



Eutelsat TV Line-Up

Channels transmitted by Eutelsat satellites

Updated on : Tuesday, 09 July 2019

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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
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	Canal Iberoamericano	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
3.740	H C	Televisa Networks	package	DVB-S2	3/4	30.000	Digicipher	
	C	TeleHit	TV	DVB-S2	3/4	30.000	Digicipher	Spanish
	C	Las Estrellas México	TV	DVB-S2	3/4	30.000	Digicipher	Spanish
	C	Bandamax	TV	DVB-S2	3/4	30.000	Digicipher	Spanish
	C	Las Estrellas Latinoamérica	TV	DVB-S2	3/4	30.000	Digicipher	Spanish
	C	Unicable	TV	DVB-S2	3/4	30.000	Digicipher	Spanish
	C	TDN Centro	TV	DVB-S2	3/4	30.000	Digicipher	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	Sport Vision	TV	DVB-S2	8/9	5.225		Spanish
	C	Amé 47 TV	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	V C	Congreso TV	TV	DVB-S2	5/6	1.480		Spanish
3.820	H C	Canal Uno	TV	DVB-S2	3/4	2.000	BISS	Spanish
	C	Televisa Networks	package	DVB-S2	3/4	30.000	Digicipher	
	C	Golden	TV	DVB-S2	3/4	30.000	Digicipher	Spanish
	C	Golden Premier	TV	DVB-S2	3/4	30.000	Digicipher	Spanish
	C	Golden Premier 2	TV	DVB-S2	3/4	30.000	Digicipher	Spanish
	C	Adrenalina Sports Network	TV	DVB-S2	3/4	30.000	Digicipher	Spanish
	C	De Película	TV	DVB-S2	3/4	30.000	Digicipher	Spanish
	C	TeleHit	TV	DVB-S2	3/4	30.000	Digicipher	Spanish
	C	TDN México	TV	DVB-S2	3/4	30.000	Digicipher	Spanish
	C	CJ Grand Shopping	TV	DVB-S2	3/4	30.000	Digicipher	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	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 Estados Unidos	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

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
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
3.878	H C	EDN TV	TV	DVB-S2	3/4	1.665		Spanish
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
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 María	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
3.909	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
3.911	H C	Vea Canal	TV	DVB-S	3/4	2.500		Spanish
3.916	H C	IPN	TV	DVB-S	3/4	1.520		Spanish
3.924	V C	TPSD	package	DVB-S2	8/9	7.257		
	C	Color Visión 9	TV	DVB-S2	8/9	7.257		Spanish
	C	Canal 25	TV	DVB-S2	8/9	7.257		Spanish
	C	Red Nacional de Noticias	TV	DVB-S2	8/9	7.257		Spanish
	C	Super Canal 33	TV	DVB-S2	8/9	7.257		Spanish
	C	Hilando Fino TV	TV	DVB-S2	8/9	7.257		Spanish
	C	Sport Vision	TV	DVB-S2	8/9	7.257		Spanish
	C	Megavisión	TV	DVB-S2	8/9	7.257		Spanish
	C	Teleunion	TV	DVB-S2	8/9	7.257		Spanish
	C	Amé 47 TV	TV	DVB-S2	8/9	7.257		Spanish
	C	Naranja TV	TV	DVB-S2	8/9	7.257		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	Bandamax	TV	Digicipher 2	3/4	29.270	Encrypted	Spanish
	C	Tlnovelas 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	Honduras mux	package	DVB-S2	3/4	11.250		
	C	DTV	TV	DVB-S2	3/4	11.250		Spanish
	C	Si TV	TV	DVB-S2	3/4	11.250		Spanish
	C	Mi Viña Channel	TV	DVB-S2	3/4	11.250		Spanish
	C	HCH	TV	DVB-S2	3/4	11.250		Spanish
	C	Waldivisión Internacional	TV	DVB-S2	3/4	11.250		Spanish

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	C	Todo Deportes TV	TV	DVB-S2	3/4	11.250		Spanish
	C	TeleProgreso	TV	DVB-S2	3/4	11.250		Spanish
	C	JBN TV	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	Canal 11	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	Musiquera	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	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
	C	DTV	TV	DVB-S2	3/4	1.595		Spanish
	C	Si TV	TV	DVB-S2	3/4	1.595		Spanish
	C	Waldivisión Internacional	TV	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	Radio Globo Honduras	radio	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
4.015	V C	Ecuador TV	TV	DVB-S	3/4	3.000		Spanish
4.016	H C	Nuestra Vision	TV	DVB-S2	5/6	23.200		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		

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	C	Canal del Congreso	TV	Digicipher 2	3/4	19.510		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
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
4.098	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 Arquidiócesana	TV	DVB-S2	3/4	2.500		Spanish
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	WTVJ-TV	TV	DVB-S2	5/6	30.000	Digicipher	English
	C	WPLG-TV	TV	DVB-S2	5/6	30.000	Digicipher	English
	C	Flow Sports	TV	DVB-S2	5/6	30.000	Digicipher	English
	C	Cala Action	TV	DVB-S2	5/6	30.000	Digicipher	English
	C	WFOR-TV	TV	DVB-S2	5/6	30.000	Digicipher	English
	C	TeleXitos	TV	DVB-S2	5/6	30.000	Digicipher	Spanish
	C	Cala Weather	TV	DVB-S2	5/6	30.000	Digicipher	English
	C	Cala Westerns	TV	DVB-S2	5/6	30.000	Digicipher	English
	C	Cala Classics	TV	DVB-S2	5/6	30.000	Digicipher	English
	C	WLTW-TV	TV	DVB-S2	5/6	30.000	Digicipher	English
4.134	H C	Ecuador TV	package	DVB-S	3/4	4.400		
	C	Ecuador TV	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
11.940	V Ku 1	Orby TV	package	DVB-S2	2/3	30.000	Nagravision	
	Ku 1	TNT East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	TBS East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	AMC East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	IFC East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Sundance TV East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	A&E East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Comedy Central East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Paramount Network East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	BBC America East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Oprah Winfrey Network East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Lifetime East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Lifetime Movies East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Lifetime Real Women	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	We TV East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	TCM US	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Discovery Channel East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Discovery Family	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Discovery Life Channel	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	American Heroes Channel USA	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Military History US	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Crime + Investigation Network USA	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	TV Land East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Viceland East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Tru TV East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Logo East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Motortrend	TV	DVB-S2	2/3	30.000	Nagravision	English

Freq	Beam		Analog	Diff	Fec	Symbl Rate	Acces	Lang
	Ku 1	CNN USA	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	HLN	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	CNN International North America	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	BBC World News Americas	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	C-SPAN	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	C-SPAN 2	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Discovery en Español	TV	DVB-S2	2/3	30.000	Nagravision	Spanish
	Ku 1	History en Español	TV	DVB-S2	2/3	30.000	Nagravision	Spanish
	Ku 1	CNN en Español	TV	DVB-S2	2/3	30.000	Nagravision	Spanish
	Ku 1	Discovery Familia	TV	DVB-S2	2/3	30.000	Nagravision	Spanish
11.980	V Ku 1	Orby TV	package	DVB-S2	2/3	30.000	Nagravision	
	Ku 1	History East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Investigation Discovery East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	HGTV East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Food Network East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Travel Channel East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Destination America	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	FYI East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Cooking Channel	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	DIY Network USA	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Animal Planet East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	TLC East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Science	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Cartoon Network East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Cartoon Network West	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Nickelodeon East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Nickelodeon West	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Nicktoons East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Nick Jr East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	TeenNick East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Boomerang US	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	BET East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	BET Gospel	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	BET Her East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	BET Jams	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	BET Soul	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	MTV East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	MTV 2 East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	MTV Classic East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	VH1 East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	CMT East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Great American Country	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Starz East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Starz Comedy East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Starz Encore East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Starz Encore Westerns East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Epix East	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Epix 2	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Epix Hits	TV	DVB-S2	2/3	30.000	Nagravision	English
	Ku 1	Epix Drive-In	TV	DVB-S2	2/3	30.000	Nagravision	English
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	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

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	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	H2 Latinoamérica	TV	DVB-S	3/4	30.000	Conax	Spanish
	Ku 2	FXM Este	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	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
	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	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 Sur	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
	Ku 2	Disney Channel Sur	TV	DVB-S	3/4	29.000	Conax	Spanish
	Ku 2	Disney XD 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

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
EUTELSAT 113 WEST A									
3.713	V C 1	El Financiero Bloomberg	TV	DVB-S2	5/6		5.000		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	Tele Yucatán	TV	DVB-S	3/4		2.875		Spanish
3.779	H C 1	TeleFórmula	TV	DVB-S2	2/3		4.800		Spanish
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
	C 1	WFM	radio	DVB-S	3/4		2.083		Spanish
3.793	V C 1	unknown	package	DVB-S2	3/4		17.916	PowerVu	
	C 1	Film & Arts México	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	TVC Deportes 2	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	Mega Sports	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	Beat Box	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	Pánico	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	Hola! TV América Latina	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	Pasiones Estados Unidos	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	Cine Mexicano	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	AMC México	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	Platino 2	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	Platino	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	Más Chic Lationamérica	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	Elgourmet	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	Sundance TV Latin America	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	NFL Network	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
	C 1	NBA TV Latin America	TV	DVB-S2	3/4		17.916	PowerVu	Spanish
3.794	H C 1	RCG TV 1	TV	DVB-S2	3/5		1.660		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
3.834	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	Multimedios TV	package	DVB-S2	2/3		19.165	PowerVu	
	C 1	Multimedios Plus	TV	DVB-S2	2/3		19.165	PowerVu	Spanish
	C 1	Milenio TV	TV	DVB-S2	2/3		19.165	PowerVu	Spanish
	C 1	Multimedios TV USA	TV	DVB-S2	2/3		19.165	PowerVu	Spanish
	C 1	Multimedios TV Houston	TV	DVB-S2	2/3		19.165	PowerVu	Spanish
	C 1	Altavisión	TV	DVB-S2	2/3		19.165	PowerVu	Spanish

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
	C 1	Multimedios TV	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	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	TV Nuevo León 28	TV	DVB-S	3/4	3.200		Spanish
	C 1	Opus 1510 AM	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	MTV Latino	TV	DVB-S2	3/4	30.000	PowerVu	Spanish
	C 1	Kids Central	TV	DVB-S2	3/4	30.000	PowerVu	Spanish
3.955	H C 1	Excelsior TV	TV	DVB-S2	?	2.400		Spanish
4.012	V C 3	unknown	package	DVB-S2	2/3	11.600	PowerVu	
	C 3	TLR	TV	DVB-S2	2/3	11.600	PowerVu	Spanish
	C 3	Milenio TV	TV	DVB-S2	2/3	11.600	PowerVu	Spanish
	C 3	Multimedios Costa Rica	TV	DVB-S2	2/3	11.600	PowerVu	Spanish
	C 3	Multimedios Plus	TV	DVB-S2	2/3	11.600	PowerVu	Spanish
4.034	H C 3	Claro TV promo	TV	DVB-S	3/4	3.551		Spanish
4.038	H C 3	unknown	package	DVB-S2	?	.833	BISS	
	C 3	W Radio	radio	DVB-S2	?	.833	BISS	Spanish
	C 3	W Deportes	radio	DVB-S2	?	.833	BISS	Spanish
	C 3	Los 40 Principales México	radio	DVB-S2	?	.833	BISS	Spanish
	C 3	Ke buena	radio	DVB-S2	?	.833	BISS	Spanish
4.040	V C 3	Luken	package	DVB-S2	3/4	30.000		
	C 3	Retro TV East	TV	DVB-S2	3/4	30.000		English
	C 3	Action East	TV	DVB-S2	3/4	30.000		English
	C 3	The Family Channel East	TV	DVB-S2	3/4	30.000		English
	C 3	Retro TV West	TV	DVB-S2	3/4	30.000		English
	C 3	Heartland East	TV	DVB-S2	3/4	30.000		English
	C 3	Action West	TV	DVB-S2	3/4	30.000		English
	C 3	Cutlery Corner Network	TV	DVB-S2	3/4	30.000		English
	C 3	The Family Channel West	TV	DVB-S2	3/4	30.000		English
	C 3	KBEH-DT 3	TV	DVB-S2	3/4	30.000		Spanish
	C 3	Heartland West	TV	DVB-S2	3/4	30.000		English
	C 3	KMCC-TV Heartland	TV	DVB-S2	3/4	30.000		English
	C 3	WMEI-TV	TV	DVB-S2	3/4	30.000		English
	C 3	WFMZ-DT 4	TV	DVB-S2	3/4	30.000		English
	C 3	WPVN-CD	TV	DVB-S2	3/4	30.000		English
	C 3	WLLA-DT 2	TV	DVB-S2	3/4	30.000		English
	C 3	WBNA-DT 4	TV	DVB-S2	3/4	30.000		English
	C 3	WJYS-DT 4	TV	DVB-S2	3/4	30.000		English
	C 3	WPXS-TV	TV	DVB-S2	3/4	30.000		English
	C 3	Rev'n TV	TV	DVB-S2	3/4	30.000		English
	C 3	WAOH-LP	TV	DVB-S2	3/4	30.000		English
	C 3	KWHY-DT 2	TV	DVB-S2	3/4	30.000		English
	C 3	KMCC-TV Action	TV	DVB-S2	3/4	30.000		English
	C 3	KRFT-LD	TV	DVB-S2	3/4	30.000		English
	C 3	Jewelry TV	TV	DVB-S2	3/4	30.000		English
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
4.086	V C 3	Hope Channel Inter-America	TV	DVB-S2	2/3	2.500		Spanish
4.140	H C 3	Thema America	package	DVB-S2	5/6	30.000	PowerVu	
	C 3	Canal + International	TV	DVB-S2	5/6	30.000	PowerVu	French
	C 3	Canal Once	TV	DVB-S2	5/6	30.000	PowerVu	Spanish
	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	Canal 22 Internacional	TV	DVB-S2	5/6	30.000	PowerVu	Spanish
	C 3	C News	TV	DVB-S2	5/6	30.000	PowerVu	French
	C 3	Studio +	TV	DVB-S2	5/6	30.000	PowerVu	French

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
4.189	C 3	Mezzo	TV	DVB-S2	5/6	30.000	PowerVu	French
	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
	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
11.974	V Ku 2	unknown	package	DVB-S2	2/3	3.330		
	Ku 2	Hope Channel Inter-America	TV	DVB-S2	2/3	3.330		Spanish
	Ku 2	Hope Channel	TV	DVB-S2	2/3	3.330		English
11.984	H Ku 2	BVN Amerika	TV	DVB-S2	1/2	3.600		Dutch
12.046	H Ku 2	Reuters Live	TV	DVB-S2	3/5	18.900		English
12.076	H Ku 2	BVN Amerika	TV	DVB-S	3/4	5.787		Dutch
	Ku 2	VRT Radio 1	radio	DVB-S	3/4	5.787		Dutch
12.161	H Ku 2	Apostolic Oneness Network	TV	DVB-S	3/4	1.480		English

EUTELSAT 8 WEST B

3.725	R C	StarTimes TV Uganda	package	DVB-S2	3/4	30.000		
	C	ST Rise	TV	DVB-S2	3/4	30.000	Conax	
	C	Discovery Family Africa	TV	DVB-S2	3/4	30.000	Conax	English
	C	ST Sports Premium	TV	DVB-S2	3/4	30.000		English,French
	C	ST Bollywood	TV	DVB-S2	3/4	30.000		Hindi,Swahili,Luganda,English,French,Yoruba,Portuguese
	C	ST Sports Arena	TV	DVB-S2	3/4	30.000		English,French
	C	ST Plus	TV	DVB-S2	3/4	30.000		
	C	Star Gold UK	TV	DVB-S2	3/4	30.000		
	C	Animaux	TV	DVB-S2	3/4	30.000		French,English
	C	MTV Base Africa	TV	DVB-S2	3/4	30.000		English
	C	Fox News Channel	TV	DVB-S2	3/4	30.000		English
	C	Fox Africa	TV	DVB-S2	3/4	30.000		English
	C	TVC News	TV	DVB-S2	3/4	30.000	Conax	English
	C	ST World Football	TV	DVB-S2	3/4	30.000		English
	C	ST Sports Life	TV	DVB-S2	3/4	30.000		English
	C	E! Africa	TV	DVB-S2	3/4	30.000		English
	C	Nickelodeon Africa	TV	DVB-S2	3/4	30.000		English
	C	Fox Sports Africa	TV	DVB-S2	3/4	30.000		English,French
	C	ST Swahili	TV	DVB-S2	3/4	30.000		Swahili
	C	ST Zone	TV	DVB-S2	3/4	30.000		English
	C	ST Novela E	TV	DVB-S2	3/4	30.000		English
	C	ST Movies	TV	DVB-S2	3/4	30.000		English
	C	ST Sports Focus	TV	DVB-S2	3/4	30.000		English
	C	Fine Living	TV	DVB-S2	3/4	30.000		English
	C	ST Music	TV	DVB-S2	3/4	30.000		English
	C	Fox Life Africa	TV	DVB-S2	3/4	30.000		English
	C	JimJam Europe	TV	DVB-S2	3/4	30.000		English,Portuguese
	C	Fox Sports 2 Africa	TV	DVB-S2	3/4	30.000		English
	C	Emmanuel TV	TV	DVB-S2	3/4	30.000	Conax	English
	C	ST Series E1	TV	DVB-S2	3/4	30.000		English
	C	Bloomberg TV Africa	TV	DVB-S2	3/4	30.000		English
	C	Aljazeera English	TV	DVB-S2	3/4	30.000		English
	C	Smile TV	TV	DVB-S2	3/4	30.000		English
	C	Zee Cinema Africa	TV	DVB-S2	3/4	30.000		Hindi
	C	StarTimes TV Guide Uganda	TV	DVB-S2	3/4	30.000		English
	C	National Geographic South Africa	TV	DVB-S2	3/4	30.000		English
	C	Baby TV Europe	TV	DVB-S2	3/4	30.000		English,French,Portuguese
	C	Investigation Discovery Africa	TV	DVB-S2	3/4	30.000		English

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	C	ST Kungfu	TV	DVB-S2	3/4		30.000		English,French,Chinese
	C	ST World Football	TV	DVB-S2	3/4		30.000		English
	C	ST Novela E	TV	DVB-S2	3/4		30.000		English
	C	ST Dadin Kowa	TV	DVB-S2	3/4		30.000		Hausa
3.761	R C	StarTimes TV Uganda	package	DVB-S2	3/4		30.000		
	C	Trace Africa Français	TV	DVB-S2	3/4		30.000		French
	C	RMC Sport 4	TV	DVB-S2	3/4		30.000		French
	C	Biggs	TV	DVB-S2	3/4		30.000		Portuguese
	C	EWTN Africa & Asia	TV	DVB-S2	3/4		30.000		English
	C	EbonyLife TV	TV	DVB-S2	3/4		30.000		English
	C	Clouds TV	TV	DVB-S2	3/4		30.000	Conax	English
	C	AMC Movies	TV	DVB-S2	3/4		30.000		English
	C	Dove TV	TV	DVB-S2	3/4		30.000		English
	C	ST Kids	TV	DVB-S2	3/4		30.000		English
	C	ST Sino Drama	TV	DVB-S2	3/4		30.000		English,French,Portuguese
	C	Viasat History Africa	TV	DVB-S2	3/4		30.000		English
	C	Viasat Life	TV	DVB-S2	3/4		30.000		English
	C	CNC World English	TV	DVB-S2	3/4		30.000		English
	C	Trace Africa English	TV	DVB-S2	3/4		30.000		English
	C	Trace Mziki	TV	DVB-S2	3/4		30.000		English
	C	ST Naija	TV	DVB-S2	3/4		30.000		English
	C	ST Novela F Plus	TV	DVB-S2	3/4		30.000	Conax	French
	C	ST World Football	TV	DVB-S2	3/4		30.000		English
	C	France 24 English	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Novela E	TV	DVB-S2	3/4		30.000		English
	C	ST World Football	TV	DVB-S2	3/4		30.000		English
	C	ST Novela E	TV	DVB-S2	3/4		30.000		English
	C	ST World Football	TV	DVB-S2	3/4		30.000		English
	C	ST Novela E	TV	DVB-S2	3/4		30.000		English
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
3.826	R C	unknown	package	DVB-S2	4/5		13.830		
	C	Tele Congo	TV	DVB-S2	4/5		13.830		French
	C	Equidia Pro 1	TV	DVB-S2	4/5		13.830	Viaccess	French,English,German
	C	Trace FM Congo	radio	DVB-S2	4/5		13.830		French
	C	Radio Congo	radio	DVB-S2	4/5		13.830		French
3.840	L C	Channels 24	TV	DVB-S2	3/5		2.400		English
3.853	R C	Zambian mux	package	DVB-S2	3/4		9.664		
	C	ZNBC TV 1	TV	DVB-S2	3/4		9.664		English
	C	ZNBC TV 2	TV	DVB-S2	3/4		9.664		English
	C	ZNBC TV 3	TV	DVB-S2	3/4		9.664		English
	C	Muvi TV 2	TV	DVB-S2	3/4		9.664		English
	C	Revelation TV	TV	DVB-S2	3/4		9.664		English
	C	Prime TV	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	Camnet TV	TV	DVB-S2	3/4		9.664		English
	C	Diamond TV	TV	DVB-S2	3/4		9.664		English
	C	Life TV	TV	DVB-S2	3/4		9.664		English
	C	Hope Channel Zambia	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
	C	Life TV	TV	DVB-S2	3/4		1.600		French
3.889	L C	ORTB TV	TV	DVB-S	3/4		2.982		French
	C	Radio Bénin	radio	DVB-S	3/4		2.982		French
	C	Atlantic FM	radio	DVB-S	3/4		2.982		French
3.892	L C	BB 24	TV	DVB-S	7/8		1.793		French
3.896	L C	TVE Internacional África	TV	DVB-S2	5/6	Y	3.500		

Freq		Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
		C	RNE Radio Nacional	radio	DVB-S2	5/6		3.500		Spanish
		C	Radio Exterior	radio	DVB-S2	5/6		3.500		
3.913	L	C	AFP TV	TV	DVB-S2	5/6		8.915	BISS	English
3.925	R	C	unknown	package	DVB-S2	2/3		30.000	Irdeto	
		C	Fox Sports Africa	TV	DVB-S2	2/3		30.000	Irdeto	English,French
		C	Fox Sports 2 Africa	TV	DVB-S2	2/3		30.000	Irdeto	English
		C	Viasat Nature Africa	TV	DVB-S2	2/3		30.000	Irdeto	English
		C	Viasat Explore Africa	TV	DVB-S2	2/3		30.000	Irdeto	English
		C	Viasat Life	TV	DVB-S2	2/3		30.000	Irdeto	English
		C	Viasat History Africa	TV	DVB-S2	2/3		30.000	Irdeto	English
		C	Viasat Life	TV	DVB-S2	2/3		30.000	Irdeto	English
		C	Fox Africa	TV	DVB-S2	2/3		30.000	Irdeto	English
		C	Fox Life Africa	TV	DVB-S2	2/3		30.000	Irdeto	English
		C	National Geographic South Africa	TV	DVB-S2	2/3		30.000	Irdeto	English
		C	Nat Geo Wild South Africa	TV	DVB-S2	2/3		30.000	Irdeto	English
		C	Voyage	TV	DVB-S2	2/3		30.000	Irdeto	French
		C	National Geographic France	TV	DVB-S2	2/3		30.000	Irdeto	French
		C	Nat Geo Wild France	TV	DVB-S2	2/3		30.000	Irdeto	French
		C	RTR Planeta	TV	DVB-S2	2/3		30.000		Russian
		C	Fashion One Europe	TV	DVB-S2	2/3		30.000		English
3.957	R	C	Fox Sports Africa	package	DVB-S2	2/3		6.200	Irdeto	
		C	Fox Sports Africa	TV	DVB-S2	2/3		6.200	Irdeto	English,French
		C	Fox Sports 2 Africa	TV	DVB-S2	2/3		6.200	Irdeto	English
3.964	R	C	RFI	package	DVB-S2	1/2		4.166		
		C	Monte Carlo Doualiya	radio	DVB-S2	1/2		4.166		Arabic
		C	RFI Français	radio	DVB-S2	1/2		4.166		French
		C	RFI Langues 1	radio	DVB-S2	1/2		4.166		
		C	RFI Langues 2	radio	DVB-S2	1/2		4.166		
		C	RFI Musique	radio	DVB-S2	1/2		4.166		French
		C	RFI Diverse 1	radio	DVB-S2	1/2		4.166		
		C	RFI Diverse 2	radio	DVB-S2	1/2		4.166		
		C	RFI Diverse 3	radio	DVB-S2	1/2		4.166		
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	Trace Africa Français	TV	DVB-S2	3/4		30.000		French
		C	RMC Sport 4	TV	DVB-S2	3/4		30.000		French,English
		C	Biggs	TV	DVB-S2	3/4		30.000	Conax	Portuguese
		C	National Geographic Portugal	TV	DVB-S2	3/4		30.000	Conax	Portuguese
		C	Fox Portugal	TV	DVB-S2	3/4		30.000	Conax	Portuguese
		C	CGTN Documentary	TV	DVB-S2	3/4		30.000		English
		C	Africa 24	TV	DVB-S2	3/4		30.000		French
		C	Dove TV	TV	DVB-S2	3/4		30.000		English
		C	CGTN	TV	DVB-S2	3/4		30.000		English
		C	Ma Chaîne Sport	TV	DVB-S2	3/4		30.000		French
		C	ST Sino Drama	TV	DVB-S2	3/4		30.000		English
		C	Da Vinci	TV	DVB-S2	3/4		30.000	Conax	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 Movies	TV	DVB-S2	3/4		30.000	Conax	English
		C	Trace Africa English	TV	DVB-S2	3/4		30.000		English
		C	Trace Mziki	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 Français	TV	DVB-S2	3/4		60.000	Nagravision	French
		C	Voxafrica 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

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	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	Disney Channel France	TV	DVB-S2	3/4		60.000	Nagravision	French
	C	Easy TV	package	DVB-S2	3/4		60.000	Nagravision	
	C	Voyage	TV	DVB-S2	3/4		60.000	Nagravision	French
	C	A+ Sport	TV	DVB-S2	3/4		60.000	Nagravision	French
	C	C8	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	Zee Magic	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	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	Tele Congo	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	Vox TV	TV	DVB-S2	3/4		60.000	Nagravision	French
	C	Easy TV	package	DVB-S2	3/4		60.000	Nagravision	
	C	RTNC	TV	DVB-S2	3/4		60.000	Nagravision	French
	C	Antenne A	TV	DVB-S2	3/4		60.000	Nagravision	French
	C	B-One TV	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
	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	Studio Sango Malamu	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	ST Rise	TV	DVB-S2	3/4		30.000	Conax	
	C	Discovery Family Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Sports Premium	TV	DVB-S2	3/4		30.000	Conax	English,French
	C	ST Bollywood	TV	DVB-S2	3/4		30.000	Conax	Hindi,Swahili,Luganda,English,French,Yoruba,Portuguese
	C	ST Sports Premium Africa	TV	DVB-S2	3/4		30.000	Conax	English,French
	C	ST Plus	TV	DVB-S2	3/4		30.000	Conax	
	C	ST Sports Arena Africa	TV	DVB-S2	3/4		30.000	Conax	English,French
	C	Star Gold UK	TV	DVB-S2	3/4		30.000	Conax	
	C	Animaux	TV	DVB-S2	3/4		30.000	Conax	French,English
	C	MTV Base Africa	TV	DVB-S2	3/4		30.000		English
	C	ST Kungfu Plus	TV	DVB-S2	3/4		30.000	Conax	English,French,Portuguese
	C	Fox News Channel	TV	DVB-S2	3/4		30.000		English
	C	Fox Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST World Football Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	E! Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Sports Life 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 Swahili	TV	DVB-S2	3/4		30.000	Conax	Swahili
	C	ST Zone	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Movies	TV	DVB-S2	3/4		30.000	Conax	English
	C	Fine Living	TV	DVB-S2	3/4		30.000		English
	C	ST Sports Focus Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Music	TV	DVB-S2	3/4		30.000	Conax	English
	C	Fox Life Africa	TV	DVB-S2	3/4		30.000		English

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
	C	JimJam Europe	TV	DVB-S2	3/4		30.000	Conax	English,Portuguese
	C	Fox Sports 2 Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Bollywood Africa	TV	DVB-S2	3/4		30.000	Conax	Hindi,Swahili,Luganda,Yoruba
	C	ST Series E1	TV	DVB-S2	3/4		30.000	Conax	English
	C	Pop Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	Bloomberg TV Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	Aljazeera English	TV	DVB-S2	3/4		30.000	Conax	English
	C	Smile TV	TV	DVB-S2	3/4		30.000		English
	C	Zee Cinema Africa	TV	DVB-S2	3/4		30.000	Conax	Hindi
	C	National Geographic South Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	Baby TV Europe	TV	DVB-S2	3/4		30.000		English,French,Portuguese
	C	Iroko 1	TV	DVB-S2	3/4		30.000	Conax	
	C	Investigation Discovery Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Kungfu	TV	DVB-S2	3/4		30.000	Conax	English,French,Chinese
	C	ST Dadin Kowa	TV	DVB-S2	3/4		30.000	Conax	Hausa
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	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	Alebaa TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	Aljazeera Documentary	TV	DVB-S	3/4		27.500		Arabic
	MENA	Al Aqila TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	Qatar TV	TV	DVB-S	3/4		27.500		Arabic
	MENA	Hala TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	Aljazeera Mubasher Misr	TV	DVB-S	3/4		27.500		Arabic
	MENA	Falastini TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	Hebron Sat	TV	DVB-S	5/6		27.500		Arabic
	MENA	TRT World	TV	DVB-S	5/6		27.500		English
	MENA	Al Rayyan Radio	radio	DVB-S	3/4		27.500		Arabic
	MENA	Al Manhaj	TV	DVB-S	5/6		27.500		Arabic
	MENA	Sout Al Islam	radio	DVB-S	3/4		27.500		Arabic
	MENA	NRT 2	TV	DVB-S	5/6		27.500		Kurdish
	MENA	NRT	TV	DVB-S	5/6		27.500		Arabic
	MENA	Al-Shaer TV	TV	DVB-S	5/6		27.500		Arabic
11.013	H MENA	BeIn	package	DVB-S2	2/3		27.500	Irdeto/Videoguard	
	MENA	Noorsat	package	DVB-S	5/6		27.500		
	MENA	Almasirah TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	BeIn Sports HD 1	TV	DVB-S2	2/3		27.500	Irdeto/Videoguard	Arabic,English
	MENA	BeIn Sports HD 2	TV	DVB-S2	2/3		27.500	Irdeto/Videoguard	Arabic,English
	MENA	Sharjah TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	Sun TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	BeIn Sports HD 3	TV	DVB-S2	2/3		27.500	Irdeto/Videoguard	Arabic,English
	MENA	BeIn Sports HD 4	TV	DVB-S2	2/3		27.500	Irdeto/Videoguard	Arabic,English
	MENA	Sharqiya TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	Shatharat Watanea TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	Al Wousta TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	BeIn Sports HD 3 Max	TV	DVB-S2	2/3		27.500	Irdeto/Videoguard	English
	MENA	BeIn Sports HD 2 Max	TV	DVB-S2	2/3		27.500	Irdeto/Videoguard	Arabic
	MENA	Sharjah Sports	TV	DVB-S	5/6		27.500		Arabic
	MENA	Sharjah Radio	radio	DVB-S	5/6		27.500		Arabic
	MENA	Sharjah Quran	radio	DVB-S	5/6		27.500		Arabic
	MENA	Pulse 95	radio	DVB-S	5/6		27.500		English
	MENA	KurdMax Pepûle	TV	DVB-S	5/6		27.500		Kurdish
	MENA	KurdMax Show	TV	DVB-S	5/6		27.500		Kurdish
	MENA	Al Hiwar TV	TV	DVB-S	5/6		27.500		Arabic
11.054	H MENA	BeIn	package	DVB-S2	2/3		27.500	Irdeto/Videoguard	
	MENA	Kuwait TV	package	DVB-S2	2/3		27.500		
	MENA	BeIn Sports HD 5	TV	DVB-S2	2/3		27.500	Irdeto/Videoguard	Arabic,English
	MENA	KTV 1	TV	DVB-S2	2/3		27.500		Arabic
	MENA	BeIn Sports HD 6	TV	DVB-S2	2/3		27.500	Irdeto/Videoguard	Arabic,English
	MENA	KTV 2	TV	DVB-S2	2/3		27.500		English

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
	MENA	BeIn Sports HD 7	TV	DVB-S2	2/3		27.500	Irdeto/Videoguard	Arabic,English
	MENA	BeIn Sports HD 8	TV	DVB-S2	2/3		27.500	Irdeto/Videoguard	Arabic,English
	MENA	BeIn Sports HD 9	TV	DVB-S2	2/3		27.500	Irdeto/Videoguard	Arabic,English
	MENA	KTV Sport Plus	TV	DVB-S2	2/3		27.500		Arabic
	MENA	BeIn Sports Global	TV	DVB-S2	2/3		27.500		Arabic,English
	MENA	KTV Ethraa	TV	DVB-S2	2/3		27.500		Arabic
	MENA	Al-Majlis TV	TV	DVB-S2	2/3		27.500		Arabic
	MENA	Al-Qurain TV	TV	DVB-S2	2/3		27.500		Arabic
	MENA	Kuwait Kids	TV	DVB-S2	2/3		27.500		Arabic
	MENA	Radio Kuwait Main Program	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	Radio Kuwait Main Program	radio	DVB-S2	2/3		27.500		Arabic
11.096	H MENA	Viewsat	package	DVB-S	5/6		27.500		
	MENA	Alkarma TV Middle East 1	TV	DVB-S	5/6		27.500		Arabic
	MENA	Amaniload TV	TV	DVB-S	5/6		27.500		Amharic
	MENA	Nick Jr Arabia	TV	DVB-S2	2/3		27.500	Betacrypt	English,Arabic
	MENA	Crime + Investigation UK	TV	DVB-S2	2/3		27.500	Betacrypt	English
	MENA	Al Wifaq TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	Al-Hawyah	TV	DVB-S	5/6		27.500		Arabic
	MENA	CNBC Europe	TV	DVB-S2	2/3		27.500	Betacrypt	English
	MENA	Discovery Family Africa	TV	DVB-S2	2/3		27.500	Betacrypt	English,Arabic
	MENA	Lamsat	TV	DVB-S	5/6		27.500		Arabic
	MENA	TV Ifa Fayyinaa	TV	DVB-S	5/6		27.500		Amharic
	MENA	BBC First Middle East	TV	DVB-S2	2/3		27.500	Betacrypt	English
	MENA	Falaksat	TV	DVB-S	5/6		27.500		Arabic
	MENA	Holy Spirit TV Channel	TV	DVB-S	5/6		27.500		
	MENA	Syfy Middle East	TV	DVB-S2	2/3		27.500	Betacrypt	English
	MENA	Trace Urban	TV	DVB-S2	2/3		27.500	Betacrypt	French
	MENA	Charity TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	VH1 Europe	TV	DVB-S2	2/3		27.500	Betacrypt	English
	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	E! Middle East	TV	DVB-S2	2/3		27.500	Betacrypt	English,Arabic
	MENA	TV Saja	TV	DVB-S	5/6		27.500		Arabic
	MENA	Alanwar TV 2	TV	DVB-S	5/6		27.500		Arabic
	MENA	Joshua TV	TV	DVB-S	5/6		27.500		Amharic
	MENA	Misr ElBald	TV	DVB-S	5/6		27.500		Arabic
	MENA	ASRAT TV	TV	DVB-S	5/6		27.500		Amharic
	MENA	Kale Awadi TV	TV	DVB-S	5/6		27.500		Amharic
	MENA	Logos TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	Black Banners	TV	DVB-S	5/6		27.500		Arabic
	MENA	Alkeraza TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	Allahdhah TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	The Savior	TV	DVB-S	5/6		27.500		Arabic
	MENA	Wasat TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	Iraq Future TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	Presence TV Channel	TV	DVB-S	5/6		27.500		
	MENA	Al Ons TV	TV	DVB-S	5/6		27.500		Arabic
	MENA	Nour Al Sharq	TV	DVB-S	5/6		27.500		Arabic
	MENA	Suboro TV	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	Al-Majd Public Channel	TV	DVB-S2	5/6		27.500		Arabic
	MENA	Nilat TV	TV	DVB-S2	3/4		27.500		Arabic
	MENA	Shefaa TV	TV	DVB-S2	5/6		27.500		Arabic
	MENA	Bin Othaimen	TV	DVB-S2	3/4		27.500		Arabic
	MENA	Kurdsat News	TV	DVB-S2	5/6		27.500		Kurdish
	MENA	Kurdsat	TV	DVB-S2	5/6		27.500		Kurdish
	MENA	Radio Dal TV	TV	DVB-S2	5/6		27.500		Arabic
	MENA	Al Yawm	TV	DVB-S2	5/6		27.500	Betacrypt	Arabic
	MENA	Al Safwa	TV	DVB-S2	5/6		27.500	Betacrypt	Arabic
	MENA	Korek TV	TV	DVB-S2	5/6		27.500		Kurdish

