Tricolor TV Sibir	package	DVB-S2	3/4	27.500	DRE-Crypt	
	East	Kinoserija	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Soyuz	TV	DVB-S2	3/4	27.500		Russian
	East	Nickelodeon CIS	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	JimJam Rossiya	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Baby TV Europe	TV	DVB-S2	3/4	27.500	DRE-Crypt	English
	East	Fox Life Russia	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Fox Russia	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Moya Planeta	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Nauka	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Russkiy Bestseller	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Russkiy Roman	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	TV Sale	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Perviy Oblastnoy Chelyabinsk	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Agro TV	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	National Geographic Russia	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	TNV Planeta	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Nat Geo Wild Europe	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Shop 24	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Yamal TV	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Strana FM	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Mayak	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Vesti FM	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Chanson	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	East	Dorognoe Radio	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Europa Plus	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Vanya	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Maximum 103.7 FM	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Dlya Dvoih	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Roks	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Orfey	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	NRJ Russia	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Humor FM	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Avtoradio	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Monte Carlo	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Russkoe Radio	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Zvezda	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Romantika	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	DFM 101.2	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Komsomolskaya Pravda	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Kultura	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio 7	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Mir	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Retro FM Rossiya	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Hit FM	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Grad Petrov	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Record	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Radonezh	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio 107	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Dacha	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Love Radio	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Taxi FM	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Comedy Radio	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Modnoe Radio	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Novoe Radio	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Detskoe Radio	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Sport FM	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Iskatel	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Radio Rodnux Dorog	radio	DVB-S2	3/4	27.500	DRE-Crypt	Russian
12.322	R	East	NTV Plus Vostok	package	DVB-S2	5/6	27.500	Viaccess 5.0
	East	Kinosemja	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Kinosvidanie	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Kinohit	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Nashe Novoe Kino	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Kinomiks	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Rodnoe Kino	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Match! Futbol 1	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Nashe TV	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Muz TV	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Mama	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	A2	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Dikiy	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Telekanal 2x2	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	RT Doc	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	24 Doc	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	NTV Serial	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Telekanal O!	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Discovery Science	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian,English
	East	Kto est kto	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Boks TV	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Investigation Discovery Rossiya	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian,English
	East	Tvoy Dom	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Ani	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Tiji Russia	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Gulli Girl	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
12.341	L	East	Tricolor TV Sibir	package	DVB-S2	3/4	27.500	DRE-Crypt
	East	Che	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Perviy kanal	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	East	RTG HD	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	U	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Match! Boets	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Telekanal 2x2	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Travel + Adventure	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Sarafan	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinomiks	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Kinosvidanie	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Fashion Television Europe	TV	DVB-S2	3/4	27.500	DRE-Crypt	English
	East	Nashe Lyubimoe	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
12.399	R East	NTV Plus Vostok	package	DVB-S2	5/6	27.500	Viaccess 5.0	
	East	Domashnie Zhivotnye	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	5 Kanal	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Avto 24	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	CCTV 4 Asia	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Chinese
	East	CGTN Russkij	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Detektiv TV	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Fashion TV Russia	TV	DVB-S2	5/6	27.500	Viaccess 5.0	
	East	Radost Moya	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Sarafan	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Psikhologiya 21	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Usadba	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Zagorodnaya Zhizn	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Zoo Park	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Detskiy	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Ocean TV	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Mir Seriala	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Mult	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	NST	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Russkiy Bestseller	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Russkiy Roman	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Shanson TV	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Fine Living	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian,English
	East	Food Network Russia	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian,English
	East	Sony Channel Russia	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian,English
	East	Viasat Sport East	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian,English
	East	Bloomberg TV Europe	TV	DVB-S2	5/6	27.500	Viaccess 5.0	English
	East	Zhivi!	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Amedia Hit	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	A Premium HD	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Dialogi o rybalke	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
12.476	R East	NTV Plus Vostok	package	DVB-S2	5/6	27.500	Viaccess 5.0	
	East	Match!	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Match! Igra	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Match! Futbol 1	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Perviy kanal	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Match! Futbol 2	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Nash Futbol	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian
	East	Match! Futbol 3	TV	DVB-S2	5/6	27.500	Viaccess 5.0	Russian