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	MENA	Cinema 1	TV	DVB-S2	5/6		27.500	Betacrypt	Arabic
	MENA	Cinema 2	TV	DVB-S2	5/6		27.500	Betacrypt	Arabic
	MENA	Musalsalat +2	TV	DVB-S2	5/6		27.500	Betacrypt	Arabic
	MENA	Musalsalat	TV	DVB-S2	5/6		27.500	Betacrypt	Arabic
	MENA	Fann	TV	DVB-S2	5/6		27.500	Betacrypt	Arabic
	MENA	Music Now	TV	DVB-S2	5/6		27.500	Betacrypt	Arabic
	MENA	Tarabiya't	radio	DVB-S2	5/6		27.500	Betacrypt	Arabic
	MENA	Khalijya't	radio	DVB-S2	5/6		27.500	Betacrypt	Arabic
	MENA	Monawa't	radio	DVB-S2	5/6		27.500	Betacrypt	Arabic
11.179	H MENA	Noorsat Misr	package	DVB-S	5/6		27.500		
	MENA	Marjaeyat TV Nilesat	TV	DVB-S	7/8		27.500		English
	MENA	Al-Dardanel Channel	TV	DVB-S	5/6		27.500		Arabic
	MENA	Jordan Adwaa	TV	DVB-S	5/6		27.500		Arabic
	MENA	Al Falaqa TV	TV	DVB-S	7/8		27.500		Arabic
	MENA	Aljamahiriya TV	TV	DVB-S	5/6		27.500		
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 3	TV	DVB-S	5/6		27.500		Arabic
	East	Citruss TV	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	ETV	TV	DVB-S2	2/3		30.000		Amharic
	East	ETV Entertainment	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	OBN	TV	DVB-S2	2/3		30.000		
	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		
	East	Ahadu TV	TV	DVB-S	7/8		27.500		Amharic
11.554	V East	Gulfsat	package	DVB-S	3/4		27.500		
	East	Alahvaz TV	TV	DVB-S	5/6		27.500		Farsi
	East	Anwar Al Hayat TV	TV	DVB-S	3/4		27.500		Arabic
	East	Nesiha TV	TV	DVB-S	5/6		27.500		Amharic
	East	Alkazimy Alkafagha	TV	DVB-S	3/4		27.500		Arabic
	East	Thamarat Alnobowa TV	TV	DVB-S	5/6		27.500		Arabic
	East	Alwasi Channel	TV	DVB-S	5/6		27.500		Arabic
	East	Adala TV	TV	DVB-S	3/4		27.500		Arabic
	East	Albawadi 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	Khartoum TV	TV	DVB-S	3/4		27.500		Arabic
	East	Fursan Al Rawan TV	TV	DVB-S	3/4		27.500		Arabic
	East	Al Fallujah TV	TV	DVB-S	3/4		27.500		Arabic
	East	Hona Al-Anbar Channel	TV	DVB-S	3/4		27.500		Arabic
	East	Huna Salahden	TV	DVB-S	3/4		27.500		Arabic
	East	Free Syria TV	TV	DVB-S	3/4		27.500		Arabic
	East	Selfie TV	TV	DVB-S	3/4		27.500		Arabic
	East	Massaya TV	TV	DVB-S	3/4		27.500		Arabic
11.595	V East	Gulfsat	package	DVB-S	5/6		27.500		
	East	Halab Today TV	TV	DVB-S	5/6		27.500		Arabic
	East	Nahoo TV	TV	DVB-S	5/6		27.500		Amharic
	East	Jesus TV	TV	DVB-S	5/6		27.500		Amharic

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
	East	Tayba TV	TV	DVB-S	5/6	27.500		Arabic
	East	Amozhgary TV	TV	DVB-S	5/6	27.500		
	East	Jin TV	TV	DVB-S	5/6	27.500		Kurdish
	East	Aljesr TV	TV	DVB-S	5/6	27.500		Arabic
	East	JTV Ethiopia	TV	DVB-S	5/6	27.500		Amharic
	East	OMN TV	TV	DVB-S	5/6	27.500		
	East	Oromia News Network	TV	DVB-S	5/6	27.500		
	East	Sahoor Channel	TV	DVB-S	5/6	27.500		Arabic
	East	Aleph TV	TV	DVB-S	5/6	27.500		Amharic
	East	Bisrat TV	TV	DVB-S	5/6	27.500		Amharic
	East	M Arrab	TV	DVB-S	5/6	27.500		Arabic
	East	ESat	TV	DVB-S	5/6	27.500		Amharic
	East	Finote Democracy	radio	DVB-S	5/6	27.500		English
	East	Bisrat Radio 101.1 FM	radio	DVB-S	5/6	27.500		Amharic
11.637	V East	7 Spirit TV	TV	DVB-S	5/6	27.500		Amharic
	East	Alkarma TV Middle East 2	TV	DVB-S	5/6	27.500		Arabic
	East	ANB	TV	DVB-S	5/6	27.500		
	East	Almasirah Mubasher	TV	DVB-S	5/6	27.500		Arabic
	East	Gospel TV	TV	DVB-S	5/6	27.500		Amharic
	East	Jesus Wonderful TV	TV	DVB-S	5/6	27.500		Amharic
	East	NRT 3 Kids	TV	DVB-S	5/6	27.500		
	East	Arara TV	TV	DVB-S	5/6	27.500		
	East	CM TV	TV	DVB-S	5/6	27.500		Amharic
	East	Evangelical TV	TV	DVB-S	5/6	27.500		Amharic
	East	Mo'aa TV	TV	DVB-S	5/6	27.500		
	East	Sada FM TV	TV	DVB-S	5/6	27.500		Arabic
11.678	V East	Gulfsat	package	DVB-S	3/4	27.500		
	East	Scope TV	TV	DVB-S	3/4	27.500		Arabic
	East	Salahalddin TV	TV	DVB-S	3/4	27.500		Arabic
	East	KNN Channel	TV	DVB-S	3/4	27.500		Kurdish
	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	Yarmouk TV	TV	DVB-S	3/4	27.500		Arabic
	East	Red Sea TV	TV	DVB-S	3/4	27.500		Arabic
	East	Radio Erena	radio	DVB-S	3/4	27.500		Tigrinya
12.521	H MENA	Aljazeera	package	DVB-S2	2/3	27.500		
	MENA	Aljazeera Channel	TV	DVB-S2	2/3	27.500		Arabic
	East	Vision TV Channel	TV	DVB-S	7/8	27.500		Amharic
	MENA	Aljazeera Mubasher	TV	DVB-S2	2/3	27.500		Arabic
	East	Almadaria TV	TV	DVB-S	7/8	27.500		Arabic
	East	Balageru TV	TV	DVB-S	7/8	27.500		
	MENA	Aljazeera English	TV	DVB-S2	2/3	27.500		English
	East	Sidaama Media Network promo	TV	DVB-S	7/8	27.500		
	MENA	Aljazeera Documentary	TV	DVB-S2	2/3	27.500		Arabic
	East	ETV Languages	TV	DVB-S	7/8	27.500		Amharic
	MENA	Aljazeera Mubasher	TV	DVB-S2	2/3	27.500		Arabic
	East	Tigrai TV	TV	DVB-S	7/8	27.500		Tigrinya
	MENA	Al Rayyan Satellite Channel	TV	DVB-S2	2/3	27.500		Arabic
	East	South TV	TV	DVB-S	7/8	27.500		Amharic
	East	Amhara TV	TV	DVB-S	7/8	27.500		Amharic
	East	OBN	TV	DVB-S	7/8	27.500		
	East	Assenna TV	TV	DVB-S	7/8	27.500		Tigrinya
	East	Ministry of Education TV	TV	DVB-S	7/8	27.500		Amharic
	East	EBC Radio 104.7	radio	DVB-S	7/8	27.500		
	East	Oromiyaa Radio	radio	DVB-S	7/8	27.500		
	East	Debub FM	radio	DVB-S	7/8	27.500		
12.563	H MENA	Iraqi Media Network	package	DVB-S	5/6	27.500		
	East	Family Cinema	TV	DVB-S	7/8	27.500		Arabic
	MENA	Iraqia News	TV	DVB-S	5/6	27.500		Arabic
	MENA	Iraqia News	TV	DVB-S	5/6	27.500		Arabic
	MENA	Iraqia Public	TV	DVB-S	5/6	27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symbl Rate	Acces	Lang
12.604	MENA	Iraqia Sport	TV	DVB-S	5/6	27.500	Irdeto/Videoguard	Arabic
	MENA	Iraqia Türkmen	TV	DVB-S	5/6	27.500		Turkmen
	MENA	Iraqia Kurdish	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Radio Iraqia	radio	DVB-S	5/6	27.500		Arabic
	MENA	Forqan Radio	radio	DVB-S	5/6	27.500		Arabic
	MENA	Radio Baghdad	radio	DVB-S	5/6	27.500		Arabic
	East	Moga Drama	TV	DVB-S	7/8	27.500		Arabic
	East	Apple Drama	TV	DVB-S	7/8	27.500		Arabic
	East	PNC Yom	TV	DVB-S	7/8	27.500		Arabic
	East	Alfath TV	TV	DVB-S	7/8	27.500		Arabic
	East	Moga Musalsalat	TV	DVB-S	7/8	27.500		Arabic
	East	Al King 3	TV	DVB-S	7/8	27.500		Arabic
	East	Al King 4	TV	DVB-S	7/8	27.500		Arabic
	East	Moga Aflam	TV	DVB-S	7/8	27.500		Arabic
	H MENA	BeIn	package	DVB-S2	2/3	27.500		Arabic,English
	MENA	BeIn Sports HD 10	TV	DVB-S2	2/3	27.500		
	East	Fox Masr	TV	DVB-S	7/8	27.500		
	MENA	BeIn Sports News	TV	DVB-S2	2/3	27.500		Arabic
	East	Sham TV	TV	DVB-S	7/8	27.500		Arabic
	East	Al Rakeeb News	TV	DVB-S	7/8	27.500		Arabic
	MENA	BeIn Sports HD 4 Max	TV	DVB-S2	2/3	27.500		French
	East	Iraqia Slide TV	TV	DVB-S	7/8	27.500		
	East	Ishtar TV	TV	DVB-S	7/8	27.500		
	East	Aghanina One	TV	DVB-S	7/8	27.500		Syriac
	East	Manu Chat	TV	DVB-S	7/8	27.500		Arabic
	East	Alalam News Channel	TV	DVB-S	7/8	27.500		Arabic
	East	Alwilayah TV	TV	DVB-S	7/8	27.500		Farsi
	East	Sama Al Khaleej TV	TV	DVB-S	7/8	27.500		Arabic
	East	Alquran	TV	DVB-S	7/8	27.500		Arabic
	East	Net TV	TV	DVB-S	7/8	27.500		Kurdish
	East	Vozrozhdeniye	TV	DVB-S	7/8	27.500		Russian
	East	Al-Mawakeb TV	TV	DVB-S	7/8	27.500		Arabic
	East	Heritage 24	TV	DVB-S	7/8	27.500		Arabic
	East	Al Salam TV	TV	DVB-S	7/8	27.500		Arabic
	East	Vin Music	TV	DVB-S	7/8	27.500		Kurdish
	East	Al Mahrah TV	TV	DVB-S	7/8	27.500		Arabic
	East	Almasirah Mubasher	TV	DVB-S	7/8	27.500		Arabic
	East	Rûdaw	TV	DVB-S	7/8	27.500		Kurdish
	V East	Ethiopian mux	package	DVB-S	7/8	27.500		
	MENA	Palsat	package	DVB-S	5/6	27.500		
	East	ETV News	TV	DVB-S	7/8	27.500		
	MENA	Musawa	TV	DVB-S	5/6	27.500		Amharic
	East	ETV News	TV	DVB-S	7/8	27.500		Arabic
	MENA	Ma'an TV	TV	DVB-S	5/6	27.500		Amharic
	East	OBN	TV	DVB-S	7/8	27.500		
	MENA	Palestine Mobasher	TV	DVB-S	5/6	27.500		Arabic
	East	ETV Entertainment	TV	DVB-S	7/8	27.500		Amharic
	MENA	Palestinian Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	East	Tigrai TV	TV	DVB-S	7/8	27.500		Tigrinya
	MENA	Awdeh	TV	DVB-S	5/6	27.500		Arabic
	East	South TV	TV	DVB-S	7/8	27.500		Amharic
	MENA	Al-Quds Open University	TV	DVB-S	5/6	27.500		Arabic
	East	Amhara TV	TV	DVB-S	7/8	27.500		Amharic
	MENA	Najah Broadcasting Channel	TV	DVB-S	5/6	27.500		Arabic
	East	Radio Ethiopia National Radio	radio	DVB-S	7/8	27.500		Amharic
	MENA	Palestine Sport	TV	DVB-S	5/6	27.500		Arabic
	MENA	Voice of Palestine	radio	DVB-S	5/6	27.500		Arabic
	East	FM Behir Dar 96.9	radio	DVB-S	7/8	27.500		
	MENA	Najah FM	radio	DVB-S	5/6	27.500		Arabic
	East	EBC FM 97.1	radio	DVB-S	7/8	27.500		Amharic
	MENA	Quran Radio	radio	DVB-S	5/6	27.500		Arabic
	MENA	Radio Nablus	radio	DVB-S	5/6	27.500		Arabic
12.687	V East	Blue Nile Channel	TV	DVB-S2	3/4	29.980		Arabic
	East	Payam TV	TV	DVB-S2	3/4	29.980		Arabic

Freq	Beam		Analog	Diff	Fec	Symbl Rate	Acces	Lang
	East	Bangawaz TV	TV	DVB-S2	3/4	29.980		Arabic
	East	C Sat	TV	DVB-S2	3/4	29.980		Arabic
	East	Saout Alaqila	TV	DVB-S2	3/4	29.980		Arabic
	East	Al Shahed TV	TV	DVB-S2	3/4	29.980		Arabic
	East	Al-Sadiq TV Channel	TV	DVB-S2	3/4	29.980		Arabic
	East	Minhaj TV	TV	DVB-S2	3/4	29.980		Arabic
	East	Shamalia TV	TV	DVB-S2	3/4	29.980		Arabic
	East	Khartoum TV	TV	DVB-S2	3/4	29.980		Arabic
	East	Soutalarab TV	TV	DVB-S2	3/4	29.980		Arabic
	MENA	Daawah TV	TV	DVB-S	7/8	27.500		Arabic
	MENA	Salam TV	TV	DVB-S	7/8	27.500		Arabic
	East	Dongola Radio	radio	DVB-S2	3/4	29.980		Arabic
	MENA	Rojava FM	radio	DVB-S	7/8	27.500		
12.729	H MENA	unknown	package	DVB-S2	3/4	27.500		
	East	Ava TV	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Nilesat promo	TV	DVB-S2	3/4	27.500		
	East	GK Channel	TV	DVB-S	5/6	27.500		Kurdish
	East	Kirkuk TV	TV	DVB-S	5/6	27.500		Kurdish
	East	KurdMax Show	TV	DVB-S	5/6	27.500		Kurdish
	East	Dwarozh	radio	DVB-S	5/6	27.500		
	East	KurdMax	TV	DVB-S	5/6	27.500		Kurdish
	East	KurdMax Music	TV	DVB-S	5/6	27.500		Kurdish

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	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
	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
10.727	H MENA	Gulfsat	package	DVB-S	5/6	27.500		
	MENA	Alhujja Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	MB Moghraby	TV	DVB-S	5/6	27.500		Arabic
	MENA	ARD Alkarama TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alaraby TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Masr Alhaya	TV	DVB-S	5/6	27.500		Arabic
	MENA	Massaya TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Rogin TV	TV	DVB-S	5/6	27.500		
	MENA	Roqiaty TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Masa	TV	DVB-S	5/6	27.500		Arabic
	MENA	Media International	TV	DVB-S	5/6	27.500		Arabic
	MENA	TV Omh	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sama Al Yemen TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Anis TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	UA TV	TV	DVB-S	5/6	27.500		Russian
	MENA	Al Malakoot Sat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Zarok TV	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Al Awhad TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Lana 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	Soyoof 1	TV	DVB-S	5/6	27.500		Arabic
	MENA	Drama Al Badawya	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
10.777	H MENA	Nilesat	package	DVB-S	5/6	27.500		
	MENA	Al Seha Wal Jamal TV	TV	DVB-S	5/6	27.500		Arabic

Freq		Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
		MENA	LBC	TV	DVB-S	5/6		27.500		Arabic
		MENA	Cairo Drama	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
		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	Umdurman Radio	radio	DVB-S	5/6		27.500		Arabic
10.815	H	MENA	Viewsat	package	DVB-S	5/6		27.500		
		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	Sahar Kurdi	TV	DVB-S	5/6		27.500		Arabic
		MENA	Al Basira	TV	DVB-S	5/6		27.500		Arabic
		MENA	Libya Al-Ahrar TV	TV	DVB-S	5/6		27.500		Arabic
		MENA	Alasayel TV	TV	DVB-S	5/6		27.500		Arabic
		MENA	Been Soire	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	Almahaba TV	TV	DVB-S	5/6		27.500		Arabic
		MENA	CTV	TV	DVB-S	5/6		27.500		Arabic
		MENA	Mb 2	TV	DVB-S	5/6		27.500		Arabic
		MENA	Nour El Shabeb	TV	DVB-S	5/6		27.500		Arabic
		MENA	Christ Army TV	TV	DVB-S	5/6		27.500		Amharic
		MENA	Christ Jesus TV	TV	DVB-S	5/6		27.500		English
		MENA	Wasat TV	TV	DVB-S	5/6		27.500		Arabic
		MENA	Marsil TV	TV	DVB-S	5/6		27.500		Amharic
		MENA	NourSat	TV	DVB-S	5/6		27.500		Arabic
		MENA	Jesus TV	TV	DVB-S	5/6		27.500		Amharic
		MENA	MaEzer Semay Satellite TV	TV	DVB-S	5/6		27.500		Amharic
		MENA	Radio MaEzer Semay	radio	DVB-S	5/6		27.500		Amharic
10.853	H	MENA	On TV	package	DVB-S	5/6		27.500		
		MENA	On E	TV	DVB-S	5/6		27.500		Arabic
		MENA	On Live	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	Sha3beyat	TV	DVB-S	5/6		27.500		Arabic
		MENA	Al Rahma	TV	DVB-S	5/6		27.500		Arabic
		MENA	Libya Alhadath	TV	DVB-S	5/6		27.500		Arabic
		MENA	Family Drama	TV	DVB-S	5/6		27.500		Arabic
		MENA	Shanpoo Aflam	TV	DVB-S	5/6		27.500		Arabic
		MENA	TRT Kurdî	TV	DVB-S	5/6		27.500		Kurdish
		MENA	Scare TV	TV	DVB-S	5/6		27.500		Arabic
		MENA	Moga Classic	TV	DVB-S	5/6		27.500		Arabic
		MENA	Zweina Baladna	TV	DVB-S	5/6		27.500		Arabic
		MENA	Alordon Alyoom	TV	DVB-S	5/6		27.500		Arabic
		MENA	Al Sa3aa Mosalsalate	TV	DVB-S	5/6		27.500		Arabic
		MENA	Layali TV	TV	DVB-S	5/6		27.500		Arabic
		MENA	All TV	TV	DVB-S	5/6		27.500		Arabic
		MENA	Alsalam	TV	DVB-S	5/6		27.500		Arabic
		MENA	Libya's Channel	TV	DVB-S	5/6		27.500		Arabic
		MENA	Angel TV Arabia	TV	DVB-S	5/6		27.500		English
		MENA	Al Sa3a Masra7	TV	DVB-S	5/6		27.500		Arabic
		MENA	Palestine Al Yawm	TV	DVB-S	5/6		27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symbo l Rate	Acces	Lang
	MENA	Berbère TV	TV	DVB-S	5/6	27.500		French
	MENA	El Moled	TV	DVB-S	5/6	27.500		Arabic
	MENA	Amel TV	TV	DVB-S	5/6	27.500		French
	MENA	Sharo5an Hindi	TV	DVB-S	5/6	27.500		
	MENA	The Word Network	TV	DVB-S	5/6	27.500		Arabic
	MENA	Antinea 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	Melody TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Cinema Pro	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	Al Nujaba TV	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	Alsharqiya News	TV	DVB-S	5/6	27.500		Arabic
	MENA	Rûdaw	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Asia Network TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Ayam TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Rûdaw Radio	radio	DVB-S	5/6	27.500		Kurdish
	MENA	Radio Al-Nujaba	radio	DVB-S	5/6	27.500		Arabic
10.922	V MENA	Imam Reza TV	TV	DVB-S	7/8	27.500		Arabic
10.930	H MENA	Jordan Media City	package	DVB-S	5/6	27.500		
	MENA	Sport TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Mouda	TV	DVB-S	5/6	27.500		Arabic
	MENA	Noor Alkhaleej	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al-Etejah Satellite Channel	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	Libya Alhakim	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Teb Albadel	TV	DVB-S	5/6	27.500		Arabic
	MENA	A Konoz Alhayat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Nujaba TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Oyoun Al-Watan TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Arrab TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	A One	TV	DVB-S	5/6	27.500		Arabic
	MENA	Radio Al-Najba	radio	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
	MENA	Radio Fann	radio	DVB-S	5/6	27.500		Arabic
	MENA	Yaqeen FM	radio	DVB-S	5/6	27.500		Arabic
	MENA	Al Quran Al Kareem Radio	radio	DVB-S	5/6	27.500		Arabic
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
11.158	V NW Africa	SNRT	package	DVB-S2	9/10	5.000		
	NW Africa	Eutelsat SmartFM promo	TV	DVB-S2	9/10	5.000		
	NW Africa	Radio 2M	radio	DVB-S2	9/10	5.000		
	NW Africa	Radio Oujda	radio	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 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		

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
	NW Africa	Radio Marrakech	radio	DVB-S2	9/10	5.000		
	NW Africa	Radio Laayoune	radio	DVB-S2	9/10	5.000		
	NW Africa	Radio Casablanca	radio	DVB-S2	9/10	5.000		
11.219	H MENA	unknown	package	DVB-S	5/6	27.500		
	MENA	Panorama Film	TV	DVB-S	5/6	27.500		Arabic
	MENA	SRTV	TV	DVB-S	5/6	27.500		
	MENA	Shabab TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Es Radio	radio	DVB-S	5/6	27.500		
11.227	V MENA	unknown	package	DVB-S	5/6	27.500		
	MENA	ERTU 8 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	Ajman TV	TV	DVB-S2	5/6	27.500		Arabic
	MENA	El Moled	TV	DVB-S2	5/6	27.500		Arabic
	MENA	Al Shallal TV	TV	DVB-S2	5/6	27.500		Arabic
	MENA	Kurdistan TV	TV	DVB-S2	5/6	27.500		Kurdish
	MENA	Zagros TV	TV	DVB-S2	5/6	27.500		Kurdish
	MENA	Baby Kids Channel	TV	DVB-S2	5/6	27.500		Arabic
	MENA	Libya Future TV	TV	DVB-S2	5/6	27.500		Arabic
	MENA	Al-Hadath News	TV	DVB-S2	5/6	27.500		Arabic
	MENA	Karbala Satellite Channel	TV	DVB-S2	5/6	27.500		Arabic
	MENA	NRT	TV	DVB-S2	5/6	27.500		Kurdish
	MENA	TRT Arabi	TV	DVB-S2	5/6	27.500		Arabic
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	Karamesh	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	Al Jameela	TV	DVB-S	5/6	27.500		Arabic
	MENA	LoveWorld MENA	TV	DVB-S	5/6	27.500		English
	MENA	Shareeyah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Erhaby TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Elsharq El Awast	TV	DVB-S	5/6	27.500		Arabic
	MENA	MBCCode	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Nebras TV	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	Al-Dardanel 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	La TV	TV	DVB-S	5/6	27.500		
	MENA	Syrian Educational TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Magharibia	TV	DVB-S	5/6	27.500		Arabic
	MENA	Suhail TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Aden TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sat TV promo	TV	DVB-S	5/6	27.500		English
11.334	H MENA	Aldiyar	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Ur Channel	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Resalat Al Islam	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Eamar Music HD	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Almadih	TV	DVB-S2	3/4	27.500		Arabic
	MENA	7 Stars TV	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Al-Dardanel Channel	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Sudanna TV	TV	DVB-S2	3/4	27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
11.354	V MENA	22 Arab TV	TV	DVB-S2	3/4	27.500		Arabic
	V MENA	Ava Entertainment	TV	DVB-S2	5/6	27.500		Arabic
	MENA	Kurdistan TV	TV	DVB-S2	5/6	27.500		Kurdish
	MENA	Zagros TV	TV	DVB-S2	5/6	27.500		Kurdish
	MENA	Payam TV	TV	DVB-S2	5/6	27.500		Kurdish
	MENA	Bangawaz TV	TV	DVB-S2	5/6	27.500		Arabic
	MENA	Aryen TV	TV	DVB-S	5/6	27.500		Kurdish
	MENA	Alkarma Praise	TV	DVB-S2	5/6	27.500		Arabic
11.373	H MENA	Praise FM	radio	DVB-S	5/6	27.500		English
	H MENA	Nick Jr Arabia	TV	DVB-S2	2/3	27.500	Betacrypt	English,Arabic
	MENA	Trace Urban	TV	DVB-S2	2/3	27.500	Betacrypt	French
11.392	V MENA	Noorsat	package	DVB-S	5/6	27.500		
	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	Al Hayat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alikhbaria Syria	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al-Iman TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	SBN Global	TV	DVB-S	5/6	27.500		English
	MENA	Alkofiya TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Christ TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alkawthar TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Libya Panorama Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Wesal TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Libya Alrasmia Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Radio Albachaer	radio	DVB-S	5/6	27.500		Arabic
11.430	V MENA	unknown	package	DVB-S	5/6	27.500		
	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	Azhari 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	Al Nada TV	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 Drama	TV	DVB-S	5/6	27.500		Arabic
	MENA	Time Sports	TV	DVB-S	5/6	27.500		Arabic
	MENA	Time 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	SNRT	package	DVB-S	3/4	27.500		
	NW Africa	2M National	TV	DVB-S	3/4	27.500		Arabic
	NW Africa	Arryadia	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 Maghreb	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	Qatar Today TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Oscar 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

Freq	Beam		Analog	Diff	Fec	Symbl Rate	Acces	Lang
	NW Africa	Arryadia	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	7/8	27.500		Arabic
	MENA	1 Cinema	TV	DVB-S	7/8	27.500		Arabic
	MENA	Al Nassr TV 24	TV	DVB-S	7/8	27.500		French
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
	NW Africa	Wanasah	TV	DVB-S	5/6	27.500		Arabic
11.603	H MENA	Noorsat	package	DVB-S	5/6	27.500		
	MENA	Elwatan Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Libya Elwatan	TV	DVB-S	7/8	27.500		Arabic
11.641	H MENA	unknown	package	DVB-S	5/6	27.500		
	MENA	Hodhod Arabic TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Thaqalayn TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Asil TV	TV	DVB-S	5/6	27.500		
	MENA	Hadi TV 3	TV	DVB-S	5/6	27.500		Arabic
	MENA	Imam Ali Shrine TV	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	Nabaa TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Qamar TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alalam News Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al-Sahat TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Radio Alalam FM	radio	DVB-S	5/6	27.500		Arabic
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	TDA	package	DVB-S	3/4	27.500		
	MENA	ENTV	TV	DVB-S	3/4	27.500	BISS	Arabic
	MENA	Canal Algérie	TV	DVB-S	3/4	27.500		Arabic
	MENA	Algérie 4	TV	DVB-S	3/4	27.500		
	MENA	Algérie 5	TV	DVB-S	3/4	27.500		Arabic
	MENA	Chaîne 1	radio	DVB-S	3/4	27.500		Arabic
	MENA	Chaîne 2	radio	DVB-S	3/4	27.500		Berber
	MENA	Chaîne 3	radio	DVB-S	3/4	27.500		French
	MENA	Radio Décrochage	radio	DVB-S	3/4	27.500		
	MENA	Radio Bahdja	radio	DVB-S	3/4	27.500		Arabic
	MENA	Radio Décrochage 2	radio	DVB-S	3/4	27.500		

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
	MENA	Radio Algérie Internationale	radio	DVB-S	3/4		27.500		Arabic
	MENA	Radio Sahel	radio	DVB-S	3/4		27.500		Arabic
	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 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 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		
	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	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

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
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	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	Nagham 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	Iraqia News	TV	DVB-S2	3/4	27.500		Arabic
	MENA	Music Haneen	TV	DVB-S2	3/4	27.500		Arabic
12.245	V MENA	BeIn Sports Global	TV	DVB-S2	2/3	27.500		Arabic,English
12.322	V MENA	Du	package	DVB-S2	3/4	30.000		
	MENA	Dubai Sports	TV	DVB-S2	3/4	30.000		Arabic
	MENA	Dubai TV	TV	DVB-S2	3/4	30.000		Arabic
	MENA	Dubai Racing	TV	DVB-S2	3/4	30.000		Arabic
	MENA	Madani Channel Urdu	TV	DVB-S2	3/4	30.000		Urdu
	MENA	RBC TV	TV	DVB-S2	3/4	30.000		Arabic
	MENA	Sama Dubai	TV	DVB-S2	3/4	30.000		Arabic
	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	Horse Racing Network promo	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	Amhara TV	TV	DVB-S	5/6	27.500		Amharic
	MENA	Al Ahly TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Yemen Today TV	TV	DVB-S	5/6	27.500		Arabic
	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	Alghadye	TV	DVB-S	5/6	27.500		Arabic
	MENA	Lana TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Dubai International Holy Quran Award TV	TV	DVB-S	5/6	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	Al Rafidain TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Télé Tchad	TV	DVB-S	5/6	27.500		French
	MENA	Forqan Radio	radio	DVB-S	5/6	27.500		Arabic
	MENA	Radio Iraqia	radio	DVB-S	5/6	27.500		Arabic
	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	Roya TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	218 News	TV	DVB-S	5/6	27.500		Arabic
	MENA	Ahl-Alquran TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	218	TV	DVB-S	5/6	27.500		Arabic
	MENA	Karkok Alan	TV	DVB-S	5/6	27.500		
	MENA	Jordan Now TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	RealEstate TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	TT1	TV	DVB-S	5/6	27.500		
	MENA	Syria Medical	TV	DVB-S	5/6	27.500		Arabic
	MENA	Jenan TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Dzair 2	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sama Jordan	TV	DVB-S	5/6	27.500		Arabic
	MENA	VoA Africa 24	TV	DVB-S	5/6	27.500		English
	MENA	Jannah TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Sport TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Wadi TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Manaseer TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Al Ruqia Al Shreia	TV	DVB-S	5/6	27.500		Arabic
	MENA	Amen FM TV	TV	DVB-S	5/6	27.500		Arabic
	MENA	Fact International	TV	DVB-S	5/6	27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
	MENA	Al Haqiqa	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	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 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	Dubai One	TV	DVB-S	3/4	27.500		English
	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	Alanbar Satellite Channel	TV	DVB-S	5/6	27.500		Arabic
	MENA	Alhayah Mosalsalat	TV	DVB-S	5/6	27.500		Arabic
	MENA	Radio Baghdad	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	National Geographic Abu Dhabi	TV	DVB-S2	2/3	27.500		Arabic,English

EUTELSAT 5 WEST A

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
3.651	L C	unknown	package	DVB-S2	2/3	40.450		
	C	RTS 1	TV	DVB-S2	2/3	40.450		French
	C	Télé Tchad	TV	DVB-S2	2/3	40.450		French
	C	Equinoxe TV	TV	DVB-S2	2/3	40.450		French
	C	Alwilayah TV Hausa	TV	DVB-S2	2/3	40.450		Hausa
	C	Radio Tchad	radio	DVB-S2	2/3	40.450		French
	C	Sikka TV	TV	DVB-S2	2/3	40.450		French
	C	Nina sat	TV	DVB-S2	2/3	40.450		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
3.712	L C	CRTV	package	DVB-S2	5/6	4.250		
	C	CRTV	TV	DVB-S2	5/6	4.250		French
	C	CRTV News	TV	DVB-S2	5/6	4.250		French
	C	CRTV Sports and Entertainment	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	Tele Congo	TV	DVB-S	7/8	29.950		French
	C	Al Maghribia	TV	DVB-S	7/8	29.950		Arabic
	C	Cofrac	radio	DVB-S	7/8	29.950		French
	C	Radio Al Bayane	radio	DVB-S	7/8	29.950		French
	C	Radio Congo	radio	DVB-S	7/8	29.950		French
4.054	R C	Top TV	TV	DVB-S2	3/4	1.833		French
4.100	L C	Gabon lère	TV	DVB-S	7/8	1.944		French
	C	RTG Radio 1	radio	DVB-S	7/8	1.944		French
4.103	L C	Télé Africa	TV	DVB-S2	3/4	1.250		French
4.111	R C	StarTimes TV Uganda	package	DVB-S2	3/4	30.000	Conax	
	C	Discovery Family Africa	TV	DVB-S2	3/4	30.000	Conax	English
	C	ST Sports Premium Africa	TV	DVB-S2	3/4	30.000	Conax	English,French
	C	ST Bollywood	TV	DVB-S2	3/4	30.000	Conax	Hindi,Swahili,Luganda,English,French,Yoruba,Portuguese

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
	C	ST Sports Arena Africa	TV	DVB-S2	3/4		30.000	Conax	English,French
	C	ST Plus	TV	DVB-S2	3/4		30.000	Conax	
	C	Star Gold UK	TV	DVB-S2	3/4		30.000	Conax	
	C	Animaux	TV	DVB-S2	3/4		30.000	Conax	French,English
	C	MTV Base Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	Fox News Channel	TV	DVB-S2	3/4		30.000	Conax	English
	C	TVC News	TV	DVB-S2	3/4		30.000	Conax	English
	C	Fox Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST World Football Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	E! Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Sports Life Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	Nickelodeon Africa	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 Rise	TV	DVB-S2	3/4		30.000	Conax	
	C	ST Swahili	TV	DVB-S2	3/4		30.000	Conax	Swahili
	C	ST Zone	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Novela E	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Movies	TV	DVB-S2	3/4		30.000	Conax	English
	C	Fine Living	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Sports Focus Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	Fox Life Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	JimJam Europe	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Music	TV	DVB-S2	3/4		30.000	Conax	English
	C	Fox Sports 2 Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Series E1	TV	DVB-S2	3/4		30.000	Conax	English
	C	Emmanuel TV	TV	DVB-S2	3/4		30.000	Conax	English
	C	Bloomberg TV Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	Aljazeera English	TV	DVB-S2	3/4		30.000	Conax	English
	C	Smile TV	TV	DVB-S2	3/4		30.000	Conax	English
	C	Zee Cinema Africa	TV	DVB-S2	3/4		30.000	Conax	Hindi
	C	National Geographic South Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	Baby TV Europe	TV	DVB-S2	3/4		30.000	Conax	English,French,Portuguese
	C	StarTimes TV Guide Uganda	TV	DVB-S2	3/4		30.000		English
	C	Investigation Discovery Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Kungfu	TV	DVB-S2	3/4		30.000	Conax	English,French,Chinese
	C	ST Dadin Kowa	TV	DVB-S2	3/4		30.000	Conax	Hausa
4.122	L C	Gabon 24	TV	DVB-S2	3/4		1.750		French
4.153	R C	StarTimes TV Uganda	package	DVB-S2	3/4		30.000	Conax	
	C	Trace Africa Français	TV	DVB-S2	3/4		30.000	Conax	French
	C	Biggs	TV	DVB-S2	3/4		30.000	Conax	Portuguese
	C	EWTN Africa & Asia	TV	DVB-S2	3/4		30.000	Conax	English
	C	EbonyLife TV	TV	DVB-S2	3/4		30.000	Conax	English
	C	CGTN Documentary	TV	DVB-S2	3/4		30.000	Conax	English
	C	AMC Movies	TV	DVB-S2	3/4		30.000	Conax	English
	C	Clouds TV	TV	DVB-S2	3/4		30.000	Conax	English
	C	Dove TV	TV	DVB-S2	3/4		30.000	Conax	English
	C	CGTN	TV	DVB-S2	3/4		30.000	Conax	English
	C	Nat Geo Wild South Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Kids	TV	DVB-S2	3/4		30.000	Conax	English,Portuguese,Swahili
	C	ST Sino Drama	TV	DVB-S2	3/4		30.000	Conax	English,French,Portuguese
	C	Da Vinci	TV	DVB-S2	3/4		30.000	Conax	English
	C	Viasat History Africa	TV	DVB-S2	3/4		30.000	Conax	English
	C	Viasat Life	TV	DVB-S2	3/4		30.000	Conax	English
	C	CNC World English	TV	DVB-S2	3/4		30.000	Conax	English
	C	Trace Africa English	TV	DVB-S2	3/4		30.000	Conax	English
	C	Trace Mziki	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Naija	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Novela E Plus	TV	DVB-S2	3/4		30.000	Conax	English
	C	ST Novela F Plus	TV	DVB-S2	3/4		30.000	Conax	French
4.154	L C	Atlantic FM	radio	DVB-S	3/4		2.985		French
4.156	L C	BB 24	TV	DVB-S	7/8		1.793		French
	C	Radio Bénin	radio	DVB-S	7/8		1.793		French