## EUTELSAT 70B

11.057	V Africa	Barmedas TV	TV	DVB-S2	2/3	30.000		English
11.097	H Central Asia	Kyrgyz mux	package	DVB-S2	?	23.627		
	Central Asia	KTRK Sport	TV	DVB-S2	?	23.627		
	Central Asia	5 Kanal	TV	DVB-S2	?	23.627		
	Central Asia	Ala Too 24	TV	DVB-S2	?	23.627		
	Central Asia	Mir +4	TV	DVB-S2	?	23.627		Russian
	Central Asia	Ilim Bilim	TV	DVB-S2	?	23.627		
	Central Asia	KTRK	TV	DVB-S2	?	23.627		
	Central Asia	Madaniyat	TV	DVB-S2	?	23.627		
	Central Asia	Muzika	TV	DVB-S2	?	23.627		
	Central Asia	Balastan	TV	DVB-S2	?	23.627		
	Central Asia	El TR	TV	DVB-S2	?	23.627		
	Central Asia	NTS	TV	DVB-S2	?	23.627		

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
11.211	H Wide	MTA 1	TV	DVB-S	1/2	5.110		Hindi,Urdu,English,French,German,Arabic,Bengali
11.490	V Africa	Family TV	TV	DVB-S2	2/3	2.150		English
	Africa	Radio 316	radio	DVB-S2	2/3	2.150		English
11.520	V Africa	Family TV	TV	DVB-S2	1/2	3.332		English
	Africa	Radio 316	radio	DVB-S2	1/2	3.332		English
11.555	H Asia	TPA Internacional	TV	DVB-S2	1/2	3.034		Portuguese
11.565	H Asia	M-Three satcom	package	DVB-S2	2/5	11.401	Irdeto	
	Asia	MCS Inter	TV	DVB-S2	2/5	11.401		French
	Asia	I24 News Français	TV	DVB-S2	2/5	11.401		French
	Asia	I24 News English	TV	DVB-S2	2/5	11.401		English
11.600	H Asia	Nautical Channel	TV	DVB-S2	2/5	18.333		English
12.682	V Wide	M-Three satcom	package	DVB-S2	1/2	16.050		
	Wide	MTA 1	TV	DVB-S2	1/2	16.050		Hindi,Urdu,English,French,German,Arabic,Bengali
	Wide	Nautical Channel	TV	DVB-S2	1/2	16.050		Italian

### EUTELSAT 172A

3.916	H Pacific	Hope Channel International	TV	DVB-S	3/4	3.330		English
	Pacific	LifeTalk Radio	radio	DVB-S	3/4	3.330		English
4.160	V Pacific	Sydney Teleport Services	package	DVB-S2	5/6	5.000	BISS	
	Pacific	Premier League TV	TV	DVB-S2	5/6	5.000	BISS	English
	Pacific	Australia Channel News	TV	DVB-S2	5/6	5.000	BISS	English
4.174	V Pacific	PNG TV	TV	DVB-S2	2/3	1.000		English
11.537	V SW Pacific	SpeedCast	interactiv e	DVB-S2	?	1.500	Creation	
11.623	V North Pacific	Altegro Sky	interactiv e	DVB-S2	8/9	3.500	Creation	
11.646	V SE Pacific	SpeedCast	interactiv e	DVB-S2	?	2.200	Creation	

### EUTELSAT 33C

11.154	V S2	Skylogic	interactiv e	DVB-S	1/2	15.710	Irdeto 2	
11.429	V Fixed	Turf TV	TV	DVB-S2	3/5	10.098	Conax	English
12.621	V Fixed	unknown	package	DVB-S2X	25/36	10.057		
	Fixed	TMC Suisse	TV	DVB-S2X	25/36	10.057		French
	Fixed	TF 1 Suisse	TV	DVB-S2X	25/36	10.057		French
12.722	V Fixed	TV Mobilna	package	DVB-S2	3/4	16.730	Irdeto 3	
	Fixed	Polsat News	TV	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	TVP Seriale	TV	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Polsat Sport	TV	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Polsat Film	TV	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Comedy Central Polska	TV	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Nickelodeon Europe	TV	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Kino Polska	TV	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Polsat Sport Extra	TV	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Comedy Central Family Polska	TV	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Polsat Café	TV	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Polsat Play	TV	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	TVN Style	TV	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Muzo FM	radio	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Polskie Radio Trójka	radio	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	RMF FM	radio	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	RMF Maxxx	radio	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Radio Zet	radio	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Antyradio	radio	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Radio Plus FM	radio	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Radio Złote Przeboje	radio	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Radio Tok FM	radio	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Rock Radio	radio	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Radio Eska Rock	radio	DVB-S2	3/4	16.730	Irdeto 3	Polish
	Fixed	Radio Bajka	radio	DVB-S2	3/4	16.730	Irdeto 3	Polish

### EUTELSAT 12 WEST B

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
11.008	V Europe	Igreja Internacional da Graça de Deus	TV	DVB-S	3/4	2.141		Portuguese
11.390	V Europe	Skylogic	package	DVB-S	3/4	27.500		
	Europe	KTO	TV	DVB-S	3/4	27.500		French
	Europe	Skylogic	interactiv e	DVB-S	3/4	27.500	Creation	
12.556	V Europe	Echorouk TV	package	DVB-S2	2/3	8.210		
	Europe	Echorouk TV	TV	DVB-S2	2/3	8.210		Arabic
	Europe	Echorouk TV News	TV	DVB-S2	2/3	8.210		Arabic
	Europe	CBC Benna	TV	DVB-S2	2/3	8.210		Arabic
12.568	H Europe	Viacora BVBA	package	DVB-S	1/2	.256		
	Europe	Club FM	radio	DVB-S	1/2	.256		Dutch
	Europe	Family Radio	radio	DVB-S	1/2	.256		Dutch
12.569	H Europe	Belgian mux	package	DVB-S	1/2	.890		
	Europe	Radio Contact	radio	DVB-S	1/2	.890		French
	Europe	Maximum	radio	DVB-S	1/2	.890		French
	Europe	Bel RTL	radio	DVB-S	1/2	.890		French
12.577	H Europe	Corallo Sat	TV	DVB-S2	5/6	2.222		Italian
12.581	H Europe	Hitwest Radio	package	DVB-S	3/4	.468		
	Europe	Hitwest Radio	radio	DVB-S	3/4	.468		French
	Europe	Hitwest Radio	radio	DVB-S	3/4	.468		French
12.601	V Europe	Radio Vaticana 4	radio	DVB-S	1/2	.256		
12.638	H Europe	Persidera	package	DVB-S2	3/5	13.980		
	Europe	ILike TV	TV	DVB-S2	3/5	13.980		Italian
	Europe	Canale 162	TV	DVB-S2	3/5	13.980		Italian
	Europe	Juwelo Italia	TV	DVB-S2	3/5	13.980		Italian
	Europe	Channel 24	TV	DVB-S2	3/5	13.980		Italian
	Europe	Canale 69	TV	DVB-S2	3/5	13.980		Italian
	Europe	Vero	TV	DVB-S2	3/5	13.980		Italian
	Europe	Rete Italia	TV	DVB-S2	3/5	13.980		Italian
	Europe	La 4 Italia	TV	DVB-S2	3/5	13.980		Italian
	Europe	Gold TV Italia	TV	DVB-S2	3/5	13.980		Italian
	Europe	Italia +	TV	DVB-S2	3/5	13.980		Italian
	Europe	Linea Italia	TV	DVB-S2	3/5	13.980		Italian
	Europe	Air Italia	TV	DVB-S2	3/5	13.980		Italian
	Europe	Orler TV	TV	DVB-S2	3/5	13.980		Italian
	Europe	Air TV	TV	DVB-S2	3/5	13.980		Italian
	Europe	Top Calcio 24	TV	DVB-S2	3/5	13.980		Italian
	Europe	Fight Network Italia	TV	DVB-S2	3/5	13.980		Italian
	Europe	Fire TV	TV	DVB-S2	3/5	13.980		Italian
	Europe	Life 120 Channel	TV	DVB-S2	3/5	13.980		Italian
12.718	H Europe	Persidera	package	DVB-S2	5/6	36.510		
	Europe	Giallo	TV	DVB-S2	5/6	36.510		Italian
	Europe	RTL 102.5 RadioVisione	TV	DVB-S2	5/6	36.510		Italian
	Europe	HSE 24 Italia	TV	DVB-S2	5/6	36.510		Italian
	Europe	Real Time	TV	DVB-S2	5/6	36.510		Italian
	Europe	DMAX Italia	TV	DVB-S2	5/6	36.510		Italian
	Europe	Super!	TV	DVB-S2	5/6	36.510		Italian
	Europe	Radio Freccia TV	TV	DVB-S2	5/6	36.510		Italian
	Europe	Radio Zeta Radiovisione	TV	DVB-S2	5/6	36.510		Italian
	Europe	RTL 102.5 FM	radio	DVB-S2	5/6	36.510		Italian
	Europe	Radio Freccia	radio	DVB-S2	5/6	36.510		Italian
	Europe	Persidera	package	DVB-S2	5/6	36.510		
	Europe	Nove	TV	DVB-S2	5/6	36.510		Italian
	Europe	Alice	TV	DVB-S2	5/6	36.510		Italian
	Europe	Cine Sony Italia	TV	DVB-S2	5/6	36.510		Italian
	Europe	Alpha	TV	DVB-S2	5/6	36.510		Italian
	Europe	Case Design Stili	TV	DVB-S2	5/6	36.510		Italian
	Europe	Marcopolo	TV	DVB-S2	5/6	36.510		Italian
	Europe	Italia Channel	TV	DVB-S2	5/6	36.510		Italian
	Europe	TV 2000	TV	DVB-S2	5/6	36.510		Italian
	Europe	Persidera	package	DVB-S2	5/6	36.510		
	Europe	Pop Italia	TV	DVB-S2	5/6	36.510		Italian
	Europe	Super Tennis	TV	DVB-S2	5/6	36.510		Italian
	Europe	Radio Vaticana 5	radio	DVB-S2	5/6	36.510		Italian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Europe	Radio Italia TV	TV	DVB-S2	5/6	36.510		Italian
	Europe	Frisbee	TV	DVB-S2	5/6	36.510		Italian
	Europe	K2	TV	DVB-S2	5/6	36.510		Italian
	Europe	Persidera	package	DVB-S2	5/6	36.510		
	Europe	Nove	TV	DVB-S2	5/6	36.510		Italian
	Europe	Cielo	TV	DVB-S2	5/6	36.510		Italian
	Europe	Sky TG 24 Canale 50	TV	DVB-S2	5/6	36.510		Italian
	Europe	Focus	TV	DVB-S2	5/6	36.510		Italian
	Europe	Radio DeeJay	radio	DVB-S2	5/6	36.510		Italian
	Europe	Radio Capital	radio	DVB-S2	5/6	36.510		Italian
	Europe	M2o	radio	DVB-S2	5/6	36.510		Italian
	Europe	Radio Maria Italia	radio	DVB-S2	5/6	36.510		Italian
	Europe	Canale 63	TV	DVB-S2	5/6	36.510		Italian
	Europe	Radio Italia	radio	DVB-S2	5/6	36.510		Italian
	Europe	DeeJay TV	TV	DVB-S2	5/6	36.510		Italian