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
4.162	C	Radio Parakou	radio	DVB-S	7/8		1.793		French
	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
4.164	C	Africa N° 1 Libreville	radio	DVB-S	3/4		1.500		French
	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	
	Super	TV 5 Monde France Belgique Suisse	TV	DVB-S2	3/4	Y	29.950	Viaccess	French
11.013	Super	France 3 Aquitaine	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Auvergne	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Alpes	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Limousin	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Rhône-Alpes	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Côte d'Azur	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Languedoc-Roussillon	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Pays de la Loire	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Bretagne	TV	DVB-S2	3/4		29.950	Viaccess	French
	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
	Super	Rai Radio Classica	radio	DVB-S2	3/5		30.000		Italian
	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 Radio Tutta Italiana	radio	DVB-S2	3/5		30.000		Italian
	Super	Rai Radio Techete'	radio	DVB-S2	3/5		30.000		Italian
	Super	Rai Radio Live	radio	DVB-S2	3/5		30.000		Italian
	Super	Rai Radio Kids	radio	DVB-S2	3/5		30.000		Italian
11.054	Super	RAI	package	DVB-S2	3/5		30.000		
	Super	Rai Radio 1 Sport	radio	DVB-S2	3/5		30.000		Italian
	Super	Rai 3 Piemonte	TV	DVB-S2	3/5		30.000		Italian
	Super	Rai Radio 2 Indie	radio	DVB-S2	3/5		30.000		Italian
	V Super	Fransat	package	DVB-S2	3/4		29.950	Viaccess	
	Super	D!ci TV	TV	DVB-S2	3/4		29.950		French
	Super	ETB 1	TV	DVB-S2	3/4		29.950	Viaccess	Basque
	Super	ETB 3	TV	DVB-S2	3/4		29.950	Viaccess	Basque
	Super	France 3 Picardie	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Nord Pas-de-Calais	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Lorraine	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Provence-Alpes	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Poitou-Charentes	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Champagne-Ardenne	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Alsace	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Midi-Pyrénées	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3 Corse Via Stella	TV	DVB-S2	3/4		29.950	Viaccess	French
11.096	V Super	Fransat	package	DVB-S2	3/4		29.950	Viaccess	
	Super	TF 1	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	M6	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	ARTE Français	TV	DVB-S2	3/4		29.950	Viaccess	French,German
	Super	Boing France	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	Boomerang France	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	Toonami France	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	NRJ 12	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 5	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	W9	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	6ter	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	TMC	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	TFX	TV	DVB-S2	3/4		29.950	Viaccess	French,English
	Super	LCP TNT	TV	DVB-S2	3/4		29.950	Viaccess	French
11.138	V Super	Fransat	package	DVB-S2	2/3		29.950	Viaccess	
	Super	SFR Sport 1	TV	DVB-S2	2/3		29.950	Viaccess	French
	Super	RMC Sport 4	TV	DVB-S2	2/3		29.950	Viaccess	French
	Super	Altice Studio	TV	DVB-S2	2/3	Y	29.950	Viaccess	French
	Super	My Cuisine	TV	DVB-S2	2/3		29.950	Viaccess	French

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
11.179	V Super	Syfy France	TV	DVB-S2	2/3	29.950	Viaccess	French,English
	Super	RMC Sport News	TV	DVB-S2	2/3	29.950	Viaccess	French
	Super	13ème Rue	TV	DVB-S2	2/3	29.950	Viaccess	French,English
	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 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	Rai 3 Sardegna	TV	DVB-S2	3/5	30.000		Italian
	Super	Rai Radio 1	TV	DVB-S2	3/5	30.000		Italian
	H Super	TowerCast	package	DVB-S2	3/4	2.400		
	Super	Skyrock	radio	DVB-S2	3/4	2.400		French
11.458	Super	NRJ France	radio	DVB-S2	3/4	2.400		French
	Super	Nostalgie	radio	DVB-S2	3/4	2.400		French
	H Super	TowerCast	package	DVB-S	1/2	.543		
	Super	Nostalgie Belgique	radio	DVB-S	1/2	.543		French
11.465	Super	NRJ Belgique	radio	DVB-S	1/2	.543		French
	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	
	Super	TF 1 Séries Films	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	L'Équipe	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	RMC Story	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	RMC Découverte	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	Chérie 25	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	Canal J	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	Tiji	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	BeIn Sports Max 4	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	BeIn Sports Max 5	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	C News	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	BFM TV	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	C8	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	C Star	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	Gulli	TV	DVB-S2	3/4	29.950	Viaccess	French
11.480	H Super	TDF	package	DVB-S2	3/4	3.215		
	Super	Radio Soleil	radio	DVB-S2	3/4	3.215		French
	Super	RTL	radio	DVB-S2	3/4	3.215		French
	Super	RTL 2	radio	DVB-S2	3/4	3.215		French
	Super	Fun Radio	radio	DVB-S2	3/4	3.215		French
	Super	Radio Classique	radio	DVB-S2	3/4	3.215		French
	Super	Europe 1	radio	DVB-S2	3/4	3.215		French
	Super	Virgin Radio France	radio	DVB-S2	3/4	3.215		French
	Super	RFM	radio	DVB-S2	3/4	3.215		French
	Super	RMC	radio	DVB-S2	3/4	3.215		French
	Super	BFM Business Radio	radio	DVB-S2	3/4	3.215		French
	Super	France Inter	radio	DVB-S2	3/4	3.215		French
	Super	France Culture	radio	DVB-S2	3/4	3.215		French
	Super	France Musique	radio	DVB-S2	3/4	3.215		French
	Super	FIP	radio	DVB-S2	3/4	3.215		French
11.509	Super	Mouv'	radio	DVB-S2	3/4	3.215		French
	Super	MFM Radio	radio	DVB-S2	3/4	3.215		French
	H Super	Sud Radio	radio	DVB-S2	3/4	3.215		French
11.509	H Super	unknown	package	DVB-S2	8/9	29.500		
	Super	France 2	TV	DVB-S2	8/9	29.500		French

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
	Super	France 3	TV	DVB-S2	8/9		29.500		French
	Super	France 4	TV	DVB-S2	8/9		29.500		French
	Super	France Ô	TV	DVB-S2	8/9		29.500		French
	Super	unknown	package	DVB-S2	8/9		29.500		
	Super	M6	TV	DVB-S2	8/9		29.500		French
	Super	W9	TV	DVB-S2	8/9		29.500		French
	Super	ARTE Français	TV	DVB-S2	8/9		29.500		French,German
	Super	France 5	TV	DVB-S2	8/9		29.500		French
	Super	6ter	TV	DVB-S2	8/9		29.500		French
	Super	unknown	package	DVB-S2	8/9		29.500		
	Super	TF 1	TV	DVB-S2	8/9		29.500		French
	Super	NRJ 12	TV	DVB-S2	8/9		29.500		French
	Super	TFX	TV	DVB-S2	8/9		29.500		French
	Super	TMC	TV	DVB-S2	8/9		29.500		French
	Super	LCP TNT	TV	DVB-S2	8/9		29.500		French
11.512	V Super	Bis TV	package	DVB-S2	3/4		29.950	Viaccess	
	Super	RTL 9	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	Mangas	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	AB 1	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	AB Moteurs	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	Golf Channel France	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	Game One	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	Trek	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	Animaux	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	Science & Vie TV	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	Toute l'Histoire	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	Chasse & Pêche	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	Action	TV	DVB-S2	3/4		29.950	Viaccess	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	French
	Super	Crime District	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	XXL	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	Dorcel TV	TV	DVB-S2	3/4		29.950	Viaccess	French,German,English
	Super	Téva	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	Equidia	TV	DVB-S2	3/4		29.950	Viaccess	French
11.554	V Super	Fransat	package	DVB-S2	3/4		29.950	Viaccess	
	Super	France 2	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 3	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France 4	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	France Ô	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	Canal + France clair Fransat	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	LCI	TV	DVB-S2	3/4		29.950	Viaccess	French
	Super	OCS City	TV	DVB-S2	3/4		29.950	Viaccess	French,English
	Super	OCS choc	TV	DVB-S2	3/4		29.950	Viaccess	French,English
	Super	OCS geants	TV	DVB-S2	3/4		29.950	Viaccess	French,English
	Super	OCS max	TV	DVB-S2	3/4		29.950	Viaccess	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	
	Super	BFM Paris	TV	DVB-S2	2/3		29.950	Viaccess	French
	Super	BFM Business	TV	DVB-S2	2/3		29.950	Viaccess	French
	Super	Discovery Channel France	TV	DVB-S2	2/3	Y	29.950	Viaccess	French
	Super	I24 News Français	TV	DVB-S2	2/3		29.950	Viaccess	French
	Super	Investigation Discovery France	TV	DVB-S2	2/3		29.950	Viaccess	French,English
	Super	My Cuisine	TV	DVB-S2	2/3		29.950	Viaccess	French
	Super	Discovery Science France	TV	DVB-S2	2/3	Y	29.950	Viaccess	French,English
	Super	SFR promo	TV	DVB-S2	2/3		29.950		French
	Super	RT France	TV	DVB-S2	2/3		29.950		French
11.637	V Super	RAI	package	DVB-S2	3/5		30.000		
	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		

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
11.675	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 3 Liguria	TV	DVB-S2	3/5	30.000		Italian
	H Super	RAI	package	DVB-S2	2/3	30.000		
	Super	Rai 3 Piemonte	TV	DVB-S2	2/3	30.000		Italian
	Super	Rai Radio 1	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 Radio 1	TV	DVB-S2	2/3	30.000		Italian
	Super	Rai Radio 1	radio	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 Radio 1	TV	DVB-S2	2/3	30.000		Italian
	Super	RAI	package	DVB-S2	2/3	30.000		
	Super	Rai Radio 1	radio	DVB-S2	2/3	30.000		Italian
	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 Radio 1	TV	DVB-S2	2/3	30.000		Italian
	Super	Rai Radio 1	radio	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 Radio 1	TV	DVB-S2	2/3	30.000		Italian
	Super	RAI	package	DVB-S2	2/3	30.000		
	Super	Rai Radio 1	radio	DVB-S2	2/3	30.000		Italian
	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 Radio 1	TV	DVB-S2	2/3	30.000		Italian
	Super	Rai Radio 1	radio	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
	Super	Rai Radio 1	TV	DVB-S2	2/3	30.000		Italian
	Super	Rai Radio 1	radio	DVB-S2	2/3	30.000		Italian
	Super	Rai Radio 1	TV	DVB-S2	2/3	30.000		Italian
	Super	Rai Radio 1	radio	DVB-S2	2/3	30.000		Italian
	Super	Rai Radio 1	TV	DVB-S2	2/3	30.000		Italian
	Super	Rai Radio 1	radio	DVB-S2	2/3	30.000		Italian
11.679	V Super	Fransat	package	DVB-S2	3/4	29.950	Viaccess	
	Super	France 3	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	BeIn Sports Max 6	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	BeIn Sports Max 7	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	BeIn Sports Max 8	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	BeIn Sports Max 9	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	BeIn Sports Max 10	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	France 3 Franche-Comté	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	France 3 Basse-Normandie	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	France 3 Bourgogne	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	France 3 Centre-Val de Loire	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	France 3 Paris Ile-de-France	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	France 3 Haute-Normandie	TV	DVB-S2	3/4	29.950	Viaccess	French
	Super	France 3 Nouvelle-Aquitaine	TV	DVB-S2	3/4	29.950	Viaccess	French
12.543	H Super	Persidera	package	DVB-S2	8/9	34.200		
	Super	Giallo	TV	DVB-S2	8/9	34.200		Italian
	Super	RTL 102.5 RadioVisione	TV	DVB-S2	8/9	34.200		Italian
	Super	HSE 24 Italia	TV	DVB-S2	8/9	34.200		Italian
	Super	Real Time Italia	TV	DVB-S2	8/9	34.200		Italian

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
	Super	DMAX Italia	TV	DVB-S2	8/9		34.200		Italian
	Super	Super!	TV	DVB-S2	8/9		34.200		Italian
	Super	Radio Freccia TV	TV	DVB-S2	8/9		34.200		Italian
	Super	Radio Zeta Radiovisione	TV	DVB-S2	8/9		34.200		Italian
	Super	Radio DeeJay	radio	DVB-S2	8/9		34.200		Italian
	Super	Radio Capital	radio	DVB-S2	8/9		34.200		Italian
	Super	M2o	radio	DVB-S2	8/9		34.200		Italian
	Super	RTL 102.5 FM	radio	DVB-S2	8/9		34.200		Italian
	Super	Radio Zeta FM	radio	DVB-S2	8/9		34.200		Italian
	Super	Radio Freccia	radio	DVB-S2	8/9		34.200		Italian
	Super	Persidera	package	DVB-S2	8/9		34.200		
	Super	Alpha	TV	DVB-S2	8/9		34.200		Italian
	Super	Canale 65	TV	DVB-S2	8/9		34.200		Italian
	Super	IBox	TV	DVB-S2	8/9		34.200		Italian
	Super	Alice	TV	DVB-S2	8/9		34.200		Italian
	Super	Case Design Stili	TV	DVB-S2	8/9		34.200		Italian
	Super	Marcopolo	TV	DVB-S2	8/9		34.200		Italian
	Super	TV 2000	TV	DVB-S2	8/9		34.200		Italian
	Super	Sfera TV	TV	DVB-S2	8/9		34.200		Italian
	Super	Radio Vaticana 5	radio	DVB-S2	8/9		34.200		Italian
	Super	Persidera	package	DVB-S2	8/9		34.200		
	Super	Pop Italia	TV	DVB-S2	8/9		34.200		Italian
	Super	Super Tennis	TV	DVB-S2	8/9		34.200		Italian
	Super	Spike Italia	TV	DVB-S2	8/9		34.200		Italian,English
	Super	Radio Italia TV	TV	DVB-S2	8/9		34.200		Italian
	Super	VH1 Italia	TV	DVB-S2	8/9		34.200		Italian,English
	Super	Frisbee	TV	DVB-S2	8/9		34.200		Italian
	Super	TV 8	TV	DVB-S2	8/9		34.200		Italian,English
	Super	K2	TV	DVB-S2	8/9		34.200		Italian
	Super	Radio Italia	radio	DVB-S2	8/9		34.200		Italian
	Super	Persidera	package	DVB-S2	8/9		34.200		
	Super	Cielo	TV	DVB-S2	8/9		34.200		Italian
	Super	Sky TG 24 Canale 50	TV	DVB-S2	8/9		34.200		Italian
	Super	Motor Trend	TV	DVB-S2	8/9		34.200		Italian
	Super	Cine Sony Italia	TV	DVB-S2	8/9		34.200		Italian
	Super	DeeJay TV	TV	DVB-S2	8/9		34.200		Italian
	Super	Zelig	TV	DVB-S2	8/9		34.200		Italian
12.564	V Super	Radio Maria Italia	radio	DVB-S2	8/9		34.200		Italian
	V Super	Fransat	package	DVB-S2	2/3		29.950		
	Super	BeIn Sports 1	TV	DVB-S2	2/3		29.950	Viaccess	French
	Super	BeIn Sports 2	TV	DVB-S2	2/3		29.950	Viaccess	French
	Super	KTO	TV	DVB-S2	2/3		29.950		French
	Super	BeIn Sports 3	TV	DVB-S2	2/3		29.950	Viaccess	French
	Super	Mont Blanc Live TV	TV	DVB-S2	2/3		29.950		French
	Super	Melody	TV	DVB-S2	2/3		29.950	Viaccess	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

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
	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
	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	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	Radio Nova	radio	DVB-S2	2/3		29.950		French
12.585	H Super	Mediaset	package	DVB-S2	2/3		35.000	Nagravision	
	Super	Sky Uno	TV	DVB-S2	2/3		35.000	Nagravision	Italian
	Super	Sky Atlantic HD	TV	DVB-S2	2/3		35.000	Nagravision	Italian
	Super	Fox Italia	TV	DVB-S2	2/3		35.000	Nagravision	Italian
	Super	National Geographic Italia	TV	DVB-S2	2/3		35.000	Nagravision	Italian
	Super	Mediaset	package	DVB-S2	2/3		35.000	Nagravision	
	Super	Premium Sport	TV	DVB-S2	2/3		35.000	Nagravision	Italian,German
12.606	V Super	Italia 1	TV	DVB-S2	2/3		35.000		Italian
	Super	RMC FM	radio	DVB-S2	2/3		35.500		Italian
12.627	H Super	Rete 4	TV	DVB-S2	2/3		35.000		Italian
	Super	Canale 5	TV	DVB-S2	2/3		35.000		Italian
	Super	20 Mediaset	TV	DVB-S2	2/3		35.000		Italian
	Super	Premium Cinema Emotion	TV	DVB-S2	2/3		35.000	Nagravision	Italian
	Super	Premium Cinema Comedy	TV	DVB-S2	2/3		35.000	Nagravision	Italian
	Super	Zelig	TV	DVB-S2	2/3		35.000		Italian
	Super	Sportitalia	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	TF 1 Séries Films	TV	DVB-S2	8/9		29.500		French
	Super	L'Équipe	TV	DVB-S2	8/9		29.500		French
	Super	Chérie 25	TV	DVB-S2	8/9		29.500		French
	Super	RMC Découverte	TV	DVB-S2	8/9		29.500		French

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
12.669	H	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	LCI	TV	DVB-S2	8/9	29.500	French
		Super	Canal + France	TV	DVB-S2	8/9	29.500	French
		Super	Mediaset	package	DVB-S2	2/3	35.000	
		Super	Rete 4	TV	DVB-S2	2/3	35.000	Italian
		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	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	Focus	TV	DVB-S2	2/3	35.000	Italian
		Super	Mediaset Extra	TV	DVB-S2	2/3	35.000	Italian
	V	Super	Fransat	package	DVB-S2	3/4	29.950	
		Super	Label TV	TV	DVB-S2	3/4	29.950	French
		Super	France Bleu 107.1	radio	DVB-S2	3/4	29.950	French
		Super	RCF Anjou	radio	DVB-S2	3/4	29.950	French
		Super	France Bleu Alsace	radio	DVB-S2	3/4	29.950	French
		Super	RCJ Jerico Moselle	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
		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

Freq		Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
		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	France Bleu Touraine	radio	DVB-S2	3/4		29.950		French
		Super	France Bleu Vaucluse	radio	DVB-S2	3/4		29.950		French
		Super	FIP	radio	DVB-S2	3/4		29.950		French
		Super	France Bleu	radio	DVB-S2	3/4		29.950		French
		Super	Radio Espérance	radio	DVB-S2	3/4		29.950		French
		Super	RCF Pays de l'Ain	radio	DVB-S2	3/4		29.950		French
		Super	RCF Ardèche	radio	DVB-S2	3/4		29.950		French
		Super	RCF Alpha	radio	DVB-S2	3/4		29.950		French
		Super	RCF Pays d'Aude	radio	DVB-S2	3/4		29.950		French
		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 Isère	radio	DVB-S2	3/4		29.950		French
		Super	RCF Vaucluse	radio	DVB-S2	3/4		29.950		French
		Super	RCF Méditerranée est-Var	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
		Super	RCF C ₄ ur de Champagne	radio	DVB-S2	3/4		29.950		French
12.700	H	Wide	Donna TV	TV	DVB-S2	3/4		11.167		Italian
		Wide	Fight Network Sport	TV	DVB-S2	3/4		11.167		Italian
		Wide	Quadrifoglio TV 232	TV	DVB-S2	3/4		11.167		Italian
12.728	H	Wide	Numidia TV	TV	DVB-S	3/4		2.222		Arabic
12.732	V	Super	Fransat	package	DVB-S2	2/3		29.950	Viaccess	
		Super	TF 1	TV	DVB-S2	2/3		29.950	Viaccess	French
		Super	TF 1 4K	TV	DVB-S2	2/3		29.950	Viaccess	French

EUTELSAT 3B

3.660	R	Global	Libya Al Wataniya	TV	DVB-S	5/6		2.900		Arabic
3.666	R	Global	unknown	package	DVB-S2	2/3		2.268		
		Global	CCTV 4 Europe	TV	DVB-S2	2/3		2.268		Chinese
		Global	Eleven Sports 1 Taiwan	TV	DVB-S2	2/3		2.268		Chinese
3.698	R	Global	IMPD TV Worldwide	TV	DVB-S2	3/5		2.140		Portuguese
3.717	L	Global	RTB TV	TV	DVB-S2	5/6		1.917		French
3.729	L	Global	Burkina Faso mux	package	DVB-S2	3/5		16.833		
		Global	RTB TV	TV	DVB-S2	3/5		16.833		French
		Global	TVZ Africa	TV	DVB-S2	3/5		16.833		French
		Global	Canal 3	TV	DVB-S2	3/5		16.833		French
		Global	BF1	TV	DVB-S2	3/5		16.833		French
		Global	Burkina Info TV	TV	DVB-S2	3/5		16.833		French
		Global	CVK	TV	DVB-S2	3/5		16.833		
		Global	ImpacTV	TV	DVB-S2	3/5		16.833		French
		Global	TV Maria	TV	DVB-S2	3/5		16.833		French
		Global	TV Al Houda	TV	DVB-S2	3/5		16.833		
		Global	El-Bethel TV	TV	DVB-S2	3/5		16.833		French

Freq	Beam		Analog	Diff	Fec	Symbol Rate	Acces	Lang
	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		
	Global	Tele du Parlement	TV	DVB-S2	3/5	16.833		French
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	1.812		English
	Global	Q FM	radio	DVB-S2	5/6	1.812		English
4.011	L Global	DW TV	TV	DVB-S2	3/4	3.450		
4.018	L Global	ETV News	TV	DVB-S2	3/5	2.874		Amharic
4.024	L Global	Hi-Impact TV	TV	DVB-S2	3/4	2.757		English
4.029	L Global	Amen TV Sat	TV	DVB-S2	3/4	1.841		French
4.031	L Global	Power TV	TV	DVB-S	7/8	1.100		
4.033	L Global	Info TV	TV	DVB-S2	5/6	1.124		French
4.034	L Global	Vox TV	TV	DVB-S2	2/3	1.082		French
4.036	L Global	CMR 7 TV	TV	DVB-S2	2/3	1.124		French
	Global	Radio Imaan	TV	DVB-S2	3/4	1.148		English
4.081	L Global	unknown	package	DVB-S2	2/3	44.490		
	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	Telepacifico	TV	DVB-S2	2/3	44.490		Spanish
	Global	Canal Antiestrés	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
	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		

Freq	Beam		Analog	Diff	Fec		Symbol Rate	Access	Lang
	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
11.460	H Europe	Alikhbaria Syria	TV	DVB-S2	3/4		2.640		Arabic
11.476	H Europe	Sama TV	TV	DVB-S2	3/4		1.830		Arabic
11.481	H Steerable	unknown	package	DVB-S	?		45.000		
	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'Afric	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
11.604	H Europe	IRIB	package	DVB-S2	3/4		9.720		
	Europe	Alalam News Channel Syria	TV	DVB-S2	3/4		9.720		Arabic
	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 2	TV	DVB-S2	3/4		9.720		
	Europe	Alalam News Channel	TV	DVB-S2	3/4		9.720		Arabic
	Europe	IFilm Arabic	TV	DVB-S2	3/4		9.720		Farsi,Arabic
	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		Arabic
	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		
11.645	H Europe	Alahad TV	TV	DVB-S2	5/6		2.220		Arabic
11.650	H Europe	AIC promo	TV	DVB-S2	5/6		2.500		
11.660	H Europe	Aldiyar	TV	DVB-S2	5/6		2.222		Arabic
11.678	H Europe	Lana TV	TV	DVB-S2	3/4		2.960		Arabic
12.505	V Europe	Nabaa TV	TV	DVB-S2	5/6		1.100		Arabic
12.509	V Europe	Imam Ali Shrine TV	TV	DVB-S2	5/6		2.200		Arabic
12.510	H Europe	Libya Al-Ahrar TV	TV	DVB-S2	3/4		2.688		Arabic
12.521	H Europe	Speda Channel	TV	DVB-S2	3/4		2.220		Kurdish
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	BISS	Arabic
	Europe	Radio 2M	radio	DVB-S2	3/4		4.444		
12.558	H Europe	Elhiwar Ettounsi TV	TV	DVB-S2	5/6		2.114		Arabic
12.571	V Europe	Libya Sport FM	radio	DVB-S2	5/6		1.667		Arabic
12.574	V Europe	Aljamaiya 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	Open Beyond TV	TV	DVB-S2	3/5		13.960	BISS	Greek
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	Star Channel	TV	DVB-S2	3/5	Y	13.960	BISS	Greek

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
12.737	H Europe	Zadruga 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 Australasia	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		
10.804	V Europe B	Digiturk	package	DVB-S2	5/6		30.000		
	Europe B	Digiturk	package	DVB-S2	5/6		30.000	Irdeto	
	Europe B	MTV Live HD	TV	DVB-S2	5/6		30.000	Irdeto	English
	Europe B	TRT Avaz	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	TRT 2	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	TRT Okul	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	The History Channel Turkey	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Eurosport 1	TV	DVB-S2	5/6		30.000	Irdeto	Turkish,English
	Europe B	TRT Arabi	TV	DVB-S2	5/6		30.000		Arabic,Turkish
	Europe B	Nickelodeon HD	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	TRT Belgesel	TV	DVB-S2	5/6	Y	30.000		Turkish
	Europe B	BeIn Sports Haber	TV	DVB-S2	5/6		30.000	Irdeto	Turkish,English
	Europe B	TRT Türk	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	TRT Kurdî	TV	DVB-S2	5/6		30.000		Kurdish
	Europe B	Kanal 7	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	TRT Spor	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	BeIn Series Sci-Fi	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	TBMM TV	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	Eurosport 2	TV	DVB-S2	5/6		30.000	Irdeto	Turkish,English
	Europe B	TRT Haber	TV	DVB-S2	5/6	Y	30.000		Turkish
	Europe B	Diyanet TV	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	TRT Müzik	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	TRT Spor	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	TRT Haber	TV	DVB-S2	5/6	Y	30.000		Turkish
	Europe B	TRT Belgesel	TV	DVB-S2	5/6	Y	30.000		Turkish
	Europe B	TRT Spor	TV	DVB-S2	5/6		30.000		Turkish
10.845	H Europe B	Digiturk	package	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Digiturk	package	DVB-S2	5/6		30.000	Irdeto	
	Europe B	BJK TV	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BeIn Movies Family	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Nat Geo Wild Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Ülke TV	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	TV 8.5	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	A Spor	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	A2	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Discovery Channel Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish,English
	Europe B	TJK TV	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	A News	TV	DVB-S2	5/6		30.000	Irdeto	English
	Europe B	Beyaz TV	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	DMAX Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	S Sport	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Aljazeera English	TV	DVB-S2	5/6		30.000	Irdeto	English
	Europe B	BeIn Iz	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	DMAX Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	France 24 English	TV	DVB-S2	5/6		30.000	Irdeto	English
10.887	H Europe B	Digiturk	package	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Digiturk	package	DVB-S2	5/6		30.000	Irdeto	
	Europe B	BeIn Sports 1 Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BeIn Gurme	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BeIn Series Drama	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BeIn Movies Turk	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Fox Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BeIn Movies Premiere	TV	DVB-S2	5/6		30.000	Irdeto	Turkish

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
10.928	Europe B	Kanal D	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	TV 8	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BeIn Movies Stars	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	TRT World	TV	DVB-S2	5/6		30.000		English
	Europe B	BeIn Sports 3 Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Star TV	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	ATV Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BeIn Series Vice	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	H Europe B	Digiturk	package	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Digiturk	package	DVB-S2	5/6		30.000	Irdeto	
	Europe B	BeIn Movies Premiere 2	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Discovery Science Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BeIn Movies Festival	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Nat Geo People	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	FB TV	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Teve 2	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BeIn Series Comedy	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BeIn Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Bloomberg HT	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	24 TV	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Home & Entertainment	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BeIn Sports Max 2 Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Sunna TV	TV	DVB-S2	5/6		30.000	Irdeto	Arabic
	Europe B	BeIn Movies Comedy	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Diyanet TV	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	Quran TV	TV	DVB-S2	5/6		30.000	Irdeto	Arabic
	Europe B	CGTN	TV	DVB-S2	5/6		30.000		English
	Europe B	BeIn Movies Action	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Ekotürk	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	MTV Hits	TV	DVB-S2	5/6		30.000	Irdeto	English
11.192	H Africa	MBC	package	DVB-S	3/4		3.210	Cryptoworks/Irdeto	
	Africa	MBC 1	TV	DVB-S	3/4		3.210	Cryptoworks/Irdeto	French
	Africa	MBC 2	TV	DVB-S	3/4		3.210	Cryptoworks/Irdeto	French
	Africa	Kool FM	radio	DVB-S	3/4		3.210	Cryptoworks/Irdeto	
11.221	H Europe A	Eutelsat	package	DVB-S	3/4		27.500		
	Europe A	Pars TV	TV	DVB-S	3/4		27.500		Farsi
	Europe A	Andisheh TV	TV	DVB-S	3/4		27.500		Farsi
	Europe A	Channel Yek	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	TPA Internacional	TV	DVB-S	3/4		27.500		Portuguese
	Europe A	Iranefarda 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		
	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	La Radio Plus	radio	DVB-S	3/4		27.500		French
11.471	H Europe B	Digiturk	package	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Diyanet TV	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	Boomerang Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	KRT	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Beyaz TV	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Nickelodeon HD	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Bloomberg HT	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Haber Global	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	TGRT Haber	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Love Songs	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	In Love	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	90s Hits	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	80s Hits	radio	DVB-S2	5/6		30.000	Irdeto	

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Access	Lang
	Europe B	Party	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Concerts	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	America's Classics	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Classical Music	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Rock	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Energetic	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Classic Rock	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Nu Jazz	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Jazz	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Blues	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Reggae	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Latin	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Oldies but Goldies	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Morning Coffee	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Chill Out	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Hip Hop R&B	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Easy Listening	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Relaxation	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	International	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Dreamy	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Melancholic	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Smooth Jazz	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Happy	radio	DVB-S2	5/6		30.000	Irdeto	
	Europe B	TRT Radyo 3	radio	DVB-S2	5/6		30.000		Turkish
	Europe B	Show Radyo	radio	DVB-S2	5/6		30.000		Turkish
	Europe B	Radyo Viva	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	
	Europe B	Virgin Radio Türkiye	radio	DVB-S2	5/6		30.000	Irdeto	
11.492	V Europe B	EuroStar	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	TGRT Haber	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	TV Net	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BeIn Box Office 2	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BeIn Box Office 3	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	CNN Türk	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	NTV Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	360	TV	DVB-S2	5/6		30.000		Turkish
11.513	H Europe B	Digiturk 4K	TV	DVB-S2	5/6		29.900	Irdeto	Turkish
	Europe B	BeIn Movies Action 2	TV	DVB-S2	5/6		29.900	Irdeto	Turkish
	Europe B	BBC HD Polska & Türkiye	TV	DVB-S2	5/6		29.900	Irdeto	English
11.534	V Europe B	Digiturk	package	DVB-S2	5/6		30.000	Irdeto	
	Europe B	Baby TV Europe	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Disney Junior Türkiye & Polska	TV	DVB-S2	5/6		30.000	Irdeto	Turkish,English
	Europe B	TRT 1	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	Star TV	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Idman Azerbaijan	TV	DVB-S2	5/6		30.000	Irdeto	Azerbaijan
	Europe B	Tele 1	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Nick Jr Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BabyFirst TV	TV	DVB-S2	5/6		30.000	Irdeto	Turkish,English
	Europe B	Cartoon Network Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	BeIn Sports Max 1 Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	Ekotürk	TV	DVB-S2	5/6		30.000		Turkish
11.554	H Europe B	Digiturk	package	DVB-S2	5/6		30.000	Irdeto	
	Europe B	CNN Türk	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	NTV Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	ATV Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	A Haber	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	TV 8	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	360	TV	DVB-S2	5/6		30.000		Turkish
	Europe B	Kanal 7	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	A2	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	Europe B	TLC Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish

Freq	Beam		Analog	Diff	Fec		Symbl Rate	Acces	Lang
11.575	V Europe B	Disney Channel Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	V Europe B	Sony Channel Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	V Europe B	Digiturk	package	DVB-S	3/4		30.000	Irdeto	
	V Europe B	Show TV	TV	DVB-S	3/4	Y	30.000	Irdeto	Turkish
	V Europe B	Kanal D	TV	DVB-S	3/4	Y	30.000	Irdeto	Turkish
	V Europe B	Fox Türkiye	TV	DVB-S	3/4		30.000	Irdeto	Turkish
	V Europe B	Disney XD Türkiye	TV	DVB-S	3/4		30.000	Irdeto	Turkish,English
	V Europe B	Habertürk	TV	DVB-S	3/4		30.000	Irdeto	Turkish
	V Europe B	Halk TV	TV	DVB-S	3/4		30.000		Turkish
	V Europe B	24 TV	TV	DVB-S	3/4		30.000	Irdeto	Turkish
	V Europe B	Bloomberg TV Europe	TV	DVB-S	3/4		30.000	Irdeto	English
	V Europe B	Ülke TV	TV	DVB-S	3/4		30.000	Irdeto	Turkish
	V Europe B	TV 8.5	TV	DVB-S	3/4		30.000	Irdeto	Turkish
	V Europe B	FB TV	TV	DVB-S	3/4		30.000	Irdeto	Turkish
	V Europe B	Teve 2	TV	DVB-S	3/4		30.000	Irdeto	Turkish
11.596	H Europe B	Tele 1	TV	DVB-S	3/4		30.000	Irdeto	Turkish
	H Europe B	Digiturk	package	DVB-S2	5/6		30.000	Irdeto	
	H Europe B	Rai 1	TV	DVB-S2	5/6		30.000	Irdeto	Italian
	H Europe B	RTR Planeta	TV	DVB-S2	5/6		30.000	Irdeto	Russian
	H Europe B	EuroNews English	TV	DVB-S2	5/6		30.000	Irdeto	English
	H Europe B	EuroNews Türkçe	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	H Europe B	TV 5 Monde Europe	TV	DVB-S2	5/6		30.000	Irdeto	French
	H Europe B	VH1 Europe	TV	DVB-S2	5/6		30.000	Irdeto	English
	H Europe B	Extreme Sports Channel	TV	DVB-S2	5/6		30.000	Irdeto	English
	H Europe B	BBC Entertainment Europe	TV	DVB-S2	5/6		30.000	Irdeto	English
	H Europe B	Minika Go	TV	DVB-S2	5/6		30.000	Irdeto	Turkish,English
	H Europe B	Euro D	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	H Europe B	A Para	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	H Europe B	Nickelodeon Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish,English
	H Europe B	TV 100	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
11.617	V Europe B	Digiturk	package	DVB-S2	5/6		30.000	Irdeto	
	V Europe B	CBeebies Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish,English
	V Europe B	BBC Earth Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish,English
	V Europe B	TV Net	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	V Europe B	MCM Top	TV	DVB-S2	5/6		30.000	Irdeto	French
	V Europe B	Fashion TV HD Europe	TV	DVB-S2	5/6		30.000	Irdeto	
	V Europe B	Habertürk	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	V Europe B	TJK TV	TV	DVB-S2	5/6		30.000		Turkish
	V Europe B	National Geographic Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish,English
	V Europe B	A Para	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	V Europe B	TV 100	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
11.637	H Europe B	Digiturk	package	DVB-S2	5/6		30.000	Irdeto	
	H Europe B	BeIn Sports 4 Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	H Europe B	Show TV	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	H Europe B	TRT 1	TV	DVB-S2	5/6		30.000		Turkish
	H Europe B	A Spor	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	H Europe B	BeIn Sports 2 Türkiye	TV	DVB-S2	5/6		30.000	Irdeto	Turkish
	H Europe B	TRT Spor	TV	DVB-S2	5/6		30.000		Turkish
21.565	H Europe C	2S TV	TV	DVB-S2	2/3		1.100		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
	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	Kwesi Info	TV	DVB-S2	2/3		30.000		English
	Europe B	Simay-Azadi Iran National TV	TV	DVB-S	3/4		22.000		Farsi
	Europe B	Angel TV	TV	DVB-S	3/4		22.000		Arabic
	Africa	Rwanda TV	TV	DVB-S2	2/3		29.985		English
	Africa	France 24 English	TV	DVB-S2	2/3		29.985		English
	Europe B	Manoto	TV	DVB-S	3/4		22.000		Farsi
	Africa	ITV Networks	TV	DVB-S2	2/3		29.985		English

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
	Africa	Flow TV Africa	TV	DVB-S2	2/3		29.985		English
	Europe B	Rangarang TV Network	TV	DVB-S	3/4		22.000		Farsi
	Africa	EWTN Africa & Asia	TV	DVB-S2	2/3		29.985		English,French
	Africa	DW English	TV	DVB-S2	2/3		29.985		English
	Africa	NTA International	TV	DVB-S2	2/3		29.985		English
	Africa	KBC Channel 1	TV	DVB-S2	2/3		29.985		English
	Africa	God TV Africa	TV	DVB-S2	2/3		29.985		English
	Africa	Ezekiel TV	TV	DVB-S2	2/3		29.985		English
	Africa	Daystar TV	TV	DVB-S2	2/3		29.985		English
	Africa	NTV Uganda	TV	DVB-S2	2/3		29.985		English
	Africa	TBN Mzansi	TV	DVB-S2	2/3		29.985		English
	Africa	Bukedde TV 1	TV	DVB-S2	2/3		29.985		English
	Africa	Galaxy TV Lagos	TV	DVB-S2	2/3		29.985		English
	Africa	UBC TV	TV	DVB-S2	2/3		29.985		English
	Africa	UTV	TV	DVB-S2	2/3		29.985		English
	Africa	ZNBC TV 1	TV	DVB-S2	2/3		29.985		English
	Africa	ETV	TV	DVB-S2	2/3		29.985		Amharic
	Africa	NHK World Japan	TV	DVB-S2	2/3		29.985		English
10.887	H Africa	Eutelsat	package	DVB-S2	4/5		30.000		
	Africa	France 24 English	TV	DVB-S2	4/5		30.000		English
	Africa	DW English	TV	DVB-S2	4/5		30.000		English
	Africa	Q TV	TV	DVB-S2	4/5		30.000		English
	Africa	Prophetic TV	TV	DVB-S2	4/5		30.000		English
	Africa	Shiloh TV	TV	DVB-S2	4/5		30.000		English
	Africa	1 Touch TV	TV	DVB-S2	4/5		30.000		English
	Africa	Calvary Family TV	TV	DVB-S2	4/5		30.000		English
	Africa	Top TV	TV	DVB-S2	4/5		30.000		English
	Africa	Diamond TV	TV	DVB-S2	4/5		30.000		English
	Africa	Nonkas TV	TV	DVB-S2	4/5		30.000		English
	Africa	Revelation TV	TV	DVB-S2	4/5		30.000		English
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 Africa	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	ZNBC TV 1	TV	DVB-S2	3/4		30.000	Conax	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	Fox Life Africa	TV	DVB-S2	3/4		30.000	Conax	English
	Africa	Aljazeera English	TV	DVB-S2	3/4		30.000	Conax	English
	Africa	MBC + Power	TV	DVB-S2	3/4		30.000	Conax	English
	Africa	Nonkas TV	TV	DVB-S2	3/4		30.000	Conax	English
	Africa	Diamond TV	TV	DVB-S2	3/4		30.000	Conax	English
	Africa	Komboni Radio 94.9 FM	radio	DVB-S2	3/4		30.000	Conax	English
	Africa	Joy FM	radio	DVB-S2	3/4		30.000	Conax	English
	Africa	Phoenix FM	radio	DVB-S2	3/4		30.000	Conax	English
	Africa	Jive FM	radio	DVB-S2	3/4		30.000	Conax	English

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
11.046	H Europe A	EVN TV	TV	DVB-S2	5/6	8.335	BISS	
11.125	V Europe A	BBC World News Europe	TV	DVB-S	3/4	3.255		English
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 4	TV	DVB-S	5/6	27.500		
	Europe B	Janatobaghie TV	TV	DVB-S	5/6	27.500		Farsi
	Europe B	Central Asia TV	TV	DVB-S	5/6	27.500		Russian
	Europe B	Erfan Halgheh TV	TV	DVB-S	5/6	27.500		
	Europe B	4U TV	TV	DVB-S	5/6	27.500		Farsi
	Europe B	Dua Channel	TV	DVB-S	5/6	27.500		
	Europe B	Asa TV	TV	DVB-S	5/6	27.500		
11.304	H Europe B	Manoto	TV	DVB-S2	2/3	29.700		Farsi
	Europe B	Melody 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
	Europe B	Iran International	TV	DVB-S2	2/3	29.700		Farsi
11.324	V Europe B	English Club TV	TV	DVB-S2	2/3	29.700		English
	Europe B	4 Fashion TV	TV	DVB-S2	2/3	29.700		
	Europe B	Bartar TV	TV	DVB-S2	2/3	29.700		
	Europe B	PMC	TV	DVB-S2	2/3	29.700		Farsi
11.345	H Europe B	Hodhod Arabic TV	TV	DVB-S	5/6	27.500		Arabic
	Europe B	Gala 1	TV	DVB-S	5/6	27.500		Farsi
	Europe B	TV Halal	TV	DVB-S	5/6	27.500		English
	Europe B	National Geographic Farsi	TV	DVB-S	5/6	27.500		Farsi
	Europe B	Nedaihaq TV	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	
	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	English
	Africa	Azam Two	TV	DVB-S2	5/6	45.000	Nagravision	English,Swahili
	Africa	Sinema Zetu	TV	DVB-S2	5/6	45.000	Nagravision	Swahili
	Africa	Azam Sports HD	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	TBC 1	TV	DVB-S2	5/6	45.000	Nagravision	
	Africa	Channel Ten	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	Clouds TV	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	ZBC TV	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	ZBC Channel 2	TV	DVB-S2	5/6	45.000	Nagravision	English,Swahili
	Africa	ITV	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	EATV 5	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	Africa Swahili TV	TV	DVB-S2	5/6	45.000	Nagravision	Swahili
	Africa	KBC Channel 1	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	Citizen TV	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	Wasafi TV	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	K24	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	NTV	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	KTN Home	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	UBC TV	TV	DVB-S2	5/6	45.000	Nagravision	
	Africa	NTV Uganda	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	KTN News	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	NBS TV	TV	DVB-S2	5/6	45.000	Nagravision	Swahili
	Africa	Bukedde TV 2	TV	DVB-S2	5/6	45.000	Nagravision	Swahili
	Africa	BBS TV	TV	DVB-S2	5/6	45.000	Nagravision	Swahili
	Africa	Urban TV	TV	DVB-S2	5/6	45.000	Nagravision	
	Africa	TV West	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	ABS TV	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	Delta TV	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	Salam TV	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	MTV Base Africa	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	Viasat Nature Africa	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	Viasat History Africa	TV	DVB-S2	5/6	45.000	Nagravision	English
	Africa	BBC World News Africa	TV	DVB-S2	5/6	45.000	Nagravision	English

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Africa	Aljazeera English	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	France 24 English	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Colors	TV	DVB-S2	5/6		45.000	Nagravision	Hindi
	Africa	Zoom	TV	DVB-S2	5/6		45.000	Nagravision	Hindi
	Africa	MTV India	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	News Nation	TV	DVB-S2	5/6		45.000	Nagravision	Hindi
	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
	Africa	BBC World Service Swahili	radio	DVB-S2	5/6		45.000		Swahili
	Africa	BBC World Service English East Africa	radio	DVB-S2	5/6		45.000		English
	Africa	Radio One	radio	DVB-S2	5/6		45.000		English
	Africa	DW-Radio	radio	DVB-S2	5/6		45.000		
	Africa	Capital Radio	radio	DVB-S2	5/6		45.000		English
11.387	H Europe B	unknown	package	DVB-S	5/6		27.500		
	Europe B	MBC Persia	TV	DVB-S	5/6		27.500		Farsi
	Europe B	Cine Series	TV	DVB-S	5/6		27.500		Farsi
	Europe B	Cine Film	TV	DVB-S	5/6		27.500		Farsi
	Europe B	Manoto +1	TV	DVB-S	5/6		27.500		Farsi
11.419	H Africa	Azam TV	package	DVB-S2	5/6		45.000	Nagravision	
	Africa	Azam Sports HD	TV	DVB-S2	5/6		45.000	Nagravision	English,Swahili
	Africa	Mahaasin TV	TV	DVB-S2	5/6		45.000		English
	Africa	Horizon TV	TV	DVB-S2	5/6		45.000		English
	Africa	Star TV	TV	DVB-S2	5/6		45.000	Nagravision	Swahili
	Africa	TV E	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Kass TV	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Bukedde TV 1	TV	DVB-S2	5/6		45.000	Nagravision	
	Africa	Capital TV	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Clouds Plus	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Spark TV	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Salt TV	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Channel 44	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	U Magic One	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Rwanda TV	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Clouds TV Rwanda	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	MBC	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Times TV	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Zodiak TV	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Fox Africa	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Fox Life Africa	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Nina TV English	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Romanza+ Africa	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Landscape HD	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	E TV Africa	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Travelxp HD	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	NHK World Japan	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Africanews	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Fox Sports Africa	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Fox Sports 2 Africa	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	National Geographic South Africa	TV	DVB-S2	5/6		45.000	Nagravision	English
	Africa	Puthiya Thalaimurai	TV	DVB-S2	5/6		45.000	Nagravision	Tamil
	Africa	Asianet Middle East	TV	DVB-S2	5/6		45.000	Nagravision	Malayalam
	Africa	Mazhavil Manorama	TV	DVB-S2	5/6		45.000	Nagravision	Malayalam
	Africa	Star Vijay International	TV	DVB-S2	5/6		45.000	Nagravision	Tamil
	Africa	Sony SAB TV Asia	TV	DVB-S2	5/6		45.000	Nagravision	Hindi
	Africa	UTV Movies International	TV	DVB-S2	5/6		45.000	Nagravision	Hindi

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Africa	Sony Max UK	TV	DVB-S2	5/6		45.000	Nagravision	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
12.549	V Europe A	Corallo Sat	TV	DVB-S2	5/6		2.222	BISS	Italian
12.604	H Africa	Africa TV 2	TV	DVB-S2	2/3		29.981		Swahili
	Africa	2M Monde	TV	DVB-S2	2/3		29.981		Arabic
	Africa	Q FM Two	radio	DVB-S2	2/3		30.000		English
12.645	H Africa	Azam TV	package	DVB-S2	2/3		30.000	Conax/Nagravision	
	Africa	Sony Channel Africa	TV	DVB-S2	2/3		30.000	Nagravision	English
	Africa	MBC 2	TV	DVB-S2	2/3		30.000	Conax/Nagravision	Arabic
	Africa	Sony Max South Africa	TV	DVB-S2	2/3		30.000	Nagravision	English
	Africa	BET Africa	TV	DVB-S2	2/3		30.000	Nagravision	English
	Africa	MBC Max	TV	DVB-S2	2/3		30.000	Conax/Nagravision	Arabic
	Africa	MBC Action	TV	DVB-S2	2/3		30.000	Conax/Nagravision	English
	Africa	The Box Africa	TV	DVB-S2	2/3		30.000	Nagravision	English
	Africa	AMC Movies	TV	DVB-S2	2/3		30.000	Conax/Nagravision	English
	Africa	MUTV	TV	DVB-S2	2/3		30.000	Nagravision	English
	Africa	Real Madrid TV English	TV	DVB-S2	2/3		30.000	Nagravision	English
	Africa	MCS Inter	TV	DVB-S2	2/3		30.000	Nagravision	French
	Africa	Fine Living	TV	DVB-S2	2/3		30.000	Nagravision	English
	Africa	Nat Geo Wild South Africa	TV	DVB-S2	2/3		30.000	Nagravision	English
	Africa	Investigation Discovery Africa	TV	DVB-S2	2/3		30.000	Nagravision	English
	Africa	Nickelodeon Africa	TV	DVB-S2	2/3		30.000	Nagravision	English
	Africa	Fox News Channel	TV	DVB-S2	2/3		30.000	Nagravision	English
	Africa	MSNBC International	TV	DVB-S2	2/3		30.000	Nagravision	English
	Africa	MBC	TV	DVB-S2	2/3		30.000	Conax/Nagravision	Arabic
	Africa	MBC 4	TV	DVB-S2	2/3		30.000	Conax/Nagravision	English
	Africa	Wanasah	TV	DVB-S2	2/3		30.000	Conax/Nagravision	Arabic
	Africa	MBC Drama	TV	DVB-S2	2/3		30.000	Conax/Nagravision	Arabic
	Africa	Aljazeera Channel	TV	DVB-S2	2/3		30.000	Nagravision	Arabic
	Africa	Baby TV Europe	TV	DVB-S2	2/3		30.000	Nagravision	English
	Africa	Jeem TV	TV	DVB-S2	2/3		30.000	Nagravision	Arabic
	Africa	Rai Italia Africa	TV	DVB-S2	2/3		30.000	Nagravision	Italian
	Africa	MBC 3	TV	DVB-S2	2/3		30.000	Conax/Nagravision	Arabic
	Africa	Star Plus UK	TV	DVB-S2	2/3		30.000	Conax/Nagravision	Hindi
	Africa	Star Gold UK	TV	DVB-S2	2/3		30.000	Conax/Nagravision	Hindi
	Africa	ETV Telugu	TV	DVB-S2	2/3		30.000	Conax/Nagravision	Telugu
	Africa	Star Maa	TV	DVB-S2	2/3		30.000	Conax/Nagravision	Telugu
	Africa	Star Bharat UK	TV	DVB-S2	2/3		30.000	Conax/Nagravision	Hindi
	Africa	MBC Bollywood	TV	DVB-S2	2/3		30.000	Conax/Nagravision	Arabic
21.750	H Europe C	Muvi TV	package	DVB-S2	2/3		17.272		
	Europe C	Muvi TV	TV	DVB-S2	2/3		17.272		English
	Europe C	Africa Unite TV	TV	DVB-S2	2/3		17.272		English
	Europe C	Muvi Nyimbo	TV	DVB-S2	2/3		17.272		English
	Europe C	Datah	TV	DVB-S2	2/3		17.272		English
	Europe C	Pinoy TV	TV	DVB-S2	2/3		17.272		
	Europe C	Prism Africa	TV	DVB-S2	2/3		17.272		English
	Europe C	Haba TV	TV	DVB-S2	2/3		17.272		English
	Europe C	Z TV	TV	DVB-S2	2/3		17.272		English
	Europe C	Hope Channel Zambia	TV	DVB-S2	2/3		17.272		English
	Europe C	Muvi Bakadoli	TV	DVB-S2	2/3		17.272		English
	Europe C	Emmanuel TV	TV	DVB-S2	2/3		17.272		English
	Europe C	Muvi TV promo	TV	DVB-S2	2/3		17.272		English
	Europe C	Komboni Radio 94.9 FM	radio	DVB-S2	2/3		17.272		English

EUTELSAT 9B

11.727	V Wide	Ziggo Sport Select	TV	DVB-S2	3/4		30.000	Conax	Dutch
	Wide	VTM	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	Vitaya	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	Caz	TV	DVB-S2	3/4		30.000	Conax	Dutch
	Wide	Q2	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
	Wide	Ziggo Sport Voetbal	TV	DVB-S2	3/4		30.000	Conax	Dutch
	Wide	VRT Radio 1	radio	DVB-S2	3/4		30.000		Dutch
	Wide	VRT Radio 2 Vlaams-Brabant	radio	DVB-S2	3/4		30.000		Dutch
	Wide	MNM	radio	DVB-S2	3/4		30.000		Dutch
	Wide	VRT NWS	radio	DVB-S2	3/4		30.000		Dutch
	Wide	Klara	radio	DVB-S2	3/4		30.000		Dutch
	Wide	Klara Continuo	radio	DVB-S2	3/4		30.000		Dutch
	Wide	MNM Hits	radio	DVB-S2	3/4		30.000		Dutch
	Wide	VRT Radio 1	radio	DVB-S2	3/4		30.000		Dutch
	Wide	Q-music Vlaanderen	radio	DVB-S2	3/4		30.000		Dutch
	Wide	Joe	radio	DVB-S2	3/4		30.000		Dutch
	Wide	Nostalgie Vlaanderen	radio	DVB-S2	3/4		30.000		Dutch
	Wide	Radio Continuo	radio	DVB-S2	3/4		30.000		Dutch
	Wide	Groot Nieuws Radio	radio	DVB-S2	3/4		30.000		Dutch
11.747	H Wide	Joyne	package	DVB-S2	3/4		30.000	Conax	
	Wide	NPO 1	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	NPO 2	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	NPO 3	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	RTL 4	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	RTL 5	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	SBS 6	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	RTL 7	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	Disney XD Nederland	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	Veronica	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	Net 5	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	RTL 8	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	RTL Z	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	SBS 9	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	Comedy Central Nederland	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	Spike Nederland	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	TV 538	TV	DVB-S2	3/4		30.000	Conax	Dutch
	Wide	National Geographic Nederland	TV	DVB-S2	3/4		30.000	Conax	Dutch
	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	Colmax TV	TV	DVB-S2	3/4		30.000	Conax	French
	Wide	Penthouse Gold	TV	DVB-S2	3/4		30.000	Conax	English
11.785	H Wide	M7 Deutschland	package	DVB-S2	2/3		27.500		
	Wide	MTV Germany	TV	DVB-S2	2/3		27.500	Conax/Videoguard	German
	Wide	Welt	TV	DVB-S2	2/3	Y	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	MTV Germany +1	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 Prime Atlantic	TV	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN News	TV	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN Sports	TV	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN Prime Pacific	TV	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN Spectrum	TV	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN Sports 2	TV	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN Family	TV	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN Movie	TV	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN The Eagle Atlantic	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN The Voice	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN PowerTalk	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN Clutch	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN Fans	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	Hot AC	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN Legacy	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
	Wide	AFN's Joe Radio	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	Gravity	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	Today's Best Country	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	NPR Worldwide AFRTS	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN Seasonal	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	The Contingency Channel	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN Freedom Radio	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN The Eagle Aviano	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN The Eagle Bavaria	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN The Eagle Benelux	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN The Eagle Incirlik	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN The Eagle Kaiserslautern	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN The Eagle Naples	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN The Eagle Rota	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN The Eagle Souda Bay	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN The Eagle Spangdahlem	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN The Eagle Stuttgart	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN The Eagle Vicenza	radio	DVB-S2	2/3		27.500	PowerVu/Verimatrix	English
	Wide	AFN The Eagle Wiesbaden	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/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	Sisal TV 5	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	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	Stingray CMusic	TV	DVB-S2	3/5		27.500	Videoguard	English
	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	M7 Deutschland	package	DVB-S2	2/3		27.500	Betacrypt/Conax/Nagravision/Videoguard	
	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	MTV Germany +1	TV	DVB-S2	2/3		27.500	Conax/Videoguard	German
	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	Irdeto/Viaccess/BISS	
	Wide	Rai Italia Africa	TV	DVB-S2	2/3		27.500	Irdeto	Italian
	Wide	Eurobet Canale Nero	TV	DVB-S2	2/3		27.500	BISS	Italian
	Wide	Eurobet Canale Blu & Giallo	TV	DVB-S2	2/3		27.500	BISS	Italian
	Wide	RTI 1	TV	DVB-S2	2/3		27.500		French
	Wide	ORTB TV	TV	DVB-S2	2/3		27.500		French
	Wide	MCM Top	TV	DVB-S2	2/3		27.500	Viaccess	French
	Wide	RTS 1	TV	DVB-S2	2/3	Y	27.500		French
	Wide	Opap TV Virtual Games	TV	DVB-S2	2/3		27.500	Cryptoguard	Greek
	Wide	Opap TV Monitor Games	TV	DVB-S2	2/3		27.500	Cryptoguard	Greek
	Wide	Opap TV Horse Races	TV	DVB-S2	2/3		27.500	Nagravision	Greek
	Wide	TRT Tamil Olli	radio	DVB-S2	2/3		27.500		Tamil
	Wide	Radio Côte d'Ivoire	radio	DVB-S2	2/3		27.500		French

Freq	Beam		Analog	Diff	Fec		Symbl Rate	Acces	Lang
11.900	Wide	Radio Sénégal International	radio	DVB-S2	2/3		27.500		
	H Wide	unknown	package	DVB-S2	2/3		27.500	Conax/Nagravision/Viaccess/Video guard	
	Wide	Vermantia promo	TV	DVB-S2	2/3		27.500	Nagravision	English
	Wide	EbS	TV	DVB-S2	2/3		27.500		English,French,German,Italian,Spanish,Greek,Portuguese,Dutch,Danish,Finnish,Swedish,Czech,Estonian,Latvian,Lithuanian,Hungarian,Maltese,Polish,Slovak,Slovenian,Bulgarian,Romanian,Irish,Croatian
	Wide	EbS+	TV	DVB-S2	2/3		27.500		English,French,German,Italian,Spanish,Greek,Portuguese,Dutch,Danish,Finnish,Swedish,Czech,Estonian,Latvian,Lithuanian,Hungarian,Maltese,Polish,Slovak,Slovenian,Bulgarian,Romanian,Irish,Croatian
	Wide	Trace Sport Stars	TV	DVB-S2	2/3		27.500	Viaccess	English,French,Russian
	Wide	RTS 2	TV	DVB-S2	2/3		27.500		French
	Wide	Trace Urban	TV	DVB-S2	2/3		27.500	Viaccess	English
	Wide	TVT International	TV	DVB-S2	2/3		27.500		French
	Wide	Virtual Better Calcio	TV	DVB-S2	2/3		27.500	Cryptoguard	Italian
11.919	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
	V Wide	MX1	package	DVB-S	3/4		27.500	Cryptoguard/Cryptoworks/Irdeto/Viaccess/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	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
11.958	V Wide	Intralot TV 3	TV	DVB-S	3/4		27.500		Greek
	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	Kossuth Rádió	radio	DVB-S2	2/3		27.500		Hungarian
	Wide	Petőfi Rádió	radio	DVB-S2	2/3		27.500		Hungarian
11.977	Wide	Bartók Rádió	radio	DVB-S2	2/3		27.500		Hungarian
	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
11.977	H Wide	Kossuth Rádió	radio	DVB-S2	2/3		27.500		Hungarian
	Wide	Petőfi Rádió	radio	DVB-S2	2/3		27.500		Hungarian
	H Wide	M7 Deutschland	package	DVB-S2	2/3		27.500	Conax/VideoGuard	
	Wide	Mediaset Italia	TV	DVB-S2	2/3		27.500	Conax/VideoGuard	Italian
	Wide	Playboy TV Europe	TV	DVB-S2	2/3		27.500	Conax/VideoGuard	English,French
	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,Romanian
	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	

Freq		Beam		Analog	Diff	Fec		Symbl Rate	Acces	Lang
		Wide	Ost West	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
11.996	V	Wide	Globecast	package	DVB-S	3/4		27.500		
		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
		Wide	CGTN Documentary	TV	DVB-S	3/4		27.500		English
		Wide	PTV Global	TV	DVB-S	3/4		27.500		Urdu
12.015	H	Wide	M7 Deutschland	package	DVB-S2	2/3		27.500	Conax/Videoguard	
		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	Disney Channel Deutschland	TV	DVB-S2	2/3	Y	27.500	Conax/Videoguard	German
12.034	V	Wide	Globecast	package	DVB-S2	3/4		27.500		
		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	Arabic,Greek,English
		Wide	Télé Sahel	TV	DVB-S2	3/4		27.500		French
		Wide	BBC Entertainment Europe	TV	DVB-S2	3/4		27.500	Irdeto	English
		Wide	Karusel International	TV	DVB-S2	3/4		27.500		Russian
		Wide	ORTM Chaîne Nationale	radio	DVB-S2	3/4		27.500		French
		Wide	Voix du Sahel	radio	DVB-S2	3/4		27.500		French
12.054	H	Wide	unknown	package	DVB-S2	2/3		27.500	Viaccess/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	Center TV	TV	DVB-S2	2/3		27.500	Videoguard	German
		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	CNN International Europe	TV	DVB-S2	2/3		27.500	Videoguard	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	One Channel	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	Greek
		Wide	Mad Hits	TV	DVB-S2	2/3		27.500	Videoguard	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	RT News	TV	DVB-S2	2/3		27.500	Videoguard	English
		Wide	Bloomberg TV Europe	TV	DVB-S2	2/3		27.500	Videoguard	English
		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	Joyne	package	DVB-S2	3/4		30.000	Conax	
		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	Investigation Discovery Nederland	TV	DVB-S2	3/4		30.000	Conax	Dutch
		Wide	Eurosport 1 Nederland	TV	DVB-S2	3/4		30.000	Conax	Dutch,English
		Wide	Eurosport 2 Nederland	TV	DVB-S2	3/4		30.000	Conax	Dutch,English
		Wide	TLC Nederland	TV	DVB-S2	3/4		30.000	Conax	Dutch
		Wide	Xite Nederland	TV	DVB-S2	3/4		30.000	Conax	Dutch
		Wide	MTV NL	TV	DVB-S2	3/4		30.000	Conax	Dutch
		Wide	TV Oranje	TV	DVB-S2	3/4		30.000		Dutch
		Wide	Schlager TV	TV	DVB-S2	3/4		30.000		German

Freq	Beam		Analog	Diff	Fec		Symbl Rate	Acces	Lang
	Wide	Nashville TV	TV	DVB-S2	3/4		30.000		English
	Wide	192 TV	TV	DVB-S2	3/4		30.000	Conax	Dutch
	Wide	Omrop Fryslân TV	TV	DVB-S2	3/4		30.000		Frisian
	Wide	TV Noord	TV	DVB-S2	3/4		30.000		Dutch
	Wide	TV Drenthe	TV	DVB-S2	3/4		30.000		Dutch
	Wide	TV Oost	TV	DVB-S2	3/4		30.000		Dutch
	Wide	Omroep Flevoland TV	TV	DVB-S2	3/4		30.000		Dutch
	Wide	Omroep Zeeland TV	TV	DVB-S2	3/4		30.000		Dutch
	Wide	TV Rijnmond	TV	DVB-S2	3/4		30.000		Dutch
	Wide	RTV Utrecht	TV	DVB-S2	3/4		30.000		Dutch
	Wide	L1 TV	TV	DVB-S2	3/4		30.000		Dutch
	Wide	Omroep Brabant TV	TV	DVB-S2	3/4		30.000		Dutch
	Wide	TV Gelderland	TV	DVB-S2	3/4		30.000		Dutch
	Wide	NH TV	TV	DVB-S2	3/4		30.000		Dutch
	Wide	TV West	TV	DVB-S2	3/4		30.000		Dutch
	Wide	Ketnet Junior	TV	DVB-S2	3/4	Y	30.000	Conax	Dutch
	Wide	History HD Europe	TV	DVB-S2	3/4		30.000	Conax	Dutch
	Wide	Crime + Investigation Network Nederland	TV	DVB-S2	3/4		30.000	Conax	Dutch
	Wide	Fox NL	TV	DVB-S2	3/4		30.000	Conax	Dutch
	Wide	Fox Sports 2 Nederland	TV	DVB-S2	3/4		30.000	Conax	Dutch
	Wide	Travelxp HD Europe	TV	DVB-S2	3/4		30.000	Conax	English
	Wide	EnjoyTV	TV	DVB-S2	3/4		30.000		Dutch
	Wide	Dusk TV Netherlands	TV	DVB-S2	3/4		30.000	Conax	English
	Wide	NPO Radio 1	radio	DVB-S2	3/4		30.000		Dutch
	Wide	NPO Radio 2	radio	DVB-S2	3/4		30.000		Dutch
	Wide	NPO 3FM	radio	DVB-S2	3/4		30.000		Dutch
	Wide	NPO Radio 4	radio	DVB-S2	3/4		30.000		Dutch
	Wide	NPO Radio 5	radio	DVB-S2	3/4		30.000		Dutch
	Wide	Radio NL	radio	DVB-S2	3/4		30.000		Dutch
	Wide	100% NL	radio	DVB-S2	3/4		30.000		Dutch
	Wide	Sky Radio	radio	DVB-S2	3/4		30.000		Dutch
	Wide	Radio 538	radio	DVB-S2	3/4		30.000		Dutch
	Wide	Radio Veronica	radio	DVB-S2	3/4		30.000		Dutch
12.092	H Wide	Arqiva	package	DVB-S2	3/4		27.500	PowerVu/Viaccess/Videoguard	
	Wide	Disney Junior Türkiye & Polska	TV	DVB-S2	3/4		27.500	Viaccess	English,Turkish,Polish,Romanian,Greek,Arabic
	Wide	NTD TV Europe	TV	DVB-S2	3/4		27.500		Chinese
	Wide	E! Europe	TV	DVB-S2	3/4		27.500	Viaccess	English,German,French,Polish,Turkish,Czech,Hungarian
	Wide	TV 5 Monde France Belgique Suisse	TV	DVB-S2	3/4	Y	27.500		French
12.111	V Nordic Baltic	Xtra TV	package	DVB-S2	5/6		27.500	Betacrypt/Conax	
	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	Russian,English
	Nordic Baltic	Animal Planet Russia	TV	DVB-S2	5/6		27.500	Betacrypt/Conax	Russian,English
	Nordic Baltic	Discovery Science	TV	DVB-S2	5/6		27.500	Betacrypt/Conax	Russian,English
	Nordic Baltic	Star Cinema	TV	DVB-S2	5/6		27.500	Betacrypt/Conax	Ukrainian,Russian
12.130	H Germany Ge	M7 Deutschland	package	DVB-S2	2/3		27.500	Conax/Videoguard	
	Germany Ge	EuroStar	TV	DVB-S2	2/3		27.500	Conax/Videoguard	Turkish
	Germany Ge	EuroNews Français	TV	DVB-S2	2/3		27.500	Conax/Videoguard	French
	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	Heimatkanal	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
12.149	V Nordic Baltic	X Sport	TV	DVB-S2	5/6		27.500	Betacrypt	Ukrainian
	Nordic Baltic	Futbol 1	TV	DVB-S2	5/6		27.500	Betacrypt	Ukrainian
	Nordic Baltic	Futbol 2	TV	DVB-S2	5/6		27.500	Betacrypt	Ukrainian

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
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	Cosmote Sport 9	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Fox Sports Europe	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
	Extended Greece	Outdoor Channel International	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	Xtra TV	package	DVB-S2	5/6		27.500	Betacrypt/Conax	
	Nordic Baltic	Fine Living	TV	DVB-S2	5/6		27.500	Betacrypt	Russian,English
	Nordic Baltic	Pershiy Avtomobilniy	TV	DVB-S2	5/6		27.500	Betacrypt	Ukrainian
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	Cosmote History	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	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	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	SKAĭ	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Edge Sport	TV	DVB-S2	2/3		27.500	Videoguard	English
	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
12.226	V Nordic Baltic	AMC Russia	TV	DVB-S2	5/6		27.500		English,Russian,Ukrainian
	Nordic Baltic	Niki Kids	TV	DVB-S2	5/6		27.500		Ukrainian
	Nordic Baltic	Niki Junior	TV	DVB-S2	5/6		27.500		Ukrainian
	Nordic Baltic	Eu Music	TV	DVB-S2	5/6		27.500		Ukrainian
	Nordic Baltic	4ever Music	TV	DVB-S2	5/6		27.500		Ukrainian
12.245	H Germany Ge	M7 Deutschland	package	DVB-S2	2/3		27.500	Conax/Videoguard	
	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	Nitro 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	

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
	Extended Greece	Sirina TV	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	Makedonia 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	TV Creta	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Kontra Channel	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	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
	Extended Greece	Cosmote Sport 1	TV	DVB-S2	2/3		27.500	Videoguard	Greek
	Extended Greece	Private TV	TV	DVB-S2	2/3		27.500	Videoguard	English
12.322	H Germany Ge	M7 Deutschland	package	DVB-S2	2/3		27.500	Conax/Videoguard	
	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 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	M7 Deutschland	package	DVB-S2	2/3		27.500	Conax/Videoguard	
	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	Crime + Investigation 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 US	TV	DVB-S2	2/3		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	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	National Geographic +	TV	DVB-S2	2/3		27.500	Videoguard	
	Extended Greece	Travel Channel Europe	TV	DVB-S2	2/3		27.500	Videoguard	English
	Extended Greece	TCM Central & Eastern Europe	TV	DVB-S2	2/3		27.500	Videoguard	English
	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

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Access	Lang
	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	Peiraiiki Ekklesia 91.2 FM	radio	DVB-S2	2/3		27.500		Greek
	Extended Greece	Radio Oixalia	radio	DVB-S2	2/3		27.500		Greek
12.437	H Germany Ge	M7 Deutschland	package	DVB-S2	2/3		27.500	Conax/Videoguard	
	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	Duck TV SD	TV	DVB-S2	2/3		27.500	Conax/Videoguard	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	Discovery Channel Deutschland	TV	DVB-S2	2/3		27.500	Conax/Videoguard	German,English
	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	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

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
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EUTELSAT 10A