### EUTELSAT 65 WEST A

4.506	V C	Rede Centro Oeste	package	DVB-S2	2/3	5.000		
	C	SBT MS	TV	DVB-S2	2/3	5.000		Portuguese
	C	TV Guanandi	TV	DVB-S2	2/3	5.000		Portuguese
4.510	V C	TV Assembleia Paraná	TV	DVB-S2	2/3	2.083		Portuguese

### EXPRESS AT2

12.226	L Ku	NTV Plus Dalniy Vostok	package	DVB-S2	3/4	27.500		
	Ku	Fashion 4K	TV	DVB-S2	3/4	27.500		English
	Ku	Home 4K	TV	DVB-S2	3/4	27.500		Russian
	Ku	Stingray Festival 4K	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
12.245	R Ku	NTV Plus Dalniy Vostok	package	DVB-S2	3/4	27.500	Viaccess 5.0	
	Ku	Evrokino	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Illusion +	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Tochka Otryva	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Russkiy Illusion	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Animal Planet Russia	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	Cartoon Network Russia & South East Europe	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	Discovery Channel Russia	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	Fox Russia	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	Fox Life Russia	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	Detski Mir	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	TeleKlub	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	EuroNews Russkiy	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Eurosport 1 International	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	Eurosport 1 Rossiya	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	Bober	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Dom Kino	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	JimJam Rossiya	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	Morskoi	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	AMC Russia	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	Nat Geo Wild Russia	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	National Geographic Russia	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	Nickelodeon CIS	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	TLC Russia	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	TV XXI	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	V Gostyakh u Skazki	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	CBS Reality Europe	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	Extreme Sports Channel	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	MTV Russia	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
12.303	L Ku	NTV Plus Dalniy Vostok	package	DVB-S2	3/4	27.500	Viaccess 5.0	
	Ku	Match!	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	KHL TV	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Auto Plus	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Match! Boets	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Europa Plus TV	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Indijskoe Kino	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Telekanal Spas	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Kinokomedija	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang	
	Ku	Kuhnya TV	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	La Minor	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	Kinoserija	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	365 dnei TV	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	OTR	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	RBK TV	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	Bridge TV	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	Konny Mir	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	Rossiya 24	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	Sovershenno Sekretno TV	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	Bollywood HD	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	Moya Planeta	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	Outdoor Channel International	TV	DVB-S2	3/4	27.500	Viaccess 5.0	English	
	Ku	Match! Nash Sport	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	World Fashion Channel Russia	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	Muzhskoe Kino	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	Russkaya Noch	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	Nostalgia	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian	
	Ku	NHK World TV	TV	DVB-S2	3/4	27.500		English	
12.322	R	Ku	NTV Plus Dalniy Vostok	package	DVB-S2	3/4	27.500	Viaccess 5.0	
		Ku	Kinosemja	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Kinosvidanie	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Kinohit	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Nashe Novoe Kino	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Kinomiks	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Rodnoe Kino	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Nashe TV	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Muz TV	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Mama	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	A2	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	A1	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