3.638	R C	RTNC 3	TV	DVB-S2	5/6	3.716	BISS	French
	C	Héritage TV	TV	DVB-S2	5/6	3.716	BISS	French
3.645	R C	StarTimes TV	package	DVB-S2	5/6	16.130		
	C	NTV	TV	DVB-S2	5/6	16.130		English
	C	KTN Home	TV	DVB-S2	5/6	16.130		English
	C	K24	TV	DVB-S2	5/6	16.130		English
	C	Clouds TV	TV	DVB-S2	5/6	16.130		English
	C	KBC Channel 1	TV	DVB-S2	5/6	16.130		English
	C	God TV Africa	TV	DVB-S2	5/6	16.130		English
	C	Border TV	TV	DVB-S2	5/6	16.130		English
	C	Triple P	TV	DVB-S2	5/6	16.130		English
	C	Gikuyu TV	TV	DVB-S2	5/6	16.130		
	C	Al Huda TV	TV	DVB-S2	5/6	16.130		Arabic
	C	Faith TV	TV	DVB-S2	5/6	16.130		English
	C	KTN Burudani TV	TV	DVB-S2	5/6	16.130		English
	C	Nuru TV	TV	DVB-S2	5/6	16.130		English
	C	KTN Farmers TV	TV	DVB-S2	5/6	16.130		English
	C	Citizen TV	TV	DVB-S2	5/6	16.130		English
	C	MBCI TV	TV	DVB-S2	5/6	16.130		English
	C	Raia TV	TV	DVB-S2	5/6	16.130		English
	C	Lolwe TV Network	TV	DVB-S2	5/6	16.130		English
	C	Horizon TV	TV	DVB-S2	5/6	16.130		English
	C	Ebru TV Africa	TV	DVB-S2	5/6	16.130		English
	C	Times TV	TV	DVB-S2	5/6	16.130		English
3.648	L C	Chinese mux	package	DVB-S2	2/3	20.161	Unitend/VisionCrypt	
	C	CCTV 1	TV	DVB-S2	2/3	20.161	Unitend/VisionCrypt	Chinese
	C	CCTV 2	TV	DVB-S2	2/3	20.161	Unitend/VisionCrypt	Chinese
	C	CCTV 3	TV	DVB-S2	2/3	20.161	Unitend/VisionCrypt	Chinese
	C	Beijing TV International Channel	TV	DVB-S2	2/3	20.161	Unitend/VisionCrypt	Chinese
	C	CCTV 5	TV	DVB-S2	2/3	20.161	Unitend/VisionCrypt	Chinese
	C	CCTV 8	TV	DVB-S2	2/3	20.161	Unitend/VisionCrypt	Chinese
	C	Henan TV International Channel	TV	DVB-S2	2/3	20.161	Unitend/VisionCrypt	Chinese
	C	CCTV 14	TV	DVB-S2	2/3	20.161	Unitend/VisionCrypt	Chinese
	C	Jiangsu TV International	TV	DVB-S2	2/3	20.161	Unitend/VisionCrypt	Chinese
	C	Eleven Sports 1 Taiwan	TV	DVB-S2	2/3	20.161	Unitend/VisionCrypt	Chinese
	C	Zhejiang Satellite TV International	TV	DVB-S2	2/3	20.161	Unitend/VisionCrypt	Chinese
	C	Phoenix Chinese Channel	TV	DVB-S2	2/3	20.161	Unitend/VisionCrypt	Chinese
	C	Anhui International Channel	TV	DVB-S2	2/3	20.161	Unitend/VisionCrypt	Chinese
	C	Liaoning TV	TV	DVB-S2	2/3	20.161	Unitend/VisionCrypt	
3.658	R C	Congo-Kinshasa mux	package	DVB-S2	3/4	3.716	BISS	
	C	RTNC	TV	DVB-S2	3/4	3.716	BISS	French
	C	Moliere TV	TV	DVB-S2	3/4	3.716	BISS	French
	C	B-One TV	TV	DVB-S2	3/4	3.716	BISS	French
	C	Cinarc TV	TV	DVB-S2	3/4	3.716	BISS	French
	C	Digital Congo TV	TV	DVB-S2	3/4	3.716	BISS	
	C	PSTV SD Culturelle	TV	DVB-S2	3/4	3.716	BISS	French
	C	Antenne A	TV	DVB-S2	3/4	3.716	BISS	French
3.675	R C	StarTimes TV Moçambique	package	DVB-S2	3/4	23.500	Conax	
	C	ST Movies Plus	TV	DVB-S2	3/4	23.500	Conax	English
	C	ST Novela E Plus	TV	DVB-S2	3/4	23.500	Conax	English
	C	TVM	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	TVM Internacional	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	Soico TV	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	TV Miramar	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	TIM	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	Eco TV	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	ITV	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	Gloom Channel	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	ST Kungfu	TV	DVB-S2	3/4	23.500	Conax	
	C	RTP África	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	ST Sports Focus	TV	DVB-S2	3/4	23.500	Conax	English
	C	ST Sports Arena	TV	DVB-S2	3/4	23.500	Conax	English
	C	ST Sports Premium	TV	DVB-S2	3/4	23.500	Conax	English

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
	C	ST Sports Life	TV	DVB-S2	3/4	23.500	Conax	English
	C	ST World Football	TV	DVB-S2	3/4	23.500	Conax	English
	C	Aljazeera English	TV	DVB-S2	3/4	23.500	Conax	English
	C	Fine Living	TV	DVB-S2	3/4	23.500	Conax	English
	C	Baby TV Europe	TV	DVB-S2	3/4	23.500	Conax	English,Portuguese
	C	ST Music	TV	DVB-S2	3/4	23.500	Conax	English
	C	Iqraa Africa & Europe	TV	DVB-S2	3/4	23.500	Conax	
	C	ST Bollywood	TV	DVB-S2	3/4	23.500	Conax	English
	C	StarTimes TV Moçambique	package	DVB-S2	3/4	23.500	Conax	
	C	AMC Movies	TV	DVB-S2	3/4	23.500	Conax	English
	C	AMC Portugal	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	TLN Network	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	ST Novela P	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	ST Sino Drama	TV	DVB-S2	3/4	23.500	Conax	English,Portuguese
	C	Fox Portugal	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	KTV	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	TV Sucesso	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	RTP Internacional Europa	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	TVI Internacional	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	SIC Internacional África	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	National Geographic Portugal	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	BBC World News Africa	TV	DVB-S2	3/4	23.500	Conax	English
	C	TVI 24 África	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	SIC Notícias	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	ST Kids	TV	DVB-S2	3/4	23.500	Conax	English
	C	JimJam Europe	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	Biggs	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	Disney Channel Portugal	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	Disney Junior Portugal	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	TV Maná Maputo	TV	DVB-S2	3/4	23.500	Conax	Portuguese
	C	StarTimes TV Moçambique	package	DVB-S2	3/4	23.500	Conax	
	C	Afro Music Channel	TV	DVB-S2	3/4	23.500	Conax	Portuguese
3.676	R C	Gungu TV	TV	DVB-S2	5/6	28.070		Portuguese
	C	ST Series E1	TV	DVB-S2	5/6	28.070		English
	C	ST Novela E	TV	DVB-S2	5/6	28.070		English
	C	ST Rise	TV	DVB-S2	5/6	28.070		
	C	Fox Sports Africa	TV	DVB-S2	5/6	28.070		English
	C	MTV Base Africa	TV	DVB-S2	5/6	28.070		English
	C	Zee Cinema Africa	TV	DVB-S2	5/6	28.070		Hindi
	C	Star Plus	TV	DVB-S2	5/6	28.070	Conax	Hindi
	C	Fox Life Africa	TV	DVB-S2	5/6	28.070	Conax	English
3.689	L C	CIS TV	TV	DVB-S2	3/5	1.083		French
3.692	R C	RTNB TV	TV	DVB-S2	5/6	1.818		French
3.700	R C	Impact Africa TV	TV	DVB-S2	5/6	1.125		English
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
3.725	R C	StarTimes TV	package	DVB-S2	5/6	13.430		
	C	NTV	TV	DVB-S2	5/6	13.430		English
	C	KTN Home	TV	DVB-S2	5/6	13.430		English
	C	K24	TV	DVB-S2	5/6	13.430		English
	C	Clouds TV	TV	DVB-S2	5/6	13.430		English
	C	KBC Channel 1	TV	DVB-S2	5/6	13.430		English
	C	God TV Africa	TV	DVB-S2	5/6	13.430		English
	C	Border TV	TV	DVB-S2	5/6	13.430		English
	C	Triple P	TV	DVB-S2	5/6	13.430		English
	C	Gikuyu TV	TV	DVB-S2	5/6	13.430		
	C	Al Huda TV	TV	DVB-S2	5/6	13.430		Arabic
	C	Faith TV	TV	DVB-S2	5/6	13.430		English
	C	KTN Burudani TV	TV	DVB-S2	5/6	13.430		
	C	Nuru TV	TV	DVB-S2	5/6	13.430		English
	C	Times TV	TV	DVB-S2	5/6	13.430		English
	C	Citizen TV	TV	DVB-S2	5/6	13.430		English
	C	Farmers TV	TV	DVB-S2	5/6	13.430		English
	C	MBCI TV	TV	DVB-S2	5/6	13.430		Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	C	ST Plus	TV	DVB-S2	5/6	13.430		
	C	Raia TV	TV	DVB-S2	5/6	13.430		English
3.738	R C	StarTimes TV	package	DVB-S2	5/6	9.735	Conax	
	C	Orisun TV	TV	DVB-S2	5/6	9.735	Conax	
	C	Estars TV	TV	DVB-S2	5/6	9.735		English
	C	Voxafrica Afrique	TV	DVB-S2	5/6	9.735	Conax	
	C	ST Nollywood Plus	TV	DVB-S2	5/6	9.735	Conax	
	C	ST Yorùbá	TV	DVB-S2	5/6	9.735	Conax	Yoruba
	C	StarTimes TV Guide Nigeria	TV	DVB-S2	5/6	9.735		English
	C	Silverbird TV	TV	DVB-S2	5/6	9.735	Conax	English
	C	Wap TV	TV	DVB-S2	5/6	9.735	Conax	English
	C	Channels TV	TV	DVB-S2	5/6	9.735	Conax	English
	C	Iqraa Africa & Europe	TV	DVB-S2	5/6	9.735	Conax	English
	C	Ulaft TV	TV	DVB-S2	5/6	9.735	Conax	
	C	Area Ten TV	TV	DVB-S2	5/6	9.735	Conax	
	C	Nigbati	TV	DVB-S2	5/6	9.735	Conax	English
	C	Isi Mbido	TV	DVB-S2	5/6	9.735	Conax	
	C	Plus TV Africa	TV	DVB-S2	5/6	9.735	Conax	English
	C	LoveWorld Plus	TV	DVB-S2	5/6	9.735	Conax	English
3.748	R C	New Frontiers TV	TV	DVB-S2	5/6	9.082	Conax	English
	C	NTA Knowledge	TV	DVB-S2	5/6	9.082	Conax	English
3.759	L C	La Gran Carpa Catedral TV	TV	DVB-S2	5/6	.833		Spanish
	C	TV E	TV	DVB-S2	5/6	7.610		
	C	EATV 5	TV	DVB-S2	5/6	7.610		English
	C	E TV Africa	TV	DVB-S2	5/6	7.610		English
	C	TBC 2	TV	DVB-S2	5/6	7.610		
	C	Mambo TV Swahili	TV	DVB-S2	5/6	7.610		Swahili
	C	TV 1	TV	DVB-S2	5/6	7.610		English
	C	Upendo TV	TV	DVB-S2	5/6	7.610		
	C	ITV	TV	DVB-S2	5/6	7.610		English
	C	Tanzania Safari Channel	TV	DVB-S2	5/6	7.610		English
3.768	R C	Ugandan mux	package	DVB-S2	5/6	8.475		
	C	UBC TV	TV	DVB-S2	5/6	8.475		
	C	Channel 44	TV	DVB-S2	5/6	8.475		English
	C	Sanyuka TV	TV	DVB-S2	5/6	8.475		
	C	NBS TV	TV	DVB-S2	5/6	8.475		Swahili
	C	Bukedde TV 1	TV	DVB-S2	5/6	8.475		
	C	NTV Uganda	TV	DVB-S2	5/6	8.475		English
	C	Bukedde TV 2	TV	DVB-S2	5/6	8.475		
	C	Urban TV	TV	DVB-S2	5/6	8.475		English
	C	TV West	TV	DVB-S2	5/6	8.475		
	C	Salam TV	TV	DVB-S2	5/6	8.475		English
	C	BBS TV	TV	DVB-S2	5/6	8.475		
	C	Magic 1 HD	TV	DVB-S2	5/6	8.475		English
	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		
3.777	R C	New World TV	package	DVB-S2	3/4	6.480		
	C	NW Sport 1	TV	DVB-S2	3/4	6.480		
	C	NW Info 2	TV	DVB-S2	3/4	6.480		English
	C	NW Magazine	TV	DVB-S2	3/4	6.480		French
	C	NW Info	TV	DVB-S2	3/4	6.480		French
	C	NW Cinema	TV	DVB-S2	3/4	6.480		
	C	A12 TV	TV	DVB-S2	3/4	6.480		French
	C	NW Transnat	TV	DVB-S2	3/4	6.480		French
	C	NW Muzik	TV	DVB-S2	3/4	6.480		French
	C	NW Sport 2	TV	DVB-S2	3/4	6.480		French
3.826	R C	Deeper Christian Life Ministry	TV	DVB-S2	5/6	4.000		English
3.835	R C	LoveWorld Plus	TV	DVB-S2	4/5	1.000		English
3.855	R C	Télé Tchad	TV	DVB-S2	2/3	2.062		French
3.857	L C	Ouest TV	TV	DVB-S2	3/4	1.124		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

Freq	Beam		Analog	Diff	Fec		Symbol Rate	Acces	Lang
10.733	V Wide	Fé TV	TV	DVB-S2	5/6		2.025		Portuguese
10.747	V Wide	Zap Viva	TV	DVB-S2	9/10		4.000		Portuguese
10.756	V Wide	TV Zimbo	TV	DVB-S	7/8		2.480		Portuguese
10.831	V Wide	Vida TV	TV	DVB-S	3/4		5.000	BISS	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
10.961	H Wide	NourSat	TV	DVB-S2	2/3		1.333		Arabic
11.007	V Wide	Alforat News	TV	DVB-S2	3/4		4.800		Arabic
	Wide	Alforat FM	radio	DVB-S2	3/4		4.800		Arabic
11.113	V Wide	Al Rasheed TV	TV	DVB-S2	3/4		2.500	BISS	Arabic
11.133	V Wide	Dzair	package	DVB-S2	8/9		4.000		
	Wide	Dzair TV	TV	DVB-S2	8/9		4.000		Arabic
	Wide	Dzair News	TV	DVB-S2	8/9		4.000		Arabic
11.221	V Wide	BFBS	package	DVB-S2	5/6		30.000	Irdeto	
	Wide	BBC One	TV	DVB-S2	5/6		30.000	Irdeto	English
	Wide	BBC Two	TV	DVB-S2	5/6		30.000	Irdeto	English
	Wide	ITV	TV	DVB-S2	5/6		30.000	Irdeto	English
	Wide	BFBS Extra	TV	DVB-S2	5/6		30.000	Irdeto	English
	Wide	Sky Sports Main Event UK	TV	DVB-S2	5/6		30.000	Irdeto	English
	Wide	BT Sport 1	TV	DVB-S2	5/6		30.000	Irdeto	English
	Wide	BFBS Sport	TV	DVB-S2	5/6		30.000	Irdeto	English
	Wide	Sky News UK	TV	DVB-S2	5/6		30.000	Irdeto	English
	Wide	Forces TV	TV	DVB-S2	5/6		30.000	Irdeto	English
	Wide	BBC One Delay	TV	DVB-S2	5/6		30.000	Irdeto	English
	Wide	BBC Two Delay	TV	DVB-S2	5/6		30.000	Irdeto	English
	Wide	ITV Delay	TV	DVB-S2	5/6		30.000	Irdeto	English
	Wide	BFBS Extra Delay	TV	DVB-S2	5/6		30.000	Irdeto	English
	Wide	Sky Cinema Delay	TV	DVB-S2	5/6		30.000	Irdeto	English
	Wide	Nepal TV	TV	DVB-S2	5/6		30.000	Irdeto	Nepali
	Wide	BFBS Radio 2	radio	DVB-S2	5/6		30.000	Irdeto	English
	Wide	BFBS Gurkha Radio	radio	DVB-S2	5/6		30.000		
	Wide	BFBS Radio Shamishran	radio	DVB-S2	5/6		30.000		
	Wide	BBC World Service English	radio	DVB-S2	5/6		30.000	Irdeto	English
	Wide	Fun Kids	radio	DVB-S2	5/6		30.000		English
	Wide	TalkSport	radio	DVB-S2	5/6		30.000	Irdeto	English
	Wide	BFBS Brize Norton	radio	DVB-S2	5/6		30.000		English
	Wide	BFBS Gurkha Radio	radio	DVB-S2	5/6		30.000		
11.346	H Wide	AFP TV	TV	DVB-S	3/4		27.500	BISS	English
	Wide	Cap Radio	radio	DVB-S	3/4		27.500		French
11.488	V Wide	Ava Entertainment	TV	DVB-S2	3/5		5.000		Arabic
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/BISS	
	Wide	AMC Russia	TV	DVB-S	5/6		5.300	Irdeto	English,Russian,Ukraine
	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	package	DVB-S	7/8		11.153		
	Africa	TV Zimbo	TV	DVB-S	7/8		11.153		Portuguese
11.681	H Wide	LBC	package	DVB-S2	5/6		3.200		
	Wide	LDC	TV	DVB-S2	5/6		3.200		Arabic
	Wide	LDC America & Australia	TV	DVB-S2	5/6		3.200		Arabic
12.509	H Wide	Beladi Satellite TV	TV	DVB-S	5/6		2.667		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

Freq		Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
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	CNL Evropa	TV	DVB-S	5/6		27.500		Russian
		Wide	Fashion One Europe	TV	DVB-S	5/6		27.500		English
		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	TVK	TV	DVB-S	5/6		27.500		
		Wide	The Word Network	TV	DVB-S	5/6		27.500		English
		Wide	The Overcomer	radio	DVB-S	5/6		27.500		English
10.949	V	Wide	Globecast	package	DVB-S	3/4		27.500		
		Wide	Al Hiwar TV	TV	DVB-S	3/4		27.500		Arabic
		Wide	Imam Hussein TV 1	TV	DVB-S	3/4		27.500		Farsi
		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	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
10.971	H	Wide	SRG SSR	package	DVB-S2	2/3		29.700	Viaccess	
		Wide	SRF 1	TV	DVB-S2	2/3	Y	29.700	Viaccess	German
		Wide	SRF Zwei	TV	DVB-S2	2/3	Y	29.700	Viaccess	German
		Wide	RTS Un	TV	DVB-S2	2/3	Y	29.700	Viaccess	French
		Wide	RTS Deux	TV	DVB-S2	2/3	Y	29.700	Viaccess	French
11.054	H	Wide	Media Broadcast Satellite	package	DVB-S	5/6		27.500		
		Wide	DW English	TV	DVB-S	5/6		27.500		English
		Wide	Arti TV	TV	DVB-S	5/6		27.500		Turkish
		Wide	MC EU	TV	DVB-S	5/6		27.500		Turkish
		Wide	Can TV	TV	DVB-S	5/6		27.500		Turkish
		Wide	Jin TV	TV	DVB-S	5/6		27.500		Kurdish
		Wide	Media Broadcast Satellite promo	TV	DVB-S	5/6		27.500		German
		Wide	Alalam News Channel	TV	DVB-S	5/6		27.500		Arabic
		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	MTA Africa	TV	DVB-S	5/6		27.500		English,French,Urdu,Swahili
		Wide	GünAz TV	TV	DVB-S	5/6		27.500		Azerbaijan
		Wide	SexySat Arabia	TV	DVB-S	5/6		27.500		Arabic
		Wide	Umut TV	TV	DVB-S	5/6		27.500		Turkish
		Wide	Omid TV	TV	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
		Wide	Radio Sedaye Mardom	radio	DVB-S	5/6		27.500		Farsi
		Wide	Voisfarsi	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
11.471	V	Wide	unknown	package	DVB-S	5/6		27.500		
		Wide	Wesal Haq	TV	DVB-S	5/6		27.500		
		Wide	Somali Cable	TV	DVB-S	5/6		27.500		Somali
		Wide	Somali National TV	TV	DVB-S	5/6		27.500		Somali
		Wide	Rûdaw Radio	radio	DVB-S	5/6		27.500		Kurdish
		Wide	Rûdaw Music	radio	DVB-S	5/6		27.500		Kurdish
11.541	V	Wide	QVC Italia	TV	DVB-S	5/6		22.000		Italian

Freq	Beam		Analog	Diff	Fec		Symbol Rate	Acces	Lang
	Wide	Simay-Azadi Iran National TV	TV	DVB-S	5/6		22.000		Farsi
	Wide	Spike Italia	TV	DVB-S	5/6		22.000	Nagravision	Italian,English
	Wide	VH1 Italia	TV	DVB-S	5/6		22.000	Nagravision	Italian
	Wide	TG Norba 24	TV	DVB-S	5/6		22.000		Italian
	Wide	Pop Italia	TV	DVB-S	5/6		22.000	Nagravision	Italian
	Wide	Radio Buon Consiglio	radio	DVB-S	5/6		22.000		Italian
	Wide	Radio Onda d'Urto	radio	DVB-S	5/6		22.000		Italian
11.566	H Wide	Globecast	package	DVB-S2	3/4		29.900		
	Wide	EuroNews English	TV	DVB-S2	3/4		29.900		English
	Wide	KTV 1	TV	DVB-S2	3/4		29.900		Arabic
	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	France 24 English	TV	DVB-S2	3/4		29.900		English
11.604	H Wide	Media Broadcast Satellite	package	DVB-S	5/6		27.500		
	Wide	Iran e Aryaee TV	TV	DVB-S	5/6		27.500		Farsi
	Wide	TV Rus	TV	DVB-S	5/6		27.500		Russian
11.623	V Wide	Globecast	package	DVB-S	3/4		27.500		
	Wide	Mezzo	TV	DVB-S	3/4		27.500	Conax/Irdeto/Nagravision/Viaccess	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	Soyuz	TV	DVB-S	3/4		27.500		Russian
	Wide	Canal Algérie	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
	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
11.681	H Wide	Bis TV	package	DVB-S2	3/4		27.500	Mediaguard/Nagravision/Viaccess	
	Wide	TF 1	TV	DVB-S2	3/4	Y	27.500	Mediaguard/Nagravision/Viaccess	French
	Wide	France 2	TV	DVB-S2	3/4		27.500	Mediaguard/Nagravision/Viaccess	French
	Wide	France 3	TV	DVB-S2	3/4	Y	27.500	Mediaguard/Nagravision/Viaccess	French
	Wide	France 5	TV	DVB-S2	3/4		27.500	Mediaguard/Nagravision/Viaccess	French
	Wide	M6	TV	DVB-S2	3/4		27.500	Viaccess	French
	Wide	ARTE Français	TV	DVB-S2	3/4		27.500		French,German
	Wide	C8	TV	DVB-S2	3/4	Y	27.500	Viaccess	French
	Wide	W9	TV	DVB-S2	3/4	Y	27.500	Viaccess	French
	Wide	TMC	TV	DVB-S2	3/4		27.500	Viaccess	French
	Wide	TFX	TV	DVB-S2	3/4	Y	27.500	Mediaguard/Nagravision/Viaccess	French
	Wide	NRJ 12	TV	DVB-S2	3/4	Y	27.500	Viaccess	French
	Wide	LCP TNT	TV	DVB-S2	3/4		27.500	Viaccess	French
	Wide	France 4	TV	DVB-S2	3/4	Y	27.500	Mediaguard/Nagravision/Viaccess	French
	Wide	C News	TV	DVB-S2	3/4		27.500	Viaccess	French
	Wide	TF 1 Séries Films	TV	DVB-S2	3/4		27.500	Viaccess	French
	Wide	L'Équipe	TV	DVB-S2	3/4		27.500	Viaccess	French
	Wide	6ter	TV	DVB-S2	3/4		27.500	Viaccess	French
	Wide	RMC Découverte	TV	DVB-S2	3/4		27.500	Viaccess	French
	Wide	Chérie 25	TV	DVB-S2	3/4		27.500	Viaccess	French
	Wide	LCI	TV	DVB-S2	3/4		27.500	Viaccess	French
11.727	V Wide	Dusk TV Europe	TV	DVB-S	3/4		27.500	Irdeto/Nagravision/Viaccess	English
	Wide	Cento X Cento TV	TV	DVB-S	3/4		27.500	Irdeto/Nagravision/Viaccess	Italian
	Wide	Zoe TV	TV	DVB-S	3/4		27.500		English
11.785	H Wide	Sky Italia	package	DVB-S2	3/4		29.900	Videoguard	
	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
	Wide	Cartoon Network Italia	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	
	Wide	Makedonia TV	TV	DVB-S2	3/4	Y	27.500	Irdeto	Greek

Freq		Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
		Wide	Mega TV	TV	DVB-S2	3/4	Y	27.500	Irdeto	Greek
		Wide	Ant1	TV	DVB-S2	3/4	Y	27.500	Irdeto	Greek
		Wide	ERT 1	TV	DVB-S2	3/4		27.500	Irdeto	Greek
		Wide	Novasports 5	TV	DVB-S2	3/4		27.500	Irdeto	Greek,English
		Wide	Disney XD Hellas	TV	DVB-S2	3/4		27.500	Irdeto	Greek,English
		Wide	MTV Hits	TV	DVB-S2	3/4		27.500	Irdeto	English
		Wide	Nova Cinema 4	TV	DVB-S2	3/4		27.500	Irdeto	Greek
		Wide	ERT 2	TV	DVB-S2	3/4		27.500	Irdeto	Greek
		Wide	Ecclesia Radio	radio	DVB-S2	3/4		27.500		Greek
		Wide	SKAI 100.3 FM	radio	DVB-S2	3/4		27.500	Irdeto	Greek
		Wide	Melodia 99.2	radio	DVB-S2	3/4		27.500	Irdeto	Greek
		Wide	Love Radio 97.5	radio	DVB-S2	3/4		27.500	Irdeto	Greek
11.843	V	Wide	Sky Italia	package	DVB-S2	3/4		29.900	Videoguard	
		Wide	Sky Sport Golf	TV	DVB-S2	3/4		29.900	Videoguard	Italian
		Wide	MTV Italia	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	Y	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	Sky TG 24	TV	DVB-S	5/6	Y	29.900	Videoguard	Italian
		Wide	Pesca	TV	DVB-S	5/6		29.900	Videoguard	Italian
		Wide	Doctor's Life Channel	TV	DVB-S	5/6		29.900	Videoguard	Italian
11.881	V	Wide	National Geographic Italia	TV	DVB-S	3/4		27.500	Videoguard	Italian
11.900	H	Wide	Sky Italia	package	DVB-S2	3/4		29.900	Videoguard	
		Wide	Sky Sport Moto GP	TV	DVB-S2	3/4		29.900	Videoguard	Italian
		Wide	Torino Channel	TV	DVB-S2	3/4		29.900	Videoguard	Italian
11.938	H	Wide	Nova	package	DVB-S2	3/4		27.500	Irdeto	
		Wide	History Europe	TV	DVB-S2	3/4		27.500	Irdeto	English
		Wide	Nova Cinema 3	TV	DVB-S2	3/4		27.500	Irdeto	Greek
		Wide	Mad Greeks	TV	DVB-S2	3/4		27.500	Irdeto	Greek
		Wide	Novasports 24 HD	TV	DVB-S2	3/4		27.500	Irdeto	Greek
		Wide	E! Europe	TV	DVB-S2	3/4		27.500	Irdeto	English
		Wide	Disney Channel Middle East	TV	DVB-S2	3/4		27.500	Irdeto	Greek,English
		Wide	Fox Life Greece	TV	DVB-S2	3/4		27.500	Irdeto	Greek
		Wide	Fox Greece	TV	DVB-S2	3/4		27.500	Irdeto	Greek
		Wide	Boomerang Central & Eastern Europe	TV	DVB-S2	3/4		27.500	Irdeto	Greek,English
		Wide	Nova Cinema 2	TV	DVB-S2	3/4		27.500	Irdeto	Greek
		Wide	Nova games	interactiv e	DVB-S2	3/4		27.500	Irdeto	
		Wide	Novascope	interactiv e	DVB-S2	3/4		27.500	Irdeto	
		Wide	Mad Radio 106.2	radio	DVB-S2	3/4		27.500	Irdeto	Greek
11.958	V	Wide	Sky Italia	package	DVB-S	3/4		27.500	Videoguard	
		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	Sky Sport Serie A	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	Dimensione Suono 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	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

Freq		Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
		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	TV 2000	TV	DVB-S2	3/4		29.900	Nagravision/Videoguard	Italian
		Wide	Sky Sport Arena	TV	DVB-S2	3/4		29.900	Videoguard	Italian
		Wide	Sky Cinema Comedy	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
12.015	H	Wide	Cyfrowy Polsat	package	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess/Videoguard/Verimatrix	
		Wide	MTV Live HD	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess/Videoguard/Verimatrix	English
12.034	V	Wide	Sky Italia	package	DVB-S	5/6		29.900	Nagravision/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	Cielo	TV	DVB-S	5/6		29.900	Nagravision/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	Disney Junior Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian
		Wide	TV 2000	TV	DVB-S	5/6		29.900	Nagravision/Videoguard	Italian
		Wide	Eurosport 2 Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian
		Wide	Radio InBlu	radio	DVB-S	5/6		29.900		Italian
12.054	H	Wide	Eurosport 1 Italia	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 Uno	TV	DVB-S	5/6		29.900	Videoguard	Italian
		Wide	Blu	TV	DVB-S	5/6		29.900		Italian
		Wide	Sky Cinema Comedy	TV	DVB-S	5/6		29.900	Videoguard	Italian
		Wide	Sky Sport Golf	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	Dove TV	TV	DVB-S	5/6		29.900	Videoguard	Italian
		Wide	Lei	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	Blaze Italia	TV	DVB-S2	3/4		29.900	Videoguard	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	
		Wide	National Geographic Ellada	TV	DVB-S2	3/4		27.500	Irdeto	Greek
		Wide	Discovery Showcase HD	TV	DVB-S2	3/4		27.500	Irdeto	English
		Wide	Novasports 2	TV	DVB-S2	3/4		27.500	Irdeto	English,Greek
		Wide	Nat Geo Wild Europe	TV	DVB-S2	3/4		27.500	Irdeto	English
		Wide	Novasports 1	TV	DVB-S2	3/4		27.500	Irdeto	English,Greek
		Wide	Nova Cinema 1	TV	DVB-S2	3/4		27.500	Irdeto	Greek
12.149	V	Wide	Watania 1	TV	DVB-S	3/4		27.500		Arabic
		Wide	CCTV 4 Europe	TV	DVB-S	3/4		27.500		Chinese
		Wide	RTV San Marino	TV	DVB-S	3/4		27.500		Italian
		Wide	CNC World English	TV	DVB-S	3/4		27.500		English
		Wide	Radio Culturelle	radio	DVB-S	3/4		27.500		Arabic
		Wide	Radio Nationale	radio	DVB-S	3/4		27.500		Arabic
		Wide	Radio Tunis Chaîne Internationale	radio	DVB-S	3/4		27.500		
		Wide	Radio Freccia	radio	DVB-S	3/4		27.500		Italian
		Wide	Radio Margherita	radio	DVB-S	3/4		27.500		Italian
		Wide	Radio Italia	radio	DVB-S	3/4		27.500		Italian
		Wide	Radio Sportiva	radio	DVB-S	3/4		27.500		Italian
		Wide	RTL 102.5 FM	radio	DVB-S	3/4		27.500		Italian
		Wide	Radio Zeta FM	radio	DVB-S	3/4		27.500		Italian

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
	Wide	Radio 24	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	
	Wide	Discovery Channel Europe	TV	DVB-S2	3/4		27.500	Irdeto	English
	Wide	Novasports Extra 2	TV	DVB-S2	3/4		27.500	Irdeto	Greek
	Wide	Novasports 4	TV	DVB-S2	3/4		27.500	Irdeto	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	Greek
	Wide	MTV Europe	TV	DVB-S2	3/4		27.500	Irdeto	Greek
	Wide	Travel Channel Europe	TV	DVB-S2	3/4		27.500	Irdeto	Greek
	Wide	Novalife	TV	DVB-S2	3/4		27.500	Irdeto	Greek
	Wide	National Geographic Ellada	TV	DVB-S2	3/4		27.500	Irdeto	Greek
	Wide	Action 24	TV	DVB-S2	3/4		27.500	Irdeto	Greek
	Wide	Nickelodeon Greece	TV	DVB-S2	3/4		27.500	Irdeto	Greek
	Wide	VH1 Europe	TV	DVB-S2	3/4		27.500	Irdeto	English
	Wide	Fox Sports Europe	TV	DVB-S2	3/4		27.500	Irdeto	English
	Wide	Real FM	radio	DVB-S2	3/4		27.500	Irdeto	Greek
	Wide	Vima FM 99.5	radio	DVB-S2	3/4		27.500	Irdeto	Greek
	Wide	Spor FM	radio	DVB-S2	3/4		27.500	Irdeto	Greek
	Wide	Sport 24 Radio 103.3	radio	DVB-S2	3/4		27.500	Irdeto	Greek
	Wide	Sto Kokkino	radio	DVB-S2	3/4		27.500	Irdeto	Greek
	Wide	Parapolitika 90.1 FM	radio	DVB-S2	3/4		27.500	Irdeto	Greek
12.188	V Wide	Cyfrowy Polsat	package	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	
	Wide	TV Okazje	TV	DVB-S2	3/4		27.500		Polish
	Wide	Disney Channel Polska	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish,English
	Wide	Muzo FM	radio	DVB-S2	3/4		27.500		Polish
	Wide	RMF Classic	radio	DVB-S2	3/4		27.500		Polish
	Wide	RMF Maxxx	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	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	Radio Farda TV	TV	DVB-S	3/4		27.500		Farsi
	Wide	VoA TV Persian	TV	DVB-S	3/4		27.500		Farsi
	Wide	Radio Svoboda Ukraina	radio	DVB-S	3/4		27.500		Ukrainian
	Wide	Radio Ozodi	radio	DVB-S	3/4		27.500		Tajik
	Wide	Radio Svaboda	radio	DVB-S	3/4		27.500		Belarussian
	Wide	Deewa Radio	radio	DVB-S	3/4		27.500		
	Wide	Azattyk Unalgysy	radio	DVB-S	3/4		27.500		
	Wide	Krym Realii	radio	DVB-S	3/4		27.500		Russian
	Wide	Radio Liberty North Caucasus	radio	DVB-S	3/4		27.500		
	Wide	Radio Slobodna Evropa	radio	DVB-S	3/4		27.500		
	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	Radio Evropa e Lirë	radio	DVB-S	3/4		27.500		Albanian
	Wide	VoA 1	radio	DVB-S	3/4		27.500		English
	Wide	Radio Slobodna Evropa Makedonija	radio	DVB-S	3/4		27.500		Macedonian
	Wide	Radio Slobodna Evropa	radio	DVB-S	3/4		27.500		
	Wide	Radio Sawa North Africa	radio	DVB-S	3/4		27.500		Arabic
	Wide	Radio Free Asia	radio	DVB-S	3/4		27.500		
	Wide	Radio Sawa Sudan	radio	DVB-S	3/4		27.500		Arabic
	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 Gulf	radio	DVB-S	3/4		27.500		Arabic
	Wide	VoA Africa Live	radio	DVB-S	3/4		27.500		English

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
12.245	H Wide	Sky Italia	package	DVB-S	5/6		29.900	Videoguard	
	Wide	Nick Jr Italia +1	TV	DVB-S	5/6		29.900	Videoguard	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
12.265	V Wide	Cyfrowy Polsat	package	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	
	Wide	Polsat Sport	TV	DVB-S2	3/4		27.500	Irdeto/Nagravision	Polish
	Wide	Crime + Investigation Polsat	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish,English
12.284	H Wide	Cyfrowy Polsat	package	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	
	Wide	HBO Polska	TV	DVB-S2	3/4	Y	27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish
	Wide	Disney Junior Türkiye & Polska	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish,English
12.322	H Wide	BBC Persian	TV	DVB-S	3/4		27.500		Farsi
	Wide	Pars TV	TV	DVB-S	3/4		27.500		Farsi
	Wide	Detski Mir	TV	DVB-S	3/4		27.500	Viaccess	Russian
	Wide	TeleKlub	TV	DVB-S	3/4		27.500	Viaccess	Russian
	Wide	Nashe Lubimoe Kino	TV	DVB-S	3/4		27.500	Viaccess	Russian
	Wide	Andisheh TV	TV	DVB-S	3/4		27.500		Farsi
12.341	V Wide	Sky Cinema Uno	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Sky Primafila 9	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Sky Uno	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 Sport Serie A	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Sky SuperCalcio	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Sky Sport Football	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
12.380	V Wide	GloboCast	package	DVB-S	3/4		27.500		
	Wide	Karbala Satellite Channel	TV	DVB-S	3/4		27.500		Arabic
	Wide	CGN TV	TV	DVB-S	3/4		27.500		Korean
	Wide	EuroNews Russskiy	TV	DVB-S	3/4		27.500		Russian
	Wide	EuroNews Magyar	TV	DVB-S	3/4		27.500		Hungarian
	Wide	Sunna TV	TV	DVB-S	3/4		27.500		Arabic
	Wide	Al Rayyan Radio	radio	DVB-S	3/4		27.500		Arabic
	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		French
	Wide	RFI Diverse 7	radio	DVB-S	3/4		27.500		
	Wide	Monte Carlo Doualiya	radio	DVB-S	3/4		27.500		Arabic
12.399	H Wide	Etisalat	package	DVB-S2	2/3		29.700		
	Wide	Sama Dubai	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	Eurosport 1 Italia	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Roma TV	TV	DVB-S2	3/4		29.900	Videoguard	Italian
12.466	V Wide	Sky Italia	package	DVB-S2	3/4		29.900	Nagravision/Viaccess/Videoguard	
	Wide	Premium Cinema	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Premium Cinema +24	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Premium Cinema Energy	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Premium Cinema Comedy	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Premium Cinema Emotion	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Premium Joi	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Premium Stories	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Premium Action	TV	DVB-S2	3/4		29.900	Videoguard	Italian
	Wide	Premium Crime	TV	DVB-S2	3/4		29.900	Videoguard	Italian
12.476	H Wide	GloboCast	package	DVB-S2	3/4		29.900		
	Wide	RT News	TV	DVB-S2	3/4		29.900		English
	Wide	RT Documentary	TV	DVB-S2	3/4		29.900		English
	Wide	Super Tennis	TV	DVB-S2	3/4		29.900		Italian

Freq	Beam		Analog	Diff	Fec		Symbl Rate	Acces	Lang
	Wide	Telepace	TV	DVB-S2	3/4		29.900		Italian
	Wide	EuroNews Italiano	TV	DVB-S2	3/4		29.900		Italian
	Wide	EuroNews Ellinika	TV	DVB-S2	3/4		29.900		Greek
	Wide	Equidia Pro 1	TV	DVB-S2	3/4		29.900	Viaccess	French,English,German
	Wide	Equidia Pro 2	TV	DVB-S2	3/4		29.900	Viaccess	French
	Wide	Radio Vaticana Telepace	radio	DVB-S2	3/4		29.900		
	Wide	Sout Al Islam	radio	DVB-S2	3/4		29.900		Arabic
12.520	V Wide	STN	package	DVB-S	5/6		27.500		
	Wide	TV Koper Capodistria	TV	DVB-S	5/6	Y	27.500		
	Wide	Ronahi TV	TV	DVB-S	5/6		27.500		Kurdish
	Wide	Med Muzik	TV	DVB-S	5/6		27.500		Kurdish
	Wide	Fadak TV	TV	DVB-S	5/6		27.500		Arabic
	Wide	Alaraby TV 2	TV	DVB-S	5/6		27.500		Arabic
	Wide	Kentron TV International	TV	DVB-S	5/6		27.500		Armenian
	Wide	Stêrk	TV	DVB-S	5/6		27.500		Kurdish
	Wide	Syria TV	TV	DVB-S	5/6		27.500		Arabic
	Wide	Somaliland National TV	TV	DVB-S	5/6		27.500		Somali
	Wide	Al Malakoot Sat	TV	DVB-S	5/6		27.500		Arabic
	Wide	Radio Capodistria	radio	DVB-S	5/6		27.500		Italian
	Wide	Radio Hargeisa	radio	DVB-S	5/6		27.500		
	Wide	Quran Radio Hargeisa	radio	DVB-S	5/6		27.500		
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/Mediaguard/Nagravision/Viaccess	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	EuroNews English	TV	DVB-S	3/4		27.500		English
	Wide	Perviy kanal Europa	TV	DVB-S	3/4		27.500		Russian
	Wide	RT Documentary	TV	DVB-S	3/4		27.500		English
	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 Horn of Africa	radio	DVB-S	3/4		27.500		
	Wide	National Prison Radio	radio	DVB-S	3/4		27.500		English
12.673	V Wide	Sky Italia	package	DVB-S	5/6		29.900	Videoguard	
	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	Fox Business	TV	DVB-S	5/6		29.900	Videoguard	English
	Wide	Sky Primafila 21	TV	DVB-S	5/6		29.900	Videoguard	Italian

EUTELSAT HOT BIRD 13C

10.719	V Wide	TVP Info	TV	DVB-S2	3/4		27.500		Polish
10.758	V Wide	Cyfrowy Polsat	package	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	
	Wide	W Polsce PL	TV	DVB-S2	3/4		27.500	Irdeto/Nagravision	Polish
	Wide	Stopklatka TV	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish
	Wide	Stars TV	TV	DVB-S2	3/4		27.500		Polish
	Wide	4 Fun TV	TV	DVB-S2	3/4		27.500		Polish
	Wide	4 Fun Gold	TV	DVB-S2	3/4		27.500		Polish
	Wide	4 Fun Dance	TV	DVB-S2	3/4		27.500		Polish
	Wide	Polo TV	TV	DVB-S2	3/4		27.500		Polish
	Wide	Eska TV Extra	TV	DVB-S2	3/4		27.500		Polish
	Wide	Eska TV	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish
	Wide	Fokus TV	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish
10.796	V Wide	Vox Music TV	TV	DVB-S2	3/4		27.500		Polish
	Wide	TVS	TV	DVB-S2	3/4		27.500		Polish
	Wide	WP TV	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Viaccess	Polish
	Wide	Eska Rock TV	TV	DVB-S2	3/4		27.500		Polish
10.834	V Wide	Sport Klub Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Viaccess	Polish
	Wide	Zest TV	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Viaccess	Polish

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
10.853	H Wide	Donna TV	TV	DVB-S2	2/3		29.900		Italian
10.873	V Wide	SNRT	package	DVB-S2	3/4		27.500		
	Wide	Athaqafia	TV	DVB-S2	3/4		27.500		Arabic
	Wide	Al Maghribia	TV	DVB-S2	3/4		27.500		Arabic
	Wide	Assadissa	TV	DVB-S2	3/4		27.500		Arabic
	Wide	Tamazight	TV	DVB-S2	3/4		27.500		Berber
	Wide	Radio Agadir	radio	DVB-S2	3/4		27.500		
	Wide	Radio Houceima	radio	DVB-S2	3/4		27.500		
	Wide	Radio Tétouan	radio	DVB-S2	3/4		27.500		
	Wide	Radio Meknes	radio	DVB-S2	3/4		27.500		
	Wide	Medi 1 Afrique	radio	DVB-S2	3/4		27.500		French
	Wide	Idaa al Watania	radio	DVB-S2	3/4		27.500		Arabic
	Wide	Radio Oujda	radio	DVB-S2	3/4		27.500		
	Wide	Chaîne Inter	radio	DVB-S2	3/4		27.500		
	Wide	Radio Casablanca	radio	DVB-S2	3/4		27.500		
	Wide	Idaa al Amazighia	radio	DVB-S2	3/4		27.500		Arabic
	Wide	Idaa al Watania	radio	DVB-S2	3/4		27.500		Arabic
	Wide	Idaa Mohammed Assadiss	radio	DVB-S2	3/4		27.500		Arabic
	Wide	Radio Dakhla	radio	DVB-S2	3/4		27.500		
	Wide	Radio Fes	radio	DVB-S2	3/4		27.500		
	Wide	Radio Laayoune	radio	DVB-S2	3/4		27.500		
	Wide	Radio Tanger	radio	DVB-S2	3/4		27.500		
10.892	H Wide	NC+	package	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	
	Wide	Motowizja	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	Polish
	Wide	TVP 4K	TV	DVB-S2	3/4		27.500	Nagravision	Polish
	Wide	Eurosport 2 North-East	TV	DVB-S2	3/4		27.500	Nagravision/Viaccess/Videoguard	Serbian,English,Czech,R ussian,Hungarian,Roman ian,Croatian,Bulgarian,T urkish
10.930	H Wide	unknown	package	DVB-S2	2/3		30.000	Conax/Irdeto/Mediaguard/Nagravisi on/Viaccess	
	Wide	Shant Premium	TV	DVB-S2	2/3		30.000	Conax	Armenian
	Wide	Shant Music	TV	DVB-S2	2/3		30.000	Conax	Armenian
	Wide	HSE 24 Italia	TV	DVB-S2	2/3		30.000		Italian
	Wide	UA TV	TV	DVB-S2	2/3		30.000		Russian
	Wide	Dorcel TV	TV	DVB-S2	2/3		30.000	Conax/Irdeto/Nagravision/Viaccess	French,English,Spanish,P olish
	Wide	RTBF La Une	TV	DVB-S2	2/3	Y	30.000	Mediaguard/Viaccess	French
	Wide	RTL TVI	TV	DVB-S2	2/3		30.000	Mediaguard/Viaccess	French
	Wide	Club RTL	TV	DVB-S2	2/3		30.000	Mediaguard/Viaccess	French
	Wide	Plug RTL	TV	DVB-S2	2/3		30.000	Mediaguard/Viaccess	French
	Wide	Classic 21	radio	DVB-S2	2/3		30.000	Mediaguard/Viaccess	French
	Wide	VivaCité Bruxelles	radio	DVB-S2	2/3		30.000	Mediaguard/Viaccess	French
	Wide	Musiq'3	radio	DVB-S2	2/3		30.000	Mediaguard/Viaccess	French
	Wide	La Première	radio	DVB-S2	2/3		30.000	Mediaguard/Viaccess	French
	Wide	Mint	radio	DVB-S2	2/3		30.000	Mediaguard/Viaccess	French
	Wide	Bel RTL	radio	DVB-S2	2/3		30.000	Mediaguard/Viaccess	French
	Wide	Radio Contact	radio	DVB-S2	2/3		30.000	Mediaguard/Viaccess	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	Italian
	Wide	Rai Movie	TV	DVB-S	2/3	Y	27.500	Nagravision	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 News 24	TV	DVB-S	2/3	Y	27.500		Italian
	Wide	Rai Radio Tutta Italiana	radio	DVB-S	2/3		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
	Wide	Rai Radio 1 Sport	radio	DVB-S	2/3		27.500		Italian
11.013	H Wide	Rai 5	TV	DVB-S2	3/4	Y	29.900	Nagravision	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	2M Monde	TV	DVB-S	3/4		27.500		Arabic

Freq	Beam		Analog	Diff	Fec	Symbo l Rate	Acces	Lang
	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	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 International	TV	DVB-S	3/4	27.500		Russian
	Wide	Chaîne 1	radio	DVB-S	3/4	27.500		Arabic
	Wide	Radio 2M	radio	DVB-S	3/4	27.500		
	Wide	Chaîne 2	radio	DVB-S	3/4	27.500		Berber
	Wide	Chaîne 3	radio	DVB-S	3/4	27.500		French
11.137	H Wide	Arqiva	package	DVB-S	3/4	27.500		
	Wide	Bloomberg TV Europe	TV	DVB-S	3/4	27.500		English
	Wide	TV 5 Monde Europe	TV	DVB-S	3/4	27.500		French
	Wide	Gala 1	TV	DVB-S	3/4	27.500		
	Wide	NHK World Japan	TV	DVB-S	3/4	27.500		English
	Wide	Manoto	TV	DVB-S	3/4	27.500		Farsi
11.179	H Wide	Telespazio	package	DVB-S	3/4	27.500		
	Wide	Alkarma TV Middle East 1	TV	DVB-S	3/4	27.500		Arabic
	Wide	TVP Polonia	TV	DVB-S	3/4	Y 27.500		Polish
	Wide	Juwelo Italia	TV	DVB-S	3/4	27.500		Italian
	Wide	CTV	TV	DVB-S	3/4	27.500		Arabic
	Wide	Marjaeyat TV Hotbird	TV	DVB-S	3/4	27.500		Farsi
	Wide	Payam-e-Afghan TV	TV	DVB-S	3/4	27.500		Farsi
	Wide	Horn Cable TV	TV	DVB-S	3/4	27.500		Somali
11.240	V Wide	Eutelsat	package	DVB-S	3/4	27.500	Conax/Cryptoworks/Irdeto/Mediaguard/Nagravision/Viaccess	
	Wide	Eurosport 2	TV	DVB-S	3/4	Y 27.500	Irdeto/Viaccess/Videoguard/Verimatrix	English
11.278	V Wide	unknown	package	DVB-S2	3/4	27.500	Conax/Cryptoworks/Irdeto/Mediaguard/Nagravision/Viaccess/Videoguard/Verimatrix	
	Wide	Canal + Now	TV	DVB-S2	3/4	27.500	Conax/Mediaguard/Nagravision	Polish
	Wide	Canal + Polska	TV	DVB-S2	3/4	Y 27.500	Conax/Mediaguard/Nagravision/Viaccess	Polish
	Wide	Canal + Sport Polska	TV	DVB-S2	3/4	27.500	Conax/Mediaguard/Nagravision/Viaccess	Polish
	Wide	MiniMini +	TV	DVB-S2	3/4	27.500	Conax/Mediaguard/Nagravision/Viaccess	Polish
11.296	H Wide	IKO MG	package	DVB-S	5/6	27.500		
	Wide	Aryen TV	TV	DVB-S	5/6	27.500		Kurdish
	Wide	CBC	TV	DVB-S	5/6	27.500		Azerbaijan
	Wide	Yemen TV	TV	DVB-S	5/6	27.500		Arabic
	Wide	Nour TV	TV	DVB-S	5/6	27.500		Arabic
	Wide	Lalish TV	TV	DVB-S	5/6	27.500		Kurdish
	Wide	Radio Sana'a	radio	DVB-S	5/6	27.500		Arabic
	Wide	Radio Eviva	radio	DVB-S	5/6	27.500		German
	Wide	Dengê Welat	radio	DVB-S	5/6	27.500		Kurdish
11.317	V Wide	MX1	package	DVB-S	3/4	27.500		
	Wide	RT News	TV	DVB-S	3/4	27.500		English
	Wide	RT Arabic	TV	DVB-S	3/4	27.500		Arabic
11.334	H Wide	Arqiva	package	DVB-S	3/4	27.500		
	Wide	SBN International	TV	DVB-S	3/4	27.500		English,Spanish
	Wide	RTP Internacional Europa	TV	DVB-S	3/4	Y 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	MTV Italia	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	DeeJay 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	

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
	Wide	Capital '70	radio	DVB-S	5/6		29.900	Videoguard	
	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	Livetime	radio	DVB-S	5/6		29.900	Videoguard	
	Wide	Rock Classic	radio	DVB-S	5/6		29.900	Videoguard	
	Wide	Relax	radio	DVB-S	5/6		29.900	Videoguard	
	Wide	Chillout Cover	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	Extrabeat	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	
	Wide	Country	radio	DVB-S	5/6		29.900	Videoguard	
11.373	H Wide	Iran International	TV	DVB-S2	3/4		27.500		Farsi
	Wide	NASA TV Public	TV	DVB-S2	3/4		27.500		English
	Wide	Rûdaw	TV	DVB-S2	3/4		27.500		Kurdish
	Wide	Waar TV	TV	DVB-S2	3/4		27.500		Kurdish
	Wide	Kurdistan 24	TV	DVB-S2	3/4		27.500		Kurdish
	Wide	Rûdaw Radio	radio	DVB-S2	3/4		27.500		Kurdish
	Wide	Rûdaw Music	radio	DVB-S2	3/4		27.500		Kurdish
11.393	V Wide	Mango	TV	DVB-S2	3/4	Y	27.500		Polish
	Wide	Nuta TV	TV	DVB-S2	3/4		27.500		Polish
	Wide	Puls 2	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	Polish
	Wide	NTL	TV	DVB-S2	3/4		27.500		Polish
	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/Nagravision/Via ccess	Polish
	Wide	Food Network EMEA	TV	DVB-S2	3/4		27.500	Conax	English,Czech,Hungarian ,Turkish,Bulgarian
	Wide	Fine Living	TV	DVB-S2	3/4		27.500	Conax	English,Czech,Hungarian ,Russian
11.411	H Wide	NC+	package	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	
	Wide	Canal + Film	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	Polish
	Wide	Canal + Family Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	Polish
	Wide	Teletoon + HD Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	Polish
	Wide	Planete + Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	Polish
	Wide	Kuchnia +	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	Polish
	Wide	Motowizja	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	Polish
	Wide	Ale Kino +	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	Polish
	Wide	Canal + Seriale	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	Polish
11.449	H Wide	Fine Living	TV	DVB-S2	3/4		27.500	Conax	English,Czech,Hungarian ,Russian
	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/Nagravision/Via ccess	
	Wide	Canal + »1	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	Polish
	Wide	Canal + Sport 2 Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	Polish
	Wide	Domo +	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Via ccess	Polish
	Wide	Polskie Radio 24	radio	DVB-S2	3/4		27.500		Polish
	Wide	Polskie Radio Jedyńka	radio	DVB-S2	3/4		27.500		Polish
	Wide	Polskie Radio Dwójka	radio	DVB-S2	3/4		27.500		Polish

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
11.526	Wide	Polskie Radio Trójka	radio	DVB-S2	3/4	27.500		Polish
	Wide	Radio Poland	radio	DVB-S2	3/4	27.500		Polish
	Wide	Radio Jasna Góra	radio	DVB-S2	3/4	27.500		Polish
	H Wide	SRG SSR	package	DVB-S2	2/3	29.700	Viaccess	
	Wide	RSI La 1	TV	DVB-S2	2/3	Y 29.700	Viaccess	Italian,English
	Wide	RSI La 2	TV	DVB-S2	2/3	Y 29.700	Viaccess	Italian,English
	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
	Wide	CGTN Español	TV	DVB-S2	5/6	27.500		Spanish
11.642	Wide	CGTN Français	TV	DVB-S2	5/6	27.500		French
	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	Sat TV promo	TV	DVB-S2	3/4	27.500		English
	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
	Wide	Glas Hrvatske	radio	DVB-S2	3/4	27.500		Croatian
11.662	V Wide	Telespazio	package	DVB-S2	3/4	27.500		
	Wide	Hustler HD Europe	TV	DVB-S2	3/4	27.500	Conax/Compunicate/Irdeto/Mediaguard/Nagravision/Prowill/Viaccess	English
	Wide	GoldBet League	TV	DVB-S2	3/4	27.500		Italian
	Wide	GoldBet Racing	TV	DVB-S2	3/4	27.500		Italian
	Wide	Padre Pio TV	TV	DVB-S2	3/4	27.500		Italian
	Wide	Tele 5	TV	DVB-S2	3/4	27.500		Polish
	Wide	Polonia 1	TV	DVB-S2	3/4	27.500		Polish
	Wide	TVR International	TV	DVB-S2	3/4	Y 27.500		Romanian
	Wide	Radio Italia TV	TV	DVB-S2	3/4	27.500		Italian
	Wide	Unire Sat	TV	DVB-S2	3/4	27.500		Italian
	Wide	Radio Italia Rap TV	TV	DVB-S2	3/4	27.500		Italian
	Wide	RDS Social TV	TV	DVB-S2	3/4	27.500		Italian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	Wide	TVA Vicenza	TV	DVB-S2	3/4	27.500		Italian
11.747	H Wide	Abu Dhabi TV Europe	TV	DVB-S2	3/4	27.500		Arabic
11.766	V Wide	RAI	package	DVB-S2	3/4	29.900	Nagravision	
	Wide	Rai 1	TV	DVB-S2	3/4	Y 29.900	Nagravision	Italian
	Wide	Rai 2	TV	DVB-S2	3/4	Y 29.900	Nagravision	Italian
	Wide	Rai 3	TV	DVB-S2	3/4	Y 29.900	Nagravision	Italian
11.804	V Wide	Rai Radio 2 Indie	radio	DVB-S	2/3	27.500		Italian
11.919	V Wide	Italia 1	TV	DVB-S	5/6	Y 29.900	Nagravision	Italian
	Wide	Rete 4	TV	DVB-S	5/6	Y 29.900	Nagravision	Italian
	Wide	Iris	TV	DVB-S	5/6	Y 29.900	Nagravision	Italian
	Wide	Boing Italia	TV	DVB-S	5/6	29.900	Nagravision	Italian
	Wide	La 5	TV	DVB-S	5/6	29.900	Nagravision	Italian
	Wide	TGCom 24	TV	DVB-S	5/6	Y 29.900		Italian
	Wide	Mediaset Extra	TV	DVB-S	5/6	29.900	Nagravision	Italian
	Wide	Italia 2	TV	DVB-S	5/6	29.900	Nagravision	Italian
	Wide	Top Crime	TV	DVB-S	5/6	Y 29.900	Nagravision	Italian
	Wide	Cartoonito Italia	TV	DVB-S	5/6	29.900	Nagravision	Italian
	Wide	Focus	TV	DVB-S	5/6	29.900	Nagravision	Italian
	Wide	La 7	TV	DVB-S	5/6	29.900	Nagravision	Italian
	Wide	La 7 d	TV	DVB-S	5/6	29.900	Nagravision	Italian
	Wide	R101	radio	DVB-S	5/6	29.900		Italian
	Wide	RMC FM	radio	DVB-S	5/6	29.900		Italian
	Wide	Virgin Radio Italia	radio	DVB-S	5/6	29.900		Italian
	Wide	Radio 105	radio	DVB-S	5/6	29.900		Italian
	Wide	Orbital 101.9 FM	radio	DVB-S	5/6	29.900		Portuguese
12.111	V Wide	Telespazio	package	DVB-S	3/4	27.500		
	Wide	RIK Sat	TV	DVB-S	3/4	27.500		Greek
	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	MTA 2	TV	DVB-S	3/4	27.500		Hindi,Urdu,English,Fren ch,German,Arabic,Benga li
	Wide	Radio Maria Italia	radio	DVB-S	3/4	27.500		Italian
	Wide	RIK Triton	radio	DVB-S	3/4	27.500		Greek
	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	Radio Radicale	radio	DVB-S	3/4	27.500		Italian
	Wide	Dimensione Suono Soft	radio	DVB-S	3/4	27.500		Italian
12.539	H Wide	FTV UHD	TV	DVB-S2	5/6	30.000		
12.558	V Wide	Telespazio	package	DVB-S	3/4	27.500		
	Wide	Hadi TV 3	TV	DVB-S	3/4	27.500		
	Wide	Dua Channel	TV	DVB-S	3/4	27.500		
	Wide	Hodhod Farsi TV	TV	DVB-S	3/4	27.500		Farsi
12.616	H Wide	Sky Italia	package	DVB-S	5/6	29.900	Nagravision/Videoguard	
	Wide	Deejay 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	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
	Wide	Mosaico Bambini	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Caccia	TV	DVB-S	5/6	29.900	Videoguard	Italian
12.635	V Wide	Sky Italia	package	DVB-S	5/6	29.900	Nagravision/Videoguard	
	Wide	Disney XD Italia +2	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Super!	TV	DVB-S	5/6	29.900	Nagravision/Videoguard	Italian

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
12.654	Wide	DeA Kids	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Cartoon Network Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian
	H Wide	Arabsat	package	DVB-S	5/6		27.500		
	Wide	Saudi TV	TV	DVB-S	5/6		27.500		Arabic
	Wide	Iqraa Arabic	TV	DVB-S	5/6		27.500		Arabic
	Wide	Sudan TV	TV	DVB-S	5/6		27.500		Arabic
	Wide	Oman TV	TV	DVB-S	5/6		27.500		Arabic
	Wide	Al Masriyah	TV	DVB-S	5/6		27.500		Arabic
	Wide	Jordan TV	TV	DVB-S	5/6		27.500		Arabic
	Wide	Quran TV	TV	DVB-S	5/6		27.500		Arabic
	Wide	Libya Al Wataniya	TV	DVB-S	5/6		27.500		Arabic
	Wide	Riyadh Radio	radio	DVB-S	5/6		27.500		Arabic
	Wide	Saudia Radio	radio	DVB-S	5/6		27.500		Arabic
	Wide	El-Quran El-Karim	radio	DVB-S	5/6		27.500		Arabic
	Wide	Sudan Radio	radio	DVB-S	5/6		27.500		Arabic
	Wide	Holy Quran Radio	radio	DVB-S	5/6		27.500		Arabic
	Wide	Radio Oman	radio	DVB-S	5/6		27.500		Arabic
	Wide	Radio Oman FM	radio	DVB-S	5/6		27.500		English
	Wide	Sout Al-Arab	radio	DVB-S	5/6		27.500		Arabic
	Wide	El-Bernameg Al-Aam	radio	DVB-S	5/6		27.500		Arabic
	Wide	Al-Shabab	radio	DVB-S	5/6		27.500		Arabic
12.692	Wide	Radio Iraqia	radio	DVB-S	5/6		27.500		Arabic
	Wide	Holy Quran Radio	radio	DVB-S	5/6		27.500		Arabic
	Wide	Radio Jordan	radio	DVB-S	5/6		27.500		Arabic
	H Wide	RTL 9	TV	DVB-S2	3/4	Y	27.500	Viaccess	French
	Wide	AB 1	TV	DVB-S2	3/4	Y	27.500	Mediaguard/Nagravision/Viaccess	French
	Wide	AB Moteurs	TV	DVB-S2	3/4	Y	27.500	Mediaguard/Nagravision/Viaccess	French,Turkish
	Wide	Animaux	TV	DVB-S2	3/4		27.500	Mediaguard/Nagravision/Viaccess	French,Turkish,English
	Wide	Chasse & Pêche	TV	DVB-S2	3/4	Y	27.500	Mediaguard/Nagravision/Viaccess	French,Turkish,Bulgarian,Russian
	Wide	Paramount Channel France	TV	DVB-S2	3/4		27.500	Nagravision/Viaccess	French
	Wide	Crime District	TV	DVB-S2	3/4		27.500	Mediaguard/Nagravision/Viaccess	French
	Wide	Trek	TV	DVB-S2	3/4	Y	27.500	Mediaguard/Nagravision/Viaccess	French,Turkish
	Wide	Toute l'Histoire	TV	DVB-S2	3/4	Y	27.500	Mediaguard/Nagravision/Viaccess	French
	Wide	Action	TV	DVB-S2	3/4	Y	27.500	Mediaguard/Nagravision/Viaccess	French
	Wide	Mangas	TV	DVB-S2	3/4	Y	27.500	Mediaguard/Nagravision/Viaccess	French
	Wide	Science & Vie TV	TV	DVB-S2	3/4	Y	27.500	Mediaguard/Nagravision/Viaccess	French,Turkish
	Wide	Téva	TV	DVB-S2	3/4		27.500	Viaccess	French
	Wide	XXL	TV	DVB-S2	3/4	Y	27.500	Irdeto/Mediaguard/Nagravision/Viaccess	French
	Wide	Golf Channel France	TV	DVB-S2	3/4		27.500	Mediaguard/Nagravision/Viaccess	French
	Wide	BFM TV	TV	DVB-S2	3/4		27.500		French
	Wide	C Star	TV	DVB-S2	3/4	Y	27.500	Mediaguard/Nagravision/Viaccess	French
12.713	Wide	Gulli	TV	DVB-S2	3/4	Y	27.500	Mediaguard/Nagravision/Viaccess	French
	Wide	Game One	TV	DVB-S2	3/4		27.500	Viaccess	French
	Wide	Equidia	TV	DVB-S2	3/4		27.500	Viaccess	French
	V Wide	Sky Italia	package	DVB-S	5/6		29.900	Videoguard	
	Wide	TeenNick Italia	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 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	Man-Ga	TV	DVB-S	5/6		29.900	Videoguard	Italian
12.731	H Wide	Sky Italia	package	DVB-S	5/6		29.900	Videoguard	
	Wide	Lei +1	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Sky Primafila 17	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Sky Primafila 16	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Sky Primafila 18	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Sky Primafila 15	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Sky Primafila 1	TV	DVB-S	5/6		29.900	Videoguard	Italian

EUTELSAT HOT BIRD 13E

10.727	H Wide	unknown	package	DVB-S2	3/4		30.000	Viaccess	
10.775	H Wide	Bartar TV	TV	DVB-S	5/6		27.500		
	Wide	Face 1 Persia	TV	DVB-S	5/6		27.500		Farsi

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
11.432	Wide	4U TV	TV	DVB-S	5/6	27.500		Farsi
	V Wide	Italia 1	TV	DVB-S2	3/4	29.900	Nagravision	Italian
	Wide	Rete 4	TV	DVB-S2	3/4	29.900	Nagravision	Italian

EUTELSAT 16A

10.721	H Europe B	OiV	package	DVB-S	3/4	27.500		
	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		Slovenian
10.762	H Europe B	DigitAlb	package	DVB-S2	3/5	30.000	Conax	
	Europe B	RTK 1 Sat	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 Komedi	TV	DVB-S2	3/5	30.000	Conax	English
	Europe B	RTSH Sat	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	Stinët	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	Channel One	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	BCTV Europe	TV	DVB-S2	3/5	30.000		Albanian
	Europe B	Alb UK	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	T	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	Film Hits	TV	DVB-S2	3/5	30.000	Conax	English
	Europe B	SuperSport 7	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	Film Aksion	TV	DVB-S2	3/5	30.000	Conax	English
	Europe B	Ora News	TV	DVB-S2	3/5	30.000	Conax	Albanian
	Europe B	MTV Live HD	TV	DVB-S2	3/5	30.000	Conax	English
	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	radio	DVB-S2	3/5	30.000		Albanian
10.804	H Europe B	DigitAlb	package	DVB-S2	2/3	29.950	Conax	
	Sub-Sahara Africa	My TV	package	DVB-S2	2/3	30.000		
	Europe B	Top Channel	TV	DVB-S2	2/3	Y 29.950	Conax	Albanian
	Europe B	TV Klan	TV	DVB-S2	2/3	29.950	Conax	Albanian
	Sub-Sahara Africa	Vision 4	TV	DVB-S2	2/3	30.000		French
	Europe B	SuperSport 5	TV	DVB-S2	2/3	29.950	Conax	Albanian
	Sub-Sahara Africa	2S TV	TV	DVB-S2	2/3	30.000		French
	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
	Sub-Sahara Africa	CRTV	TV	DVB-S2	2/3	30.000		French
	Europe B	Çufo	TV	DVB-S2	2/3	29.950	Conax	Albanian
	Sub-Sahara Africa	CRTV News	TV	DVB-S2	2/3	30.000		French
	Sub-Sahara Africa	Hadi TV 5	TV	DVB-S2	2/3	30.000		
	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
	Sub-Sahara Africa	Canal 2 English	TV	DVB-S2	2/3	30.000		English
	Sub-Sahara Africa	Label TV	TV	DVB-S2	2/3	30.000		French
	Europe B	Explorer Histori	TV	DVB-S2	2/3	29.950	Conax	Albanian

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Sub-Sahara Africa	RTB TV	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	Tele Colombe	TV	DVB-S2	2/3		30.000		French
	Europe B	Tema TV	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Sub-Sahara Africa	Arewa 24	TV	DVB-S2	2/3		30.000		Hausa
	Europe B	Eurofilm	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Sub-Sahara Africa	Burkina Info TV	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	Vision 4 RCA	TV	DVB-S2	2/3		30.000		French
	Europe B	Film Autor	TV	DVB-S2	2/3		29.950	Conax	English
	Sub-Sahara Africa	CRTV Sports and Entertainment	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	LM TV Français	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	ORTB TV	TV	DVB-S2	2/3		30.000		French
	Europe B	Film Hits	TV	DVB-S2	2/3		29.950	Conax	English
	Sub-Sahara Africa	Golfe TV Africa	TV	DVB-S2	2/3		30.000		French
	Europe B	Film Thriller	TV	DVB-S2	2/3		29.950	Conax	English
	Sub-Sahara Africa	France 24 Français	TV	DVB-S2	2/3		30.000		French
	Europe B	Film Dramë	TV	DVB-S2	2/3		29.950	Conax	English
	Sub-Sahara Africa	Asonga TV	TV	DVB-S2	2/3		30.000		Spanish
	Sub-Sahara Africa	Emirem TV	TV	DVB-S2	2/3		30.000		French
	Europe B	ABC News	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Sub-Sahara Africa	Equinoxe TV	TV	DVB-S2	2/3		30.000		French
	Europe B	Klan Plus	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Sub-Sahara Africa	Canal 2 International	TV	DVB-S2	2/3		30.000		French
	Europe B	Melody TV	TV	DVB-S2	2/3		29.950	Conax	Albanian
	Europe B	Radio Klan	radio	DVB-S2	2/3		29.950		Albanian
	Sub-Sahara Africa	ImpactTV	TV	DVB-S2	2/3		30.000		French
	Europe B	My Music Radio	radio	DVB-S2	2/3		29.950		Albanian
	Sub-Sahara Africa	Boom TV	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	Sweet FM Vision	TV	DVB-S2	2/3		30.000		French
	Europe B	Radio Travel	radio	DVB-S2	2/3		29.950		Albanian
	Sub-Sahara Africa	STV	TV	DVB-S2	2/3		30.000		French
	Europe B	NRG Radio Albania	radio	DVB-S2	2/3		29.950		Albanian
	Sub-Sahara Africa	Power TV	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	Canal 2 Movies	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	New Africa TV Hausa	TV	DVB-S2	2/3		30.000		Hausa
	Sub-Sahara Africa	Africa TV 3	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	Stad'Afric	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	Voxafrica Afrique	TV	DVB-S2	2/3		30.000		
	Sub-Sahara Africa	Eden TV	TV	DVB-S2	2/3		30.000		
	Sub-Sahara Africa	TVC Benin	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	CRTV National Radio	radio	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	Golfe FM	radio	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	RTB Radio	radio	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	Radio Immaculée Conception	radio	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	RFI Afrique	radio	DVB-S2	2/3		30.000		French

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
10.845	Sub-Sahara Africa	RFM	radio	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	Diaspora FM	radio	DVB-S2	2/3		30.000		
	Sub-Sahara Africa	Radio Biafra	radio	DVB-S2	2/3		30.000		English
	H Europe B	DigitAlb	package	DVB-S2	3/5		30.000	Conax	
	Europe B	UTV News	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	Rrokum TV	TV	DVB-S2	3/5		30.000	Conax	Albanian
	South East Africa	Canal + Séries Réunion	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	DigitAlb 15	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	DigitAlb promo	TV	DVB-S2	3/5		30.000		Albanian
	Europe B	City TV	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	Scan	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	In TV	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	Film Një HD	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	Film Dy HD	TV	DVB-S2	3/5		30.000	Conax	Albanian
	South East Africa	Zee Tamil	TV	DVB-S2	8/9		30.000	Mediaguard	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	SuperSport 4	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	Star Plus	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	Travel Channel Europe	TV	DVB-S2	3/5		30.000	Conax	English,Czech
	Europe B	TeleSport	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	Fast & FunBox HD	TV	DVB-S2	3/5		30.000	Conax	English
	H Europe B	DigitAlb	package	DVB-S2	3/5		30.000	Conax	
	Europe B	National Geographic Channel HD Europe	TV	DVB-S2	3/5		30.000	Conax	English
	South East Africa	Canal + Cinéma Réunion	TV	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Canal + Family Réunion	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	STV Folk	TV	DVB-S2	3/5		30.000	Conax	Albanian
	Europe B	Dorcel XXX	TV	DVB-S2	3/5		30.000	Conax	French
	Europe B	Stars XXX TV	TV	DVB-S2	3/5		30.000	Conax	English,French
	Europe B	24 Kitchen Srbija	TV	DVB-S2	3/5		30.000	Conax	English
	Europe B	Fox Srbija	TV	DVB-S2	3/5		30.000	Conax	Serbian
	Europe B	DTX East Europe	TV	DVB-S2	3/5		30.000	Conax	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	English
	Europe B	Klan Macedonia	TV	DVB-S2	3/5		30.000	Conax	Albanian
	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	Discovery Channel Bulgaria	TV	DVB-S2	3/5		30.000	Conax	Bulgarian
	Europe B	Discovery Showcase HD	TV	DVB-S2	3/5		30.000	Irdeto	English,Czech
	Europe B	Playboy TV Europe	TV	DVB-S2	3/5		30.000	Conax	English,French
10.928	H South East Africa	Parabole Réunion	package	DVB-S2	8/9		30.000	Mediaguard/Nagravision/Viaccess	
	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	
	South East Africa	Toonami Africa	TV	DVB-S2	8/9		30.000	Viaccess	French
	Europe B	Folx	TV	DVB-S2	3/5		30.000		German
	South East Africa	Téva	TV	DVB-S2	8/9		30.000	Viaccess	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	French
	South East Africa	TMC	TV	DVB-S2	8/9		30.000	Viaccess	French
	South East Africa	Cine + Classic	TV	DVB-S2	8/9		30.000	Viaccess	French