		Ku	Telekanal 2x2	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	RT Doc	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	24 Doc	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	NTV Serial	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Telekanal O!	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Kto est kto	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Boks TV	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Discovery Science	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
		Ku	Investigation Discovery Rossiya	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
		Ku	Tiji Russia	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Gulli Girl	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Ani	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	TDK	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
12.380	L	Ku	NTV Plus Dalniy Vostok	package	DVB-S2	3/4	27.500	Viaccess 5.0	
		Ku	Perviy kanal	TV	DVB-S2	3/4	Y 27.500	Viaccess 5.0	Russian
		Ku	Rossiya 1	TV	DVB-S2	3/4	Y 27.500	Viaccess 5.0	Russian
		Ku	NTV	TV	DVB-S2	3/4	Y 27.500	Viaccess 5.0	Russian
		Ku	5 Kanal	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Rossiya K	TV	DVB-S2	3/4	Y 27.500	Viaccess 5.0	Russian
		Ku	Karusel	TV	DVB-S2	3/4	Y 27.500	Viaccess 5.0	Russian
		Ku	TV Centr Dal'nii Vostok	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	REN TV	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	STS	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Domashniy	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	TV 3	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Pyatnitsa!	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Telekanal Zvezda	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Mir	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	TNT	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	Che	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	STS Love	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	TNT 4	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
		Ku	U	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Ku	Kanal Disney	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Prodvizhenie	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	NVK Sakha	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	OTV Primorje	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Gubernia	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	TNV Planeta	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Humor FM	radio	DVB-S2	3/4	27.500		Russian
	Ku	Radio Dlya Dvoih	radio	DVB-S2	3/4	27.500		Russian
	Ku	Radio Romantika	radio	DVB-S2	3/4	27.500		Russian
	Ku	Avtoradio	radio	DVB-S2	3/4	27.500		Russian
	Ku	Radio Vanya	radio	DVB-S2	3/4	27.500		Russian
	Ku	NRJ Russia	radio	DVB-S2	3/4	27.500		Russian
	Ku	DFM 101.2	radio	DVB-S2	3/4	27.500		Russian
	Ku	Russkoe Radio	radio	DVB-S2	3/4	27.500		Russian
	Ku	Hit FM	radio	DVB-S2	3/4	27.500		Russian
	Ku	Maximum 103.7 FM	radio	DVB-S2	3/4	27.500		Russian
	Ku	Business FM	radio	DVB-S2	3/4	27.500		Russian
	Ku	Militseyskaya Volna	radio	DVB-S2	3/4	27.500		Russian
	Ku	Comedy Radio	radio	DVB-S2	3/4	27.500		Russian
	Ku	Radio Komsomolskaya Pravda	radio	DVB-S2	3/4	27.500		Russian
	Ku	Relax FM	radio	DVB-S2	3/4	27.500		Russian
	Ku	Echo Moskva	radio	DVB-S2	3/4	27.500		Russian
	Ku	Radio Mir	radio	DVB-S2	3/4	27.500		Russian
	Ku	Love Radio	radio	DVB-S2	3/4	27.500		Russian
	Ku	Radio Chanson	radio	DVB-S2	3/4	27.500		Russian
	Ku	Detskoe Radio Moskva	radio	DVB-S2	3/4	27.500		Russian
12.456	L Ku	NTV Plus Dalniy Vostok	package	DVB-S2	3/4	27.500	Viaccess 5.0	
	Ku	Dom Kino Premium	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Kinopremyera	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Match! Arena	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Rossiya 1	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	HD Life	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	MGM HD Russia	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
	Ku	Travel Channel Europe	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian,English
12.476	R Ku	NTV Plus Dalniy Vostok	package	DVB-S2	3/4	27.500	Viaccess 5.0	
	Ku	Match! Futbol 2	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Match!	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Match! Igra	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Match! Futbol 1	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Perviy kanal	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Nash Futbol	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian
	Ku	Match! Futbol 3	TV	DVB-S2	3/4	27.500	Viaccess 5.0	Russian