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Europe B	Kerrang!	TV	DVB-S2	3/5		30.000	Conax	English
	South East Africa	CNN International	TV	DVB-S2	8/9		30.000	Viaccess	English
	Europe B	Kiss TV	TV	DVB-S2	3/5		30.000	Conax	English
	South East Africa	OCS City	TV	DVB-S2	8/9		30.000	Viaccess	French
	Europe B	Magic TV	TV	DVB-S2	3/5		30.000	Conax	English
	South East Africa	BeIn Sports 2	TV	DVB-S2	8/9		30.000	Viaccess	French
	Europe B	Box Hits	TV	DVB-S2	3/5		30.000	Conax	English
	South East Africa	Cine + Famiz	TV	DVB-S2	8/9		30.000	Mediaguard/Nagravision/Viaccess	French
	Europe B	The Box Africa	TV	DVB-S2	3/5		30.000	Conax	English
	South East Africa	Cine + Émotion	TV	DVB-S2	8/9		30.000	Mediaguard/Nagravision/Viaccess	French
	Europe B	Evil Angel TV	TV	DVB-S2	3/5		30.000	Conax	English
	Europe B	Viasat Nature East	TV	DVB-S2	3/5		30.000	Conax/Irdeto	Russian,Czech,Hungarian
	South East Africa	BeIn Sports 1	TV	DVB-S2	8/9		30.000	Viaccess	French
	Europe B	Viasat Explore East	TV	DVB-S2	3/5		30.000	Conax	Russian,Turkish,Czech,Hungarian,Bulgarian
	South East Africa	RTL 9	TV	DVB-S2	8/9		30.000	Mediaguard/Nagravision/Viaccess	French
	Europe B	Viasat History HD	TV	DVB-S2	3/5		30.000	Conax	Swedish,Norwegian,Danish,Czech,Russian,Turkish,Hungarian
	South East Africa	Discovery Science France	TV	DVB-S2	8/9		30.000	Viaccess	French
	Europe B	TV Nova	TV	DVB-S2	3/5		30.000	Conax	Czech
	South East Africa	Discovery Channel France	TV	DVB-S2	8/9		30.000	Viaccess	French
	Europe B	Prima	TV	DVB-S2	3/5		30.000	Conax	Czech
	South East Africa	KTO	TV	DVB-S2	8/9		30.000	Viaccess	French
	South East Africa	TF 1	TV	DVB-S2	8/9		30.000	Viaccess	French
	South East Africa	Mangas	TV	DVB-S2	8/9		30.000	Viaccess	French
	South East Africa	LCP TNT	TV	DVB-S2	8/9		30.000	Viaccess	French
	South East Africa	BFM TV	TV	DVB-S2	8/9		30.000	Viaccess	French
	South East Africa	Star Plus UK	TV	DVB-S2	8/9		30.000	Viaccess	Hindi
	South East Africa	NRJ Réunion	radio	DVB-S2	8/9		30.000	Viaccess	French
	South East Africa	Koi FM	radio	DVB-S2	8/9		30.000	Viaccess	French
	South East Africa	Festival Radio	radio	DVB-S2	8/9		30.000	Viaccess	French
	South East Africa	Kréol FM	radio	DVB-S2	8/9		30.000	Viaccess	French
	South East Africa	RER	radio	DVB-S2	8/9		30.000	Viaccess	French
	South East Africa	Exo FM	radio	DVB-S2	8/9		30.000	Viaccess	French
	South East Africa	Radio One	radio	DVB-S2	8/9		30.000	Viaccess	French
	South East Africa	Chérie FM	radio	DVB-S2	8/9		30.000	Viaccess	French
10.972	V 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	1 TV	TV	DVB-S2	3/5		27.500	Videoguard	Macedonian
	Europe B	Travel Channel Europe	TV	DVB-S2	3/5		27.500	Videoguard	English
	Europe B	CineStar TV Premiere 1	TV	DVB-S2	3/5		27.500	Videoguard	Serbian,Croatian
	Europe B	Sport Klub Esports	TV	DVB-S2	3/5		27.500	Videoguard	Serbian
	Europe B	CineStar TV Premiere 2	TV	DVB-S2	3/5		27.500	Videoguard	Serbian,Croatian
	Europe B	Dusk TV Europe	TV	DVB-S2	3/5		27.500	Videoguard	French

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
10.977	H Europe B	DTX East Europe	TV	DVB-S2	3/5		27.500	Videoguard	English
	H Europe B	Radio Studio B	radio	DVB-S2	3/5		27.500		Serbian
	H Europe B	Hit FM Radio	radio	DVB-S2	3/5		27.500		Serbian
	H Sub-Sahara Africa	Canal 3 Benin	TV	DVB-S2	3/4		24.114		French
	H Sub-Sahara Africa	Canal 3 Cinema	TV	DVB-S2	3/4		24.114	Videoguard	French
	H Sub-Sahara Africa	TV 5 Monde Afrique	TV	DVB-S2	3/4		24.114	Videoguard	French
	H Sub-Sahara Africa	Bonferey	TV	DVB-S2	3/4		24.114	Videoguard	French
	H Sub-Sahara Africa	West Africa TV	TV	DVB-S2	3/4		24.114	Videoguard	French
	H Sub-Sahara Africa	Rifan TV	TV	DVB-S2	3/4		24.114		Hausa
	H Sub-Sahara Africa	Al-Faydatou Tidjania TV	TV	DVB-S2	3/4		24.114		French
11.002	H Sub-Sahara Africa	Alléluia World TV	TV	DVB-S2	3/4		24.114		French
	H Sub-Sahara Africa	Hope TV	TV	DVB-S2	5/6		8.333		French
	H Sub-Sahara Africa	Afric 7 TV	TV	DVB-S2	5/6		8.333		French
	H Sub-Sahara Africa	Hausa 7 TV	TV	DVB-S2	5/6		8.333		Hausa
11.004	H Sub-Sahara Africa	Miséricorde TV	TV	DVB-S2	5/6		8.333		French
	H Sub-Sahara Africa	Digitel	package	DVB-S2	5/6		8.332		
	H Sub-Sahara Africa	ABK TV	TV	DVB-S2	5/6		8.332		French
	H Sub-Sahara Africa	Divine TV	TV	DVB-S2	5/6		8.332		English
	H Sub-Sahara Africa	Zoe Channel	TV	DVB-S2	5/6		8.332		French
	H Sub-Sahara Africa	Glory Christ Channel	TV	DVB-S2	5/6		8.332		French
	H Sub-Sahara Africa	LTM TV	TV	DVB-S2	5/6		8.332		French
	H Sub-Sahara Africa	Afrique Média	TV	DVB-S2	5/6		8.332		French
	H Sub-Sahara Africa	Transformers TV	TV	DVB-S2	5/6		8.332		English
	H Sub-Sahara Africa	Revival Channel	TV	DVB-S2	5/6		8.332		French
	H Sub-Sahara Africa	Solution TV	TV	DVB-S2	5/6		8.332		French
	H Sub-Sahara Africa	Liberty TV	TV	DVB-S2	5/6		8.332		French
11.011	V Europe B	Total TV	package	DVB-S2	3/5		27.500	Videoguard	
	V Europe B	Sport Klub 1 Srbija	TV	DVB-S2	3/5	Y	27.500	Videoguard	Serbian
	V Europe B	Sport Klub 2 Srbija	TV	DVB-S2	3/5	Y	27.500	Videoguard	Serbian,Croatian,Slovenian
	V Europe B	Sport Klub 1 Crna Gora	TV	DVB-S2	3/5	Y	27.500	Videoguard	Serbian
	V Europe B	HBO Adria	TV	DVB-S2	3/5		27.500	Videoguard	Serbian,Croatian,Slovenian,English,Macedonian
	V Europe B	HBO 2 Central Europe	TV	DVB-S2	3/5		27.500	Videoguard	Serbian,Croatian,Slovenian,English,Macedonian
	V Europe B	Discovery Showcase HD	TV	DVB-S2	3/5		27.500	Videoguard	English
	V Europe B	Fox Movies Srbija	TV	DVB-S2	3/5		27.500	Videoguard	Serbian
	V Europe B	Animal Planet Europe	TV	DVB-S2	3/5		27.500	Videoguard	English
	V 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
11.024	H Sub-Sahara Africa	TV Malagasy	TV	DVB-S	5/6		3.333		
	H Sub-Sahara Africa	Radio Madagasikara	radio	DVB-S	5/6		3.333		
11.041	H Sub-Sahara Africa	Digitel	package	DVB-S2	5/6		4.167		
	H Sub-Sahara Africa	Nour TV	TV	DVB-S2	5/6		4.167		French
	H Sub-Sahara Africa	Divine TV	TV	DVB-S2	5/6		4.167		English

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
	Sub-Sahara Africa	Zoe Channel	TV	DVB-S2	5/6		4.167		French
	Sub-Sahara Africa	Capital Santé TV	TV	DVB-S2	5/6		4.167		French
11.055	V Europe B	Wau TV	TV	DVB-S2	4/5		27.500	Conax	Slovak
	Europe B	CT 1 Cechy	TV	DVB-S2	4/5	Y	27.500	Conax/Irdeto	Czech
	Europe B	CT 24	TV	DVB-S2	4/5		27.500		Czech
	Europe B	CT 2	TV	DVB-S2	4/5	Y	27.500	Conax/Irdeto	Czech
	Europe B	Prima Krimi	TV	DVB-S2	4/5	Y	27.500	Conax/Irdeto	Czech
	Europe B	CT :D	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech
	Europe B	CT art	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech
	Europe B	CT Sport	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech
	Europe B	Prima Cool	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech
	Europe B	Prima Love	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech
	Europe B	Prima Max	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech
11.069	H Europe A	unknown	package	DVB-S2	3/5		.375		
	Europe A	Radio 538	radio	DVB-S	2/3		.355		Dutch
	Europe A	Radio 10	radio	DVB-S	2/3		.355		Dutch
	Europe A	Sky Radio	radio	DVB-S2	3/5		.375		Dutch
	Europe A	Radio Veronica	radio	DVB-S2	3/5		.375		Dutch
11.070	H Europe A	Slam!	radio	DVB-S	1/2		.274		Dutch
	Europe A	100% NL	radio	DVB-S	1/2		.274		Dutch
11.071	H Europe A	BNR Nieuwsradio	radio	DVB-S	1/2		.334		Dutch
11.094	V Europe B	Eurosport 2	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech,English
	Europe B	CBS Reality Europe	TV	DVB-S2	4/5		27.500	Irdeto	Czech
	Europe B	Viasat Explore East	TV	DVB-S2	4/5		27.500	Irdeto	Czech
	Europe B	Timeless Drama Channel	TV	DVB-S2	4/5		27.500	Conax	Turkish,Arabic
	Europe B	Viasat History	TV	DVB-S2	4/5		27.500	Irdeto	Czech
	Europe B	Nova Gold	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Kino Svet	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	Disney Channel Hungary & Czechia	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech,English,Hungarian
	Europe B	Film + Czechia	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech
	Europe B	HBO 2 Central Europe	TV	DVB-S2	4/5		27.500	Conax	Czech,Hungarian
	Europe B	HBO 3 Central Europe	TV	DVB-S2	4/5		27.500	Conax	Czech,Hungarian
	Europe B	HBO Czechia	TV	DVB-S2	4/5		27.500	Conax	Czech
	Europe B	Joj Cinema	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech
	Europe B	National Geographic Hungary & Czechia	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech,English,Hungarian
	Europe B	Rik	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Slovak
	Europe B	Spektrum International	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech,Hungarian
	Europe B	Sport 2 Czechia	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech,Slovak
	Europe B	JimJam Europe	TV	DVB-S2	4/5		27.500	Conax/Irdeto/Videoguard	Czech,English,Hungarian
	Europe B	Spektrum Home Czech	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech
	Europe B	AXN Czech Republic	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech,English
	Europe B	TV Paprika Czech Republic	TV	DVB-S2	4/5		27.500	Conax/Irdeto	Czech
11.131	V Europe B	Intact Media Group	package	DVB-S2	2/3		16.593	Conax	
	Europe B	Antena Stars	TV	DVB-S2	2/3	Y	16.593	Conax	Romanian
	Europe B	Antena 3	TV	DVB-S2	2/3	Y	16.593	Conax	Romanian
	Europe B	Happy Channel	TV	DVB-S2	2/3	Y	16.593	Conax	Romanian
	Europe B	Zu TV	TV	DVB-S2	2/3	Y	16.593	Conax	Romanian
	Europe B	Antena International	TV	DVB-S2	2/3		16.593	Conax	Romanian
	Europe B	Antena 1	TV	DVB-S2	2/3		16.593	Conax	Romanian
	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	package	DVB-S2	2/3		13.268	Irdeto/Videoguard	
	Europe A	Pink Thriller	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	Europe A	Pink Crime & Mystery	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	Europe A	Pink Romance	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	Europe A	Pink Sci-Fi & Fantasy	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	Europe A	Pink Reality	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	Europe A	Pink Premium	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	Europe A	Pink Soap	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	Europe A	Pink World	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	Europe A	Pink Zabava	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian

Freq	Beam		Analog	Diff	Fec		Symbl Rate	Acces	Lang
11.178	V Europe A	Pink Pedia	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	V Europe A	Pink Hits 2	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	V Europe A	Pink Koncert	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	V Europe A	Pink Folk 1	TV	DVB-S2	2/3		13.268		Serbian
	V Europe A	Pink Comedy	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	V Europe A	Pink n Roll	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	V Europe A	Pink Horror	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	V Europe A	Pink Folk 2	TV	DVB-S2	2/3		13.268	Irdeto/Videoguard	Serbian
	V Europe B	Total TV	package	DVB-S2	3/5		30.000	Irdeto/Videoguard	
	V Europe B	Pink Plus	TV	DVB-S2	3/5	Y	30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Extra	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Srbija	TV	DVB-S2	3/5	Y	30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Action	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Movies	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Film	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Music	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink 3 Info	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Family	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Fashion	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Music 2	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Hits	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	CityPlay	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Western	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Classic	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Style	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Bravo Music	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Serije	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink World Cinema	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Show	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Kuvar	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Super Kids	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Ha Ha	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Media BH	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Lol	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Media M	TV	DVB-S2	3/5		30.000	Irdeto/Videoguard	Serbian
	V Europe B	Pink Radio	radio	DVB-S2	3/5		30.000		Serbian
	V Europe B	Welcome To Fun Radio	radio	DVB-S2	3/5		30.000		Serbian
11.221	H Europe A	Planet TV	TV	DVB-S2	3/5		30.000	Videoguard	Slovenian
	H Europe A	Golica TV	TV	DVB-S2	3/5		30.000	Videoguard	Slovenian
	H Europe A	Brainz TV	TV	DVB-S2	3/5		30.000	Videoguard	Serbian
	H Europe A	Oto	TV	DVB-S2	3/5	Y	30.000	Videoguard	Slovenian
	H Europe A	Sport Klub HD	TV	DVB-S2	3/5		30.000	Videoguard	Serbian,Croatian,Slovenian
	H Europe A	N1 Srbija	TV	DVB-S2	3/5		30.000	Videoguard	Serbian
	H Europe A	Fox Srbija	TV	DVB-S2	3/5		30.000	Videoguard	Serbian
	H Europe A	Fox Life Srbija	TV	DVB-S2	3/5		30.000	Videoguard	Serbian
	H Europe A	Cinemax 2 Central Europe	TV	DVB-S2	3/5		30.000	Videoguard	Serbian,Croatian,Slovenian
	H Europe A	Kanal 77	radio	DVB-S2	3/5		30.000		Macedonian
11.231	V Europe A	Total TV	package	DVB-S2	4/5		42.000	Conax/Nagravision/Videoguard	
	V Europe A	TV 1	TV	DVB-S2	4/5	Y	42.000	Videoguard	Bosnian
	V Europe A	Sport Klub 3	TV	DVB-S2	4/5		42.000	Videoguard	Slovenian
	V Europe A	Animal Planet Europe	TV	DVB-S2	4/5		42.000	Videoguard	English
	V Europe A	Investigation Discovery Xtra	TV	DVB-S2	4/5		42.000	Videoguard	English
	V Europe A	E! Europe	TV	DVB-S2	4/5		42.000	Videoguard	English
	V Europe A	TLC Balkan	TV	DVB-S2	4/5		42.000	Videoguard	English
	V Europe A	National Geographic Channel HD Europe	TV	DVB-S2	4/5		42.000	Videoguard	English
	V Europe A	Fox Movies Slovenija	TV	DVB-S2	4/5		42.000	Videoguard	Slovenian
	V Europe A	24 Kitchen Srbija	TV	DVB-S2	4/5		42.000	Conax/Videoguard	Serbian
	V Europe A	Cinemax Central Europe	TV	DVB-S2	4/5		42.000	Videoguard	Serbian,Croatian,Slovenian
	V Europe A	CineStar TV Srbija	TV	DVB-S2	4/5		42.000	Videoguard	Serbian
	V Europe A	CineStar TV Action Srbija	TV	DVB-S2	4/5		42.000	Videoguard	Serbian
	V Europe A	AXN Adria	TV	DVB-S2	4/5		42.000	Videoguard	English
	V Europe A	Brazzers TV Europe	TV	DVB-S2	4/5		42.000	Nagravision/Videoguard	English

Freq		Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
		Europe A	Dorcel TV	TV	DVB-S2	4/5		42.000	Nagravision/Videoguard	French
		Europe A	Arena Sport 3	TV	DVB-S2	4/5		42.000	Videoguard	Serbian
		Europe A	Disney Channel Polska	TV	DVB-S2	4/5		42.000	Videoguard	English
		Europe A	Sport TV 1	TV	DVB-S2	4/5		42.000	Videoguard	Slovenian
		Europe A	Prva Kick	TV	DVB-S2	4/5		42.000	Videoguard	Serbian
		Europe A	Epic Drama	TV	DVB-S2	4/5		42.000	Nagravision/Videoguard	
		Europe A	Pink Reality	TV	DVB-S2	4/5		42.000	Videoguard	Serbian
		Europe A	Vavoom	TV	DVB-S2	4/5		42.000	Videoguard	Serbian,Croatian,Slovenian,Macedonian,Albanian
		Europe A	Pikaboo	TV	DVB-S2	4/5		42.000	Videoguard	Croatian,Slovenian
		Europe A	Play	radio	DVB-S2	4/5		42.000		Serbian
		Europe A	Happy	TV	DVB-S2	4/5	Y	42.000	Videoguard	Serbian
11.262	H	Europe B	Radio Curak	radio	DVB-S2	2/3		30.000		Croatian
		Europe B	Radio Fles	radio	DVB-S2	2/3		30.000		Serbian
11.283	V	Europe B	unknown	package	DVB-S2	2/3		30.000	Conax/Videoguard	
		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 Extra HD Adria	TV	DVB-S2	2/3		30.000	Conax/Videoguard	English
		Europe B	DocuBox HD	TV	DVB-S2	2/3		30.000	Conax/Videoguard	English,Russian
		Europe B	Fast & FunBox HD	TV	DVB-S2	2/3		30.000	Conax/Videoguard	English,Russian,Turkish
		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 Extra HD Czechia & Hungary	TV	DVB-S2	2/3		30.000	Conax	Czech,Hungarian
		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	English,Hungarian
		Europe B	FilmBox Baltic	TV	DVB-S2	2/3		30.000	Conax	Russian
		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	Ultra	TV	DVB-S2	2/3		30.000	Conax	Serbian
		Europe B	Mini Ultra	TV	DVB-S2	2/3		30.000	Conax	Serbian
11.303	H	Europe A	Aljazeera Balkans	TV	DVB-S2	2/3		30.000		Bosnian
		Europe A	Eurochannel	TV	DVB-S2	2/3		30.000	Viaccess	Polish,Russian
		Europe A	Yu Planet TV	TV	DVB-S2	2/3		30.000		Serbian
		Europe A	OBN	TV	DVB-S2	2/3	Y	30.000		Bosnian
		Europe A	Pro TV International	TV	DVB-S2	2/3		30.000		Romanian
		Europe A	Fashion TV HD Europe	TV	DVB-S2	2/3		30.000		
		Europe A	Nezavisni Radio Studio 99	radio	DVB-S2	2/3		30.000		Bosnian
		Europe A	Radio Marija Srbija	radio	DVB-S2	2/3		30.000		Croatian
		Europe A	Mária Rádió Szerbia	radio	DVB-S2	2/3		30.000		Hungarian
		Europe A	Radio Maria Romania	radio	DVB-S2	2/3		30.000		Romanian
		Europe A	Mária Rádió Erdély	radio	DVB-S2	2/3		30.000		Hungarian
		Europe A	Radio Maria Albania	radio	DVB-S2	2/3		30.000		Albanian
		Europe A	Radio Marija Bosna i Hercegovina	radio	DVB-S2	2/3		30.000		Croatian
		Europe A	Mária Rádió	radio	DVB-S2	2/3		30.000		Hungarian
11.324	V	Europe B	Orange TV	package	DVB-S2	2/3		30.000	Conax/Irdeto	
		Europe B	TV Markíza	TV	DVB-S2	2/3		30.000	Conax/Irdeto	Slovak
		Europe B	TV Joj	TV	DVB-S2	2/3	Y	30.000	Conax/Irdeto	Slovak
		Europe B	TV Doma	TV	DVB-S2	2/3		30.000	Conax/Irdeto	Slovak
		Europe B	Plus	TV	DVB-S2	2/3		30.000	Conax/Irdeto	Slovak
		Europe B	Dajto	TV	DVB-S2	2/3	Y	30.000	Conax/Irdeto	Slovak
		Europe B	Nova International	TV	DVB-S2	2/3		30.000	Conax/Irdeto	Czech
		Europe B	Óčko	TV	DVB-S2	2/3		30.000	Conax/Irdeto	Czech
		Europe B	Orange Sport 2	TV	DVB-S2	2/3		30.000	Irdeto	Slovak
		Europe B	Slágr TV	TV	DVB-S2	2/3		30.000	Conax/Irdeto	Czech
11.345	H	Europe B	STN	package	DVB-S	3/4		30.000		
		Europe B	OTV Valentino	TV	DVB-S	3/4		30.000		Bosnian
		Europe B	TV Duga +	TV	DVB-S	3/4		30.000		Serbian
		Europe B	K CN Svet + 3	TV	DVB-S	3/4		30.000		Serbian
		Europe B	K CN 1	TV	DVB-S	3/4		30.000		Serbian

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
11.356	Europe B	K CN Music 2	TV	DVB-S	3/4		30.000		Serbian
	Europe B	Radio 1 Krvavec	radio	DVB-S	3/4		30.000		Slovenian
	Europe B	Radio Ognjisce	radio	DVB-S	3/4		30.000		Slovenian
	Europe B	Radio Valentino	radio	DVB-S	3/4		30.000		Bosnian
	H Sub-Sahara Africa	unknown	package	DVB-S2	3/4		45.000		
	Sub-Sahara Africa	RTS 1	TV	DVB-S2	3/4		45.000		French
	Sub-Sahara Africa	Télé Tchad	TV	DVB-S2	3/4		45.000		French
	Sub-Sahara Africa	Equinoxe TV	TV	DVB-S2	3/4		45.000		French
	Sub-Sahara Africa	Alwilayah TV Hausa	TV	DVB-S2	3/4		45.000		Hausa
	Sub-Sahara Africa	B6 TV	TV	DVB-S2	3/4		45.000		Hausa
	Sub-Sahara Africa	24 Hausa TV	TV	DVB-S2	3/4		45.000		Hausa
	Sub-Sahara Africa	Sikka TV	TV	DVB-S2	3/4		45.000		French
	Sub-Sahara Africa	Nina sat	TV	DVB-S2	3/4		45.000		French
	Sub-Sahara Africa	Radio Tchad	radio	DVB-S2	3/4		45.000		French
11.366	V Europe A	Orange TV	package	DVB-S2	2/3		30.000	Conax/Irdeto	
	Europe A	Wau TV	TV	DVB-S2	2/3		30.000	Conax/Irdeto	Slovak
	Europe A	Senzi	TV	DVB-S2	2/3		30.000	Conax/Irdeto	Slovak
	Europe A	TV Lux	TV	DVB-S2	2/3		30.000	Conax/Irdeto	Slovak
	Europe A	AMC Central Europe	TV	DVB-S2	2/3		30.000	Conax/Irdeto	Czech
	Europe A	HBO 2 Central Europe	TV	DVB-S2	2/3		30.000	Irdeto	Czech,English,Hungarian
	Europe A	HBO 3 Central Europe	TV	DVB-S2	2/3		30.000	Irdeto	Czech,English,Hungarian
	Europe A	HBO Czechia	TV	DVB-S2	2/3		30.000	Irdeto	Czech,English,Hungarian
	Europe A	Discovery Channel Central Europe	TV	DVB-S2	2/3		30.000	Conax/Irdeto	Czech,English,Hungarian
	Europe A	The Fishing & Hunting Channel	TV	DVB-S2	2/3		30.000	Irdeto	Czech,Hungarian
	Europe A	Golf Channel Czechia	TV	DVB-S2	2/3		30.000	Irdeto	Czech
	Europe A	Extasy TV	TV	DVB-S2	2/3		30.000	Irdeto	Czech
	Europe A	Investigation Discovery Xtra	TV	DVB-S2	2/3		30.000	Irdeto	Czech,English,Hungarian
	Europe A	Prima Plus	TV	DVB-S2	2/3		30.000	Irdeto	Czech
11.387	H Europe B	Arena Sport 1 BiH	TV	DVB-S2	3/5		30.000	Videoguard	Serbian
	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	Y	30.000	Videoguard	Slovenian
	Europe B	Kino	TV	DVB-S2	3/5		30.000	Videoguard	Slovenian
	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	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	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	CineStar TV Comedy	TV	DVB-S2	3/5		30.000	Videoguard	Croatian
11.400	V Europe B	Tring Digital	package	DVB-S2	3/4		13.846	Conax	
	Europe B	Elrodi TV	TV	DVB-S2	3/4		13.846	Conax	Albanian
	Europe B	Luxe TV	TV	DVB-S2	3/4		13.846	Conax	
	Europe B	TV Shenja	TV	DVB-S2	3/4		13.846	Conax	Albanian
	Europe B	National Geographic Srbija	TV	DVB-S2	3/4		13.846	Conax	English
	Europe B	Click	TV	DVB-S2	3/4		13.846	Conax	Albanian
	Europe B	Club TV	TV	DVB-S2	3/4		13.846	Conax	Albanian
	Europe B	RTSH Sat	TV	DVB-S2	3/4		13.846		Albanian
	Europe B	RTV 21 Popullore	TV	DVB-S2	3/4		13.846	Conax	Albanian
	Europe B	RTK 1	TV	DVB-S2	3/4		13.846		Albanian
	Europe B	TNT	TV	DVB-S2	3/4		13.846	Conax	Albanian
	Europe B	Tring International	TV	DVB-S2	3/4		13.846	Conax	Albanian
	Europe B	Fox Life Srbija	TV	DVB-S2	3/4		13.846	Conax	Serbian
	Europe B	Fox Crime Srbija	TV	DVB-S2	3/4		13.846	Conax	Serbian
	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

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
11.427	V Europe B	Fox Srbija	TV	DVB-S2	3/4		13.846	Conax	Serbian
	V Europe B	TV 21 Macedonia	TV	DVB-S2	3/4		13.846	Conax	Macedonian
	V Europe B	Mediaset Italia	TV	DVB-S2	3/4		13.846	Conax	Italian
	V Europe B	Club FM	radio	DVB-S2	3/4		13.846		Albanian
	V Europe B	Tring Super	TV	DVB-S2	2/3		27.500	Conax	Albanian
	V Europe B	RTV 21 Sat	TV	DVB-S2	2/3		27.500	Conax	Albanian
	V Europe B	Klan Kosova	TV	DVB-S2	2/3		27.500	Conax	Albanian
	V Europe B	Jolly HD	TV	DVB-S2	2/3		27.500	Conax	Albanian
	V Europe B	BBF Music TV	TV	DVB-S2	2/3		27.500	Conax	Albanian
	V Europe B	Tring History	TV	DVB-S2	2/3		27.500	Conax	Albanian
11.470	V Europe B	Fax News	TV	DVB-S2	2/3		27.500		Albanian
	V Europe B	Muse	TV	DVB-S2	2/3		27.500	Conax	Albanian
	V Europe B	Diema Family	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	Investigation Discovery Europe	TV	DVB-S2	5/6		30.000	Conax	Bulgarian,English
	V Europe B	National Geographic Bulgaria	TV	DVB-S2	5/6		30.000	Conax	Bulgarian,English
	V Europe B	Planeta HD	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	TV Evropa	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	Eurosport 2 North-East	TV	DVB-S2	5/6		30.000	Conax	English,Bulgarian
	V Europe B	Planeta Folk	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	Discovery Channel Bulgaria	TV	DVB-S2	5/6		30.000	Conax	Bulgarian,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	Fox Bulgaria	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	Food Network EMEA	TV	DVB-S2	5/6		30.000	Conax	English
	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	Esports TV	TV	DVB-S2	5/6		30.000	Conax	English
	V Europe B	Bulgaria 24	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	Eurosport 1	TV	DVB-S2	5/6		30.000	Conax	English,Bulgarian
	V Europe B	TLC Balkan	TV	DVB-S2	5/6		30.000	Conax	English
	V Europe B	Boomerang Central & Eastern Europe	TV	DVB-S2	5/6		30.000	Conax	English
	V Europe B	Nickelodeon Europe	TV	DVB-S2	5/6		30.000	Conax	Croatian
	V Europe B	Investigation Discovery Europe	TV	DVB-S2	5/6		30.000	Conax	English
	V Europe B	Nickelodeon Europe	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	V Europe B	Fine Living	TV	DVB-S2	5/6		30.000	Irdeto	Czech
	V Europe B	Duck TV SD	TV	DVB-S2	5/6		30.000	Irdeto	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/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	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	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	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	French
	V Europe B	BHT 1	TV	DVB-S2	3/4	Y	30.000	Videoguard	Bosnian
	South East Africa	Kolo TV	TV	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	C8	TV	DVB-S2	8/9		30.000	Mediaguard	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	French
	V Europe B	TVCG 1	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	South East Africa	Télé Kréol	TV	DVB-S2	8/9		30.000	Mediaguard/Nagravision/Viaccess	
	V Europe B	TVCG 2	TV	DVB-S2	3/4		30.000	Videoguard	Serbian

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
	South East Africa	Kanal Austral	TV	DVB-S2	8/9		30.000	Mediaguard	French
	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	French
	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	French
	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	French
	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	French
	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	French
	Europe B	Sport Klub 1 Hrvatska	TV	DVB-S2	3/4		30.000	Videoguard	Croatian
	South East Africa	Ma TV	TV	DVB-S2	8/9		30.000	Mediaguard	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	French
	Europe B	Discovery Channel Srbija	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	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	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	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	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	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	French
	Europe B	Sport Klub 1 Srbija	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	South East Africa	BeIn Sports 2	TV	DVB-S2	8/9		30.000	Mediaguard	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	Hindi
	South East Africa	MBC Sat	TV	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	MTV India	TV	DVB-S2	8/9		30.000	Mediaguard	English
	South East Africa	Free Dom 1	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Jazz Radio	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	RFM	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Europe 1	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	RMC	radio	DVB-S2	8/9		30.000	Mediaguard	French
11.512	H Europe B	Max TV	package	DVB-S2	3/4		30.000	Conax/Nagravision/Videoguard	
	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/Nagravision/Viaccess	
	Europe B	TVR 2	TV	DVB-S2	2/3	Y	29.950	Conax	Romanian
	Europe B	TVR 3	TV	DVB-S2	2/3	Y	29.950	Conax	Romanian
	South East Africa	Voyage	TV	DVB-S2	8/9		30.000	Mediaguard/Nagravision/Viaccess	French
	Europe B	TVR Moldova	TV	DVB-S2	2/3		29.950	Conax	Romanian
	South East Africa	OCS max	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	TVR International	TV	DVB-S2	2/3	Y	29.950		Romanian
	Europe B	National Geographic Hrvatska	TV	DVB-S2	3/4		30.000	Conax/Nagravision	Croatian

Freq	Beam		Analog	Diff	Fec		Sym bol Rate	Acces	Lang
	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	French
	Europe B	TVR Craiova	TV	DVB-S2	2/3	Y	29.950		Romanian
	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	French
	Europe B	TVR Timisoara	TV	DVB-S2	2/3	Y	29.950		Romanian
	Europe B	BBC Earth Romania	TV	DVB-S2	3/4		30.000	Nagravision	English
	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	French
	Europe B	TVR HD	TV	DVB-S2	2/3		29.950	Conax	Romanian
	Europe B	CineStar TV Premiere 1	TV	DVB-S2	3/4		30.000	Conax/Nagravision	Croatian
	Europe B	Radio România Actualitati	radio	DVB-S2	2/3		29.950		Romanian
	South East Africa	C News	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Radio România Cultural	radio	DVB-S2	2/3		29.950		Romanian
	Europe B	CineStar TV Fantasy	TV	DVB-S2	3/4		30.000	Conax/Nagravision/Videoguard	Croatian
	Europe B	Radio România Muzical	radio	DVB-S2	2/3		29.950		Romanian
	South East Africa	L'Équipe	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Radio România Antena Satelor	radio	DVB-S2	2/3		29.950		Romanian
	Europe B	Nickelodeon Europe	TV	DVB-S2	3/4		30.000	Nagravision/Videoguard	Croatian
	Europe B	Radio România International 1	radio	DVB-S2	2/3		29.950		Romanian
	South East Africa	13ème Rue	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Radio România International 2	radio	DVB-S2	2/3		29.950		Romanian
	Europe B	Vavoom	TV	DVB-S2	3/4		30.000	Conax/Nagravision	Croatian
	Europe B	Radio România International 3	radio	DVB-S2	2/3		29.950		Romanian
	South East Africa	Seasons	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Boomerang Central & Eastern Europe	TV	DVB-S2	3/4		30.000	Nagravision	English
	South East Africa	Trace Urban	TV	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Disney Channel France	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Cartoon Network Russia & South East Europe	TV	DVB-S2	3/4		30.000	Conax/Nagravision	English
	South East Africa	Paris Première	TV	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Planète + A&E	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Fox Life Hrvatska	TV	DVB-S2	3/4		30.000	Conax/Nagravision	Croatian
	South East Africa	Mezzo	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Fox Crime Hrvatska	TV	DVB-S2	3/4		30.000	Conax/Nagravision	Croatian
	South East Africa	French Lover TV	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	HNTV	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	South East Africa	Planète + Thalassa	TV	DVB-S2	8/9		30.000	Mediaguard/Nagravision/Viaccess	French
	Europe B	Nick Jr Europe	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	South East Africa	EuroNews Français	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Sport Klub 2 Srbija	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	South East Africa	Foot + Réunion	TV	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	MTV France	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Sport Klub Start	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	South East Africa	Piwi +	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Arena Sport 3 Hrvatska	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	South East Africa	Libido TV	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Arena Sport 4 Hrvatska	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	South East Africa	Cuisine +	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Sport Klub 3	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	South East Africa	Action	TV	DVB-S2	8/9		30.000	Mediaguard	French

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	South East Africa	Equidia	TV	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Zee Cinema Africa	TV	DVB-S2	8/9		30.000	Mediaguard	Hindi
	South East Africa	Exo FM	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	RMJ	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	ACEEM Radio	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	BFM Business Radio	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Latina	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Radio Nova	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Skyrock	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Voltage	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Alliance FM 92	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Ma FM	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	NRJ Réunion	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Nostalgie Réunion	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Fun Radio Réunion	radio	DVB-S2	8/9		30.000	Mediaguard	French
11.554	V Europe B	A1 Croatia	package	DVB-S2	5/6		30.000	Conax/Nagravision/Videoguard	
	Europe B	Total TV	package	DVB-S2	3/4		30.000	Conax/Nagravision/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/Nagravision/Viaccess	
	South East Africa	Réunion 1ère	TV	DVB-S2	5/6		30.000	Mediaguard/Nagravision/Viaccess	French
	Europe B	Viasat Explore East	TV	DVB-S2	5/6		30.000	Conax	English,Bulgarian
	Europe B	Viasat History	TV	DVB-S2	5/6		30.000	Conax	English
	South East Africa	Mayotte 1ère	TV	DVB-S2	5/6		30.000	Mediaguard/Nagravision/Viaccess	French
	Europe B	TV 1000 Balkan	TV	DVB-S2	5/6		30.000	Conax	English
	Europe B	Balkanika Music TV	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Pink 2	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	Europe B	Doku TV	TV	DVB-S2	5/6		30.000	Conax	Croatian
	South East Africa	France 24 Français	TV	DVB-S2	5/6		30.000		French
	Europe B	O2 TV	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
	South East Africa	France 2	TV	DVB-S2	5/6		30.000	Mediaguard/Nagravision/Viaccess	French
	Europe B	Hustler HD Europe	TV	DVB-S2	5/6		30.000	Conax	English
	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/Nagravision/Viaccess	French
	Europe B	Hustler TV Europe	TV	DVB-S2	5/6		30.000	Conax/Nagravision/Videoguard	English
	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	TV Slovenija 1	TV	DVB-S2	3/4	Y	30.000	Videoguard	Slovenian
	Europe B	CBS Reality Europe	TV	DVB-S2	5/6		30.000	Conax/Nagravision/Videoguard	English
	South East Africa	France 4	TV	DVB-S2	5/6		30.000	Mediaguard/Nagravision/Viaccess	French
	Europe B	TV Slovenija 2	TV	DVB-S2	3/4	Y	30.000	Videoguard	Slovenian
	South East Africa	France 5	TV	DVB-S2	5/6		30.000	Mediaguard/Nagravision/Viaccess	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/Nagravision/Viaccess	French
	Europe B	Arena Sport 1	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	Europe B	Sport Klub 3	TV	DVB-S2	5/6		30.000	Conax	Croatian
	Europe B	CineStar TV Action Hrvatska	TV	DVB-S2	5/6		30.000	Conax/Nagravision/Videoguard	Croatian
	South East Africa	France Ô	TV	DVB-S2	5/6		30.000	Mediaguard/Nagravision/Viaccess	French