## EUTELSAT 117 WEST B

11.480	H Ku 1	Star TV México	package	DVB-S2	3/4	34.826	Irdeto	
	Ku 1	Canal Star TV	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Azteca Trece	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Azteca 7	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Canal Once	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Las Estrellas México +2	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Fox México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Canal Sony Centro	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Multimedios Plus	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Unicable	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Warner Channel México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	FX Norte	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Universal Channel México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Tru TV América Latina	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Fox Life México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	TNT Series México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	TBS América Latina	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	National Geographic Norte	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Marfavisión México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Disney Channel México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Disney Junior México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish



Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Ku 1	Disney XD México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Nat Geo Kids	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Cartoon Network México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Boomerang México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Cinecanal Oeste	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	TNT México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Cinemax Latinoamérica	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Space México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	FXM Oeste	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	HBO Latinoamérica	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	ESPN México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	ESPN 3 América Latina	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Univision TDN	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Milenio TV	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
11.520	H Ku 1	Star TV México	package	DVB-S2	3/4	34.826	Irdeto	
	Ku 1	Las Estrellas México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Canal 5	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	MTV Latino Norte	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	RMS	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	TeleHit	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Bandamax	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Foro TV	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Gala TV	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	El Latinoamérica	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	AXN Latinoamérica	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	A&E Latinoamérica	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Tinovelas América	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Distrito Comedia	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	History Latinoamérica	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Nickelodeon Norte	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Nick Jr Latin America	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Tiin	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	De Película	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Paramount Channel Latin America	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Golden	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Golden Edge	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	HBO 2 Latinoamérica	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Max México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	HBO Family Latinoamérica	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Max Prime Oeste	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Max Up Latinoamérica	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	ESPN 2 América Latina	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Fox Sports Cono Norte	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Fox Sports 2 Latin America	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Fox Sports 3 Latin America	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	TDN México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	CNN en Español	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
11.560	H Ku 1	Star TV México	package	DVB-S2	3/4	34.826	Irdeto	
	Ku 1	Imagen TV	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	TV UNAM	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Canal 22 Nacional	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Canal 22.2	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	ADN 40	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Canal del Congreso	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Canal Judicial	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Ingenio TV	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	A+	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Syfy Latin	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Telemundo Internacional	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Lifetime Latinoamérica	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Az Corazón	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Comedy Central Latinoamérica Norte	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Nat Geo Wild Latin	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	H2 Latinoamérica	TV	DVB-S2	3/4	34.826	Irdeto	Spanish

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Ku 1	Once niños	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Baby TV Latin America	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Enlace	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Studio Universal México	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Az Cinema	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	El Financiero Bloomberg	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Fox News Channel	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Playboy TV Latin America	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Venus	TV	DVB-S2	3/4	34.826	Irdeto	Spanish

### EUTELSAT 172B

3.952	H C	Walesi TV	package	DVB-S2	3/5	7.500	Verimatrix	
	C	FBC TV	TV	DVB-S2	3/5	7.500	Verimatrix	
	C	FBC Plus	TV	DVB-S2	3/5	7.500	Verimatrix	
	C	FBC 2	TV	DVB-S2	3/5	7.500	Verimatrix	
	C	Fiji One	TV	DVB-S2	3/5	7.500	Verimatrix	English
	C	Parliament of Fiji	TV	DVB-S2	3/5	7.500	Verimatrix	English
	C	Mai TV	TV	DVB-S2	3/5	7.500	Verimatrix	English
	C	Hope Channel Fiji	TV	DVB-S2	3/5	7.500	Verimatrix	English
	C	Channel 2	TV	DVB-S2	3/5	7.500	Verimatrix	English
4.195	H C	NBC TV	TV	DVB-S2	3/4	1.415		English