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
	Europe B	Arena Sport 2	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	Europe B	Federalna TV	TV	DVB-S2	5/6		30.000	Conax	Bosnian
	Europe B	PlanetSport 1	TV	DVB-S2	5/6		30.000	Conax	Croatian
	Europe B	CineStar TV Hrvatska	TV	DVB-S2	5/6		30.000	Conax	Croatian
	South East Africa	Outre-mer 1ère	radio	DVB-S2	5/6		30.000	Viaccess	French
	Europe B	Sport Klub Golf	TV	DVB-S2	3/4		30.000	Videoguard	Serbian,Croatian,Slovenian
	Europe B	PlanetSport 2	TV	DVB-S2	5/6		30.000	Conax	Croatian
	South East Africa	Réunion 1ère Radio	radio	DVB-S2	5/6		30.000		French
	Europe B	Kino TV	TV	DVB-S2	5/6		30.000	Conax/Nagravision	Croatian
	Europe B	Prva World	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	South East Africa	Mayotte 1ère Radio	radio	DVB-S2	5/6		30.000		French
	Europe B	PlanetSport 3	TV	DVB-S2	5/6		30.000	Conax	Croatian
	South East Africa	Mouv'	radio	DVB-S2	5/6		30.000		French
	Europe B	Cinemanía	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	Europe B	Mediaset Italia	TV	DVB-S2	5/6		30.000	Conax	Italian
	South East Africa	Radio France Internationale	radio	DVB-S2	5/6		30.000		French
	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
	Europe B	N1 Bosna i Hercegovina	TV	DVB-S2	3/4		30.000	Videoguard	Bosnian
	Europe B	Fight Channel World	TV	DVB-S2	5/6		30.000	Conax	English
	South East Africa	France Culture	radio	DVB-S2	5/6		30.000		French
	Europe B	N1 Hrvatska	TV	DVB-S2	3/4		30.000	Conax/Nagravision/Videoguard	Croatian
	South East Africa	France Inter	radio	DVB-S2	5/6		30.000		French
	Europe B	Fox Srbija	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	Europe B	E! Europe	TV	DVB-S2	5/6		30.000	Conax/Nagravision	English
	South East Africa	France Musique	radio	DVB-S2	5/6		30.000		French
	Europe B	CineStar TV Premiere 2	TV	DVB-S2	5/6		30.000	Conax	Croatian
	Europe B	Fox Crime Srbija	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	Europe B	Scifi Polska	TV	DVB-S2	5/6		30.000	Conax	English
	Europe B	CineStar TV Premiere 1	TV	DVB-S2	5/6		30.000	Conax	Croatian
	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	24 Kitchen Srbija	TV	DVB-S2	3/4		30.000	Videoguard	Serbian
	Europe B	AXN Central Europe	TV	DVB-S2	5/6		30.000	Conax	English
	Europe B	Woman	TV	DVB-S2	5/6		30.000	Conax	Croatian
	South East Africa	France Bleu	radio	DVB-S2	5/6		30.000		French
	Europe B	Planet Earth	TV	DVB-S2	5/6		30.000	Conax	English
	South East Africa	RFI Afrique	radio	DVB-S2	5/6		30.000		French
11.595	V Europe B	A1 Bulgaria	package	DVB-S2	5/6		30.000	Conax/Irdeto	
	Europe B	Max TV	package	DVB-S2	3/4		30.000	Conax/Nagravision/Videoguard	
	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	Croatian
	Europe B	BTV	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	BTV Action	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Private TV	TV	DVB-S2	3/4		30.000	Nagravision	English
	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	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	Nova TV	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Sport Klub 1 Hrvatska	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	Europe B	CineStar TV Premiere 2	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	Europe B	Diema	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	M1 Gold	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	Europe B	Z1	TV	DVB-S2	3/4		30.000		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	English

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
	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	DSTV	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	HRT 1	TV	DVB-S2	3/4	Y	30.000	Nagravision	Croatian
	Europe B	Animal Planet Europe	TV	DVB-S2	5/6		30.000	Conax	English
	Europe B	Da Vinci	TV	DVB-S2	3/4		30.000	Nagravision	English
	Europe B	Extreme Sports Channel	TV	DVB-S2	3/4		30.000	Nagravision	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/Videoguard	Croatian
	Europe B	AXN Bulgaria	TV	DVB-S2	5/6		30.000	Conax	Bulgarian,English
	Europe B	Arena Sport 6 Hrvatska	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	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	English
	Europe B	CNN International Europe	TV	DVB-S2	3/4		30.000	Conax/Nagravision	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	Croatian
	Europe B	AXN White	TV	DVB-S2	5/6		30.000	Conax	Bulgarian,Czech,Romanian
	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	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	Box TV	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	City TV	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Antena Zagreb	radio	DVB-S2	3/4		30.000		Croatian
	Europe B	Bulgarska Khristiyanska TV	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Max Sport 1	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Radio Marija Hrvatska	radio	DVB-S2	3/4		30.000		Croatian
	Europe B	EKids	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Gold FM	radio	DVB-S2	3/4		30.000		Croatian
	Europe B	Evrokom	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	Enter ZG	radio	DVB-S2	3/4		30.000		Croatian
	Europe B	Edge Sport	TV	DVB-S2	5/6		30.000	Conax	English
	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	Bulgarska Svobodna 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	Max Sport 2	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	Europe B	The Voice TV	TV	DVB-S2	5/6		30.000		Bulgarian
	Europe B	Fashion Television Europe	TV	DVB-S2	5/6		30.000		
	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
11.596	H South East Africa	Parabole Réunion	package	DVB-S2	8/9		29.980	Viaccess	
	South East Africa	Nat Geo Wild France	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Kwezi TV	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	M6 Music	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Canal J	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Zee Magic	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Trek	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Chasse & Pêche	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Dorcel XXX	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Nickelodeon Teen	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Dream'In	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Eurosport 1 France	TV	DVB-S2	8/9		29.980		French

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	South East Africa	CGTN Français	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Non Stop People France	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	TFX	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	J-One	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Eurosport 2	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Antenne Réunion TV	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Exo TV	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Sky News International	TV	DVB-S2	8/9		29.980	Viaccess	English
	South East Africa	Star Vijay International	TV	DVB-S2	8/9		29.980	Viaccess	Tamil
	South East Africa	Star Bharat UK	TV	DVB-S2	8/9		29.980	Viaccess	
	South East Africa	TV Analamanga	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Dorcel TV	TV	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Gasy Radio	radio	DVB-S2	8/9		29.980	Viaccess	
	South East Africa	Radio Tana	radio	DVB-S2	8/9		29.980	Viaccess	
	South East Africa	Radio Plus FM	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	RTL	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Radio Classique	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	RMC	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	RCF National	radio	DVB-S2	8/9		29.980		French
	South East Africa	Free Dom 1	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Europe 1	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Top FM	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Kwezi FM	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Nostalgie	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Sunlight FM	radio	DVB-S2	8/9		29.980		French
	South East Africa	Radio Arc en Ciel	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	RLI FM 106	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Radio Plus	radio	DVB-S2	8/9		29.980	Viaccess	
	South East Africa	Best FM	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Kool FM	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Music FM	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	RCM 13	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	Azot Radio	radio	DVB-S2	8/9		29.980	Viaccess	French
	South East Africa	NRJ Maurice	radio	DVB-S2	8/9		29.980	Viaccess	French
11.637	H South East Africa	Canal Réunion	package	DVB-S2	8/9		30.000	Mediaguard	
	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	French
	South East Africa	Trace Tropical	TV	DVB-S2	8/9		30.000	Mediaguard	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	French

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	South East Africa	Cartoon Network France	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	PlanetSport 4	TV	DVB-S2	5/6		30.000	Conax	Croatian
	South East Africa	BBC World News Africa	TV	DVB-S2	8/9		30.000	Mediaguard	English
	Europe B	Cartoon Network Bulgaria	TV	DVB-S2	5/6		30.000	Conax	English,Bulgarian,Russian
	South East Africa	Elle Girl TV	TV	DVB-S2	8/9		30.000	Mediaguard	French
	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	French
	Europe B	Disney Channel Bulgaria	TV	DVB-S2	5/6		30.000	Conax	Bulgarian,English
	South East Africa	Ushuaïa TV	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Havoc TV	TV	DVB-S2	5/6		30.000	Conax	English
	South East Africa	XXL	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Stingray Classica	TV	DVB-S2	5/6		30.000	Conax	German
	South East Africa	MUTV	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	AXN Spin Romania	TV	DVB-S2	5/6		30.000	Conax/Videoguard	English,Romanian
	South East Africa	Disney Junior France	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Eurobet 5 ot 11	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	South East Africa	ORTC TV	TV	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Foot + Mau Mada 2	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Barely Legal TV	TV	DVB-S2	5/6		30.000	Conax	English
	Europe B	Max Sport 4	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	South East Africa	TCM Cinéma	TV	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Penthouse Black	TV	DVB-S2	8/9		30.000	Mediaguard	English
	Europe B	Eurobet Sport Chance	TV	DVB-S2	5/6		30.000	Conax	Bulgarian
	South East Africa	Voir +	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	PlanetSport 5	TV	DVB-S2	5/6		30.000	Conax	Croatian
	South East Africa	TV Malagasy	TV	DVB-S2	8/9		30.000	Mediaguard	
	South East Africa	Syfy France	TV	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	Da Vinci	TV	DVB-S2	5/6		30.000	Conax	
	Europe B	In Life TV	TV	DVB-S2	5/6		30.000		Bulgarian
	South East Africa	Foot + Mau Mada 1	TV	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	BeIn Sports 3	TV	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Living Foodz	TV	DVB-S2	8/9		30.000	Mediaguard	
	South East Africa	Trace Sport Stars	TV	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Times Now	TV	DVB-S2	8/9		30.000	Mediaguard	English
	South East Africa	RFM TV	TV	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Zee TV Africa	TV	DVB-S2	8/9		30.000	Mediaguard	Hindi
	South East Africa	Radio Record	radio	DVB-S2	8/9		30.000	Mediaguard	
	South East Africa	Radio des Jeunes	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	RTL Réunion	radio	DVB-S2	8/9		30.000	Mediaguard	French
	Europe B	CNN International Europe	TV	DVB-S2	5/6		30.000	Conax	English
	South East Africa	Radio Don Bosco	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	RNM	radio	DVB-S2	8/9		30.000	Mediaguard	
	South East Africa	Viva 98.8 FM	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Ylang FM	radio	DVB-S2	8/9		30.000	Mediaguard	French

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
11.678	South East Africa	Kool FM	radio	DVB-S2	8/9		30.000	Mediaguard	
	South East Africa	Radio One	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Radio Plus FM	radio	DVB-S2	8/9		30.000	Mediaguard	French
	South East Africa	Best FM	radio	DVB-S2	8/9		30.000	Mediaguard	
	H Europe B	Max TV	package	DVB-S2	3/4		30.000	Conax/Nagravision	
	South East Africa	Orange Réunion	package	DVB-S2	3/5		30.000	Viaccess	
	Europe B	Vivid TV Europe	TV	DVB-S2	3/4		30.000	Nagravision	English
	Europe B	Woman	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	South East Africa	6ter	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	Arena Sport 5 Hrvatska	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	South East Africa	OCS City	TV	DVB-S2	3/5		30.000	Viaccess	French
	South East Africa	OCS choc	TV	DVB-S2	3/5		30.000	Viaccess	French
	South East Africa	TF 1 Séries Films	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	Nova 24 TV	TV	DVB-S2	3/4		30.000		Slovenian
	South East Africa	OCS geants	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	Sport Klub Golf	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	South East Africa	TV Breizh	TV	DVB-S2	3/5		30.000	Viaccess	French
	South East Africa	Piwi +	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	Dorcel XXX	TV	DVB-S2	3/4		30.000	Nagravision	French
	South East Africa	Gulli Africa	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	Mini TV	TV	DVB-S2	3/4		30.000	Conax/Nagravision/Videoguard	Croatian
	South East Africa	Boomerang France	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	MTV Dance	TV	DVB-S2	3/4		30.000	Nagravision	English
	South East Africa	Ushuaïa TV	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	MTV Hits	TV	DVB-S2	3/4		30.000	Nagravision	English
	South East Africa	NRJ 12	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	Posavska TV	TV	DVB-S2	3/4		30.000		Croatian
	Europe B	Stingray Djazz	TV	DVB-S2	3/4		30.000	Nagravision	French
	South East Africa	Dorcel TV	TV	DVB-S2	3/5		30.000	Viaccess	French
	South East Africa	AB 1	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	24 Kitchen Hrvatska	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	South East Africa	E! France	TV	DVB-S2	3/5		30.000	Viaccess	French
	South East Africa	M6	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	Sportska TV	TV	DVB-S2	3/4		30.000	Conax/Nagravision	Croatian
	South East Africa	OCS max	TV	DVB-S2	3/5		30.000	Viaccess	French
	South East Africa	BeIn Sports 2	TV	DVB-S2	3/5		30.000	Viaccess	French
	South East Africa	Equidia	TV	DVB-S2	3/5		30.000	Viaccess	French
	South East Africa	RFM TV	TV	DVB-S2	3/5		30.000	Viaccess	French
	South East Africa	AB Moteurs	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	Arena Sport 1 Hrvatska	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	Europe B	M1 Film	TV	DVB-S2	3/4		30.000	Nagravision	Croatian
	South East Africa	BeIn Sports 3	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	RTL Hrvatska	TV	DVB-S2	3/4	Y	30.000	Conax/Nagravision	Croatian
	South East Africa	Histoire	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	Nova TV	TV	DVB-S2	3/4	Y	30.000	Conax/Nagravision	Croatian
	South East Africa	C8	TV	DVB-S2	3/5		30.000	Viaccess	French

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
12.521	Europe B	RTL 2 Hrvatska	TV	DVB-S2	3/4		30.000	Conax/Nagravision	Croatian
	South East Africa	CGTN Français	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	Doma Hrvatska	TV	DVB-S2	3/4		30.000	Conax/Nagravision/Videoguard	Croatian
	South East Africa	Trace Urban	TV	DVB-S2	3/5		30.000	Viaccess	French
	Europe B	HRT 3	TV	DVB-S2	3/4		30.000	Nagravision/Videoguard	Croatian
	South East Africa	Trace Africa Français	TV	DVB-S2	3/5		30.000	Viaccess	French
	H Sub-Sahara Africa	My TV	package	DVB-S2	2/3		30.000	Conax	
	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	Trace Urban	TV	DVB-S2	2/3		30.000	Conax	French
	Sub-Sahara Africa	My TV Yoruba	TV	DVB-S2	2/3		30.000	Conax	
	Sub-Sahara Africa	AIT National	TV	DVB-S2	2/3		30.000	Conax	English
	Sub-Sahara Africa	Rave TV	TV	DVB-S2	2/3		30.000	Conax	English
	Sub-Sahara Africa	Channels TV	TV	DVB-S2	2/3		30.000	Conax	English
	Sub-Sahara Africa	My TV promo	TV	DVB-S2	2/3		30.000		English
	Sub-Sahara Africa	Quest TV	TV	DVB-S2	2/3		30.000		English
	Sub-Sahara Africa	Galaxy TV	TV	DVB-S2	2/3		30.000	Conax	English
	Sub-Sahara Africa	Digital Congo TV	TV	DVB-S2	2/3		30.000	Conax	French
	Sub-Sahara Africa	My TV Hausa	TV	DVB-S2	2/3		30.000	Conax	Hausa
	Sub-Sahara Africa	My TV Series	TV	DVB-S2	2/3		30.000	Conax	English
	Sub-Sahara Africa	Wap TV	TV	DVB-S2	2/3		30.000	Conax	English
	Sub-Sahara Africa	Télé 50	TV	DVB-S2	2/3		30.000	Conax	French
	Sub-Sahara Africa	Aljazeera English	TV	DVB-S2	2/3		30.000	Conax	English
	Sub-Sahara Africa	RT Documentary	TV	DVB-S2	2/3		30.000		English
	Sub-Sahara Africa	RTI 2	TV	DVB-S2	2/3		30.000	Conax	French
	Sub-Sahara Africa	Wazobia TV	TV	DVB-S2	2/3		30.000	Conax	English
	Sub-Sahara Africa	NTA International	TV	DVB-S2	2/3		30.000	Conax	English
	Sub-Sahara Africa	My TV Africa	TV	DVB-S2	2/3		30.000	Conax	English
	Sub-Sahara Africa	Nolly Africa	TV	DVB-S2	2/3		30.000	Conax	English
	Sub-Sahara Africa	KBS World	TV	DVB-S2	2/3		30.000	Conax	Korean
	Sub-Sahara Africa	Ma Télé Afrique	TV	DVB-S2	2/3		30.000	Conax	French
	Sub-Sahara Africa	Ma Télé Xtra	TV	DVB-S2	2/3		30.000	Conax	French
	Sub-Sahara Africa	RTI 1	TV	DVB-S2	2/3		30.000	Conax	French
	Sub-Sahara Africa	Aforevo TV	TV	DVB-S2	2/3		30.000	Conax	English
12.523	V Europe B	Orange TV	package	DVB-S2	2/3		10.850	Irdeto	
	Europe B	Mnam TV	TV	DVB-S2	2/3		10.850	Irdeto	Czech
	Europe B	Arena Sport 2	TV	DVB-S2	2/3		10.850	Irdeto	Slovak
	Europe B	Kino Barrandov	TV	DVB-S2	2/3		10.850	Irdeto	Czech
	Europe B	Extreme Sports Channel	TV	DVB-S2	2/3		10.850	Irdeto	English,Hungarian
	Europe B	Orange Sport 3	TV	DVB-S2	2/3		10.850	Irdeto	Slovak
	Europe B	Orange Sport 4	TV	DVB-S2	2/3		10.850	Irdeto	Slovak
	Europe B	Orange Infokanál	TV	DVB-S2	2/3		10.850		Slovak
12.541	V Europe B	Kohavision	TV	DVB-S2	3/4		19.970	Conax/Irdeto	Albanian
	Europe B	Klan Kosova	TV	DVB-S2	3/4		19.970	Conax/Irdeto	Albanian

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
12.562	Europe B	RTV 21 Sat	TV	DVB-S2	3/4		19.970	Conax/Irdeto	Albanian
	Europe B	TV Dukagjini	TV	DVB-S2	3/4		19.970	Conax/Irdeto	Albanian
	Europe B	Tribuna Channel	TV	DVB-S2	3/4		19.970	Conax/Irdeto	Albanian
	Europe B	First Channel	TV	DVB-S2	3/4		19.970	Conax/Irdeto	Albanian
	Europe B	T7	TV	DVB-S2	3/4		19.970	Conax/Irdeto	Albanian
	Europe B	Zico TV	TV	DVB-S2	3/4		19.970		Albanian
	Europe B	TV 21 Macedonia	TV	DVB-S2	3/4		19.970		Macedonian
	Europe B	Radio 21	radio	DVB-S2	3/4		19.970		Albanian
	Europe B	Radio Dukagjini	radio	DVB-S2	3/4		19.970		Albanian
	H Sub-Sahara Africa	unknown	package	DVB-S2	2/3		30.000		
	Sub-Sahara Africa	TFM	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	L'Obs TV	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	InfoTV	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	BF1	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 Gambia	TV	DVB-S2	2/3		30.000		English
	Sub-Sahara Africa	BB 24	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	SMTV	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	NW Info 2	TV	DVB-S2	2/3		30.000		English
	Sub-Sahara Africa	A12 TV	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	Radio Kara	radio	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	NW Transnat	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	Radio Lomé	radio	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	NW Muzik	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	NW Sport 2	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	JesusChrist TV	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	EMCI TV Paris	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	Miracle TV+	TV	DVB-S2	2/3		30.000		
	Sub-Sahara Africa	TV Chandelier	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	AC TV	TV	DVB-S2	2/3		30.000		French
	Sub-Sahara Africa	Canal J	TV	DVB-S2	2/3		30.000		French

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
	Sub-Sahara Africa	Casarhema TV	TV	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
12.593	V Europe B	DM Sat	TV	DVB-S	2/3		2.500		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	TFX	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 Français	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	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	Gospel Music 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
	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

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
	Sub-Sahara Africa	Europe 1	radio	DVB-S2	2/3		30.000		French
12.606	H Europe B	Orange Slovensko	package	DVB-S2	3/4		30.000	Irdeto	
	Europe B	M1	TV	DVB-S2	3/4	Y	30.000	Irdeto	Hungarian
	Europe B	M2	TV	DVB-S2	3/4	Y	30.000	Irdeto	Hungarian
	Europe B	M4 Sport	TV	DVB-S2	3/4	Y	30.000	Irdeto	Hungarian
	Europe B	Duna TV	TV	DVB-S2	3/4	Y	30.000	Irdeto	Hungarian
	Europe B	TV 2	TV	DVB-S2	3/4	Y	30.000	Irdeto	Hungarian
	Europe B	TV 4	TV	DVB-S2	3/4	Y	30.000	Irdeto	Hungarian
	Europe B	Film + Hungary	TV	DVB-S2	3/4		30.000	Irdeto	Hungarian
	Europe B	Cool TV	TV	DVB-S2	3/4		30.000	Irdeto	Hungarian
	Europe B	RTL II	TV	DVB-S2	3/4		30.000	Irdeto	Hungarian
	Europe B	RTL Klub	TV	DVB-S2	3/4	Y	30.000	Irdeto	Hungarian
	Europe B	RTL +	TV	DVB-S2	3/4		30.000	Irdeto	Hungarian
	Europe B	Sorozat +	TV	DVB-S2	3/4		30.000	Irdeto	Hungarian
	Europe B	Sláger TV	TV	DVB-S2	3/4		30.000	Irdeto	Hungarian
	Europe B	Kino Barrandov	TV	DVB-S2	3/4		30.000	Irdeto	Hungarian
	Europe B	Barrandov Krimi	TV	DVB-S2	3/4		30.000	Irdeto	Hungarian
	Europe B	Arena Sport 2	TV	DVB-S2	3/4		30.000	Irdeto	Slovak
	Europe B	Extreme Sports Channel	TV	DVB-S2	3/4		30.000	Irdeto	English,Hungarian
	Europe B	Orange Sport 3	TV	DVB-S2	3/4		30.000	Irdeto	Slovak
	Europe B	Orange Sport 4	TV	DVB-S2	3/4		30.000	Irdeto	Slovak
	Europe B	Orange Infokanál	TV	DVB-S2	3/4		30.000		Slovak
	Europe B	Mnam TV	TV	DVB-S2	3/4		30.000	Irdeto	Czech
12.640	H Europe B	RTSH	package	DVB-S2	3/5		10.833		
	Europe B	RTSH Sat	TV	DVB-S2	3/5		10.833		Albanian
	Europe B	RTSH Plus	TV	DVB-S2	3/5		10.833		Albanian
	Europe B	RTSH 24	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	Freesat	package	DVB-S2	3/4		12.500	Conax	
	Europe B	Prima TV	TV	DVB-S2	3/4		12.500	Conax	Romanian
	Europe B	Kanal D Romania	TV	DVB-S2	3/4		12.500	Conax	Romanian
	Europe B	National TV	TV	DVB-S2	3/4		12.500	Conax	Romanian
	Europe B	Boomerang Central & Eastern Europe	TV	DVB-S2	3/4		12.500	Conax	Romanian
	Europe B	Pro TV	TV	DVB-S2	3/4		12.500	Conax	Romanian
	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	Pro Cinema	TV	DVB-S2	3/4		12.500	Conax	Romanian
	Europe B	TNT Romania	TV	DVB-S2	3/4		12.500	Conax	Romanian
	Europe B	România TV	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
12.660	H Europe B	SNAI	package	DVB-S2	5/6		2.222		
	Europe B	SNAI promo	TV	DVB-S2	5/6		2.222	BISS	Italian
	Europe B	SNAI Virtuali mosaic	TV	DVB-S2	5/6		2.222		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	SNAI Virtuali 2	TV	DVB-S	1/2		9.880		Italian
	Europe B	SNAI Virtuali 3	TV	DVB-S	1/2		9.880		Italian
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
21.534	H Europe C	Vision 4	TV	DVB-S2	3/5		1.124		French

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
21.535	H Europe C	Emirem TV	TV	DVB-S2	4/5	1.100		French
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	1.070		French
	Europe C	Diaspora FM	radio	DVB-S2	3/4	1.070		French
21.543	H Europe C	TVC Benin	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
21.562	H Europe C	ImpactTV	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	L'Obs TV	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	Canal 2 International	package	DVB-S2	3/4	3.332		
	Europe C	Canal 2 International	TV	DVB-S2	3/4	3.332		French
	Europe C	Sweet FM Vision	TV	DVB-S2	3/4	3.332		French
	Europe C	Canal 2 English	TV	DVB-S2	3/4	3.332		English
	Europe C	Canal 2 Movies	TV	DVB-S2	3/4	3.332		French

EUTELSAT 21B

10.919	H Wide	Boomerang EMEA	TV	DVB-S2	3/5	33.707	Viaccess	English,Arabic,Greek
	Wide	CNN International Europe	TV	DVB-S2	3/5	33.707	Viaccess	English
	Wide	HLN International	TV	DVB-S2	3/5	33.707	Viaccess	English
	Wide	TCM Middle East	TV	DVB-S2	3/5	33.707	Viaccess	English
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
11.232	H Wide	Flowers International	TV	DVB-S2	5/6	2.583		Malayalam
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
11.482	H Wide	Aden TV	TV	DVB-S	3/4	1.483		Arabic
11.484	H Wide	Al-Iman TV	TV	DVB-S2	3/4	1.480		Arabic
	Wide	Radio Albachær	radio	DVB-S2	3/4	1.480		Arabic
11.486	V Wide	Alquds Satellite Channel	TV	DVB-S2	3/4	2.220		Arabic
	Wide	Libya Panorama Channel	TV	DVB-S2	5/6	1.497		Arabic
11.489	H Wide	Alghadeer TV	TV	DVB-S2	3/4	1.953		Arabic
11.496	H Wide	Al Jadeed Sat	TV	DVB-S	3/4	2.500		
11.499	H Wide	Iraq Education Channel	TV	DVB-S	3/4	2.170		Arabic
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
11.560	V Wide	MBC Maser	package	DVB-S2	5/6	5.000	BISS	
	Wide	MBC Maser	TV	DVB-S2	5/6	5.000	BISS	Arabic
	Wide	MBC Maser 2	TV	DVB-S2	5/6	5.000	BISS	Arabic
11.569	H Western	Arryadia 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
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
11.610	H Western	Skylogic	interactiv e	DVB-S	7/8	6.200		
11.613	H Western	MFM Radio	package	DVB-S	3/4	.376		
	Western	MFM Radio Casablanca	radio	DVB-S	3/4	.376		Arabic

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	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
11.618	V Western	Medi 1 TV Arabic	TV	DVB-S2	3/4	27.500		Arabic
11.663	V Wide	Afaq TV	TV	DVB-S2	3/4	2.220		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
11.681	V Wide	Altaleaa TV	TV	DVB-S2	3/4	1.481		Arabic
11.682	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
11.685	V Wide	LuaLua TV	TV	DVB-S2	3/4	1.479		Arabic
11.688	V Wide	Alrased	TV	DVB-S2	5/6	2.220		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 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	AMC UK	TV	DVB-S2	3/4	29.500	Videoguard	English
	UK	BT Sport 2 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
	UK	BT Sport Box Office	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	PBS America	TV	DVB-S	5/6	27.500		English
	UK	Gems TV	TV	DVB-S	5/6	27.500		English
	UK	Sony Movie Channel UK	TV	DVB-S	5/6	27.500		English
	UK	France 24 English	TV	DVB-S	5/6	27.500		English
	UK	Sony Movie Channel UK +1	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	V UK	Sky UK	package	DVB-S	5/6	27.500		
	UK	Sky UK	package	DVB-S	5/6	27.500	Videoguard	
	UK	Universal TV UK +1	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	E! Ireland	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	E! UK	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	Scuzz	TV	DVB-S	5/6	27.500		English
	UK	Chart Show Hits	TV	DVB-S	5/6	27.500		English
	UK	Syfy UK	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	True Movies UK	TV	DVB-S	5/6	27.500		English
	UK	Universal TV UK	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	True Movies UK +1	TV	DVB-S	5/6	27.500		English
	UK	Universal TV Ireland	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	Movies 24 UK	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	Tiny Pop	TV	DVB-S	5/6	27.500		English
	UK	Movies 24 UK +	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	Starz	TV	DVB-S	5/6	27.500		English
	UK	Pop	TV	DVB-S	5/6	27.500		English
	UK	Syfy UK +1	TV	DVB-S	5/6	27.500	Videoguard	English
	UK	Tiny Pop +1	TV	DVB-S	5/6	27.500		English
	UK	Pop Max	TV	DVB-S	5/6	27.500		English
	UK	S4C	TV	DVB-S	5/6	27.500		English,Welsh
	UK	The Vault	TV	DVB-S	5/6	27.500		English
	UK	Pop Max +1	TV	DVB-S	5/6	27.500		English
	UK	Chart Show TV	TV	DVB-S	5/6	27.500		English
	UK	Pop +1	TV	DVB-S	5/6	27.500		English
	UK	True Entertainment	TV	DVB-S	5/6	27.500		English
	UK	True Entertainment +1	TV	DVB-S	5/6	27.500		English
	UK	Sony Crime Channel	TV	DVB-S	5/6	Y 27.500		English

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
11.344	V UK	Sony Crime Channel +1	TV	DVB-S	5/6		27.500		English
	UK	Sony Crime Channel 2	TV	DVB-S	5/6		27.500		English
	V UK	Sky UK	package	DVB-S	5/6		27.500	Videoguard	
	UK	Sky UK	package	DVB-S	5/6		27.500		
	UK	CBS Drama UK	TV	DVB-S	5/6		27.500		English
	UK	Chart Show TV	TV	DVB-S	5/6		27.500		English
	UK	Box Nation	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	CBS Justice Ireland	TV	DVB-S	5/6		27.500		English
	UK	Horror Channel UK	TV	DVB-S	5/6		27.500		English
	UK	Movies4Men +1	TV	DVB-S	5/6		27.500		English
	UK	At The Races Ireland	TV	DVB-S	5/6	Y	27.500	Videoguard	English
	UK	Chart Show Hits	TV	DVB-S	5/6		27.500		English
	UK	BT Sport 1	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	The Vault	TV	DVB-S	5/6		27.500		English
	UK	AMC UK	TV	DVB-S	5/6		27.500	Videoguard	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	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 2	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	BT Sport Extra 1	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	BT Sport ESPN	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	CBS Reality Ireland	TV	DVB-S	5/6		27.500		English
	UK	CBS Reality UK +1	TV	DVB-S	5/6		27.500		English
	UK	Movies4Men	TV	DVB-S	5/6		27.500		English
	UK	BT Sport mosaic	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 mosaic	TV	DVB-S	5/6		27.500	Videoguard	English
	UK	Paramount Network UK	TV	DVB-S	5/6		27.500		English
	UK	Psychic Today	TV	DVB-S	5/6		27.500		English
	UK	YourTV	TV	DVB-S	5/6		27.500		English
	UK	S4C	TV	DVB-S	5/6	Y	27.500		Welsh,English

EUTELSAT 28G

11.224	V Europe Ku	Sky UK	package	DVB-S2	2/3		23.000		
	Europe Ku	NHK World Japan	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	CGTN	TV	DVB-S2	2/3		23.000		English
11.264	V Europe Ku	Sky UK	package	DVB-S	2/3		27.500		
	Europe Ku	Sky UK	package	DVB-S	2/3		27.500	Videoguard	
	Europe Ku	NickToons UK	TV	DVB-S	2/3		27.500	Videoguard	English
	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	Nick Jr UK	TV	DVB-S	2/3		27.500	Videoguard	English
	Europe Ku	MTA 1	TV	DVB-S	2/3		27.500		Urdu,English,French,German,Arabic,Bengali
	Europe Ku	Nickelodeon UK +1	TV	DVB-S	2/3	Y	27.500	Videoguard	English
	Europe Ku	Nickelodeon UK	TV	DVB-S	2/3	Y	27.500	Videoguard	English
	Europe Ku	TBN UK	TV	DVB-S	2/3		27.500		English
	Europe Ku	Smithsonian Channel 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 Britain & Ireland	radio	DVB-S	2/3		27.500		English
11.582	H Europe Ku	Sky UK	package	DVB-S	5/6		22.000		
	Europe Ku	Colors	TV	DVB-S	5/6		22.000	Videoguard	Hindi
	Europe Ku	Kanshi TV	TV	DVB-S	5/6		22.000		
	Europe Ku	Total Country	TV	DVB-S	5/6		22.000		English
	Europe Ku	Fascination TV	TV	DVB-S	5/6		22.000		English

Freq	Beam		Analog	Diff	Fec		Symbl Rate	Acces	Lang
	Europe Ku	Star Plus UK	TV	DVB-S	5/6		22.000	Videoguard	Hindi
	Europe Ku	Front Runner TV	TV	DVB-S	5/6		22.000		English
	Europe Ku	Babestation	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
	Europe Ku	LBC London	radio	DVB-S	5/6		22.000		English
	Europe Ku	Heart 106.2 London	radio	DVB-S	5/6		22.000		English
	Europe Ku	Heart 80s	radio	DVB-S	5/6		22.000		English
	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
	Europe Ku	Absolute Radio	radio	DVB-S	5/6		22.000		English
	Europe Ku	Absolute Radio 80s	radio	DVB-S	5/6		22.000		English
	Europe Ku	Absolute Radio 90s	radio	DVB-S	5/6		22.000		English
	Europe Ku	Absolute Radio Classic Rock	radio	DVB-S	5/6		22.000		English
11.597	V Europe Ku	Sky UK	package	DVB-S	5/6		22.000		
	Europe Ku	Studio 66 TV 1	TV	DVB-S	5/6		22.000		English
	Europe Ku	Channels 24	TV	DVB-S	5/6		22.000		English
	Europe Ku	Babecall	TV	DVB-S	5/6		22.000		English
	Europe Ku	GN TV	TV	DVB-S	5/6		22.000		English
	Europe Ku	Thane	TV	DVB-S	5/6		22.000		English
	Europe Ku	Craft Extra	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	Now 80's	TV	DVB-S	5/6		22.000		English
	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	SBN International	TV	DVB-S	5/6		22.000		English,Spanish
	Europe Ku	Create and Craft	TV	DVB-S	5/6		22.000		English
	Europe Ku	Sky Sports Racing UK	TV	DVB-S	5/6		22.000	Videoguard	English
	Europe Ku	Babecall 2	TV	DVB-S	5/6		22.000		English
	Europe Ku	Psychic Today	TV	DVB-S	5/6		22.000		English
11.612	H Europe Ku	Sky UK	package	DVB-S2	2/3		23.000		
	Europe Ku	Iran International	TV	DVB-S2	2/3		23.000		Farsi
	Europe Ku	Aljazeera English	TV	DVB-S2	2/3		23.000		English
11.627	V Europe Ku	Sky UK	package	DVB-S	5/6		22.000		
	Europe Ku	Abu Dhabi TV Europe	TV	DVB-S	5/6		22.000		Arabic
	Europe Ku	FreeSports Ireland	TV	DVB-S	5/6		22.000	Videoguard	English
	Europe Ku	Zee TV UK	TV	DVB-S	5/6		22.000	Videoguard	Hindi
11.641	H Europe Ku	Premier Sports 1	TV	DVB-S2	2/3		23.000	Videoguard	English
11.656	V Europe Ku	Sky UK	package	DVB-S	5/6		22.000	Videoguard	
	Europe Ku	Dirty Talk	TV	DVB-S	5/6		22.000		English
	Europe Ku	UK 44	TV	DVB-S	5/6		22.000		Urdu
	Europe Ku	TV X Bangers	TV	DVB-S	5/6		22.000	Videoguard	English
	Europe Ku	TV X 40+	TV	DVB-S	5/6		22.000	Videoguard	English
	Europe Ku	Price Crash	TV	DVB-S	5/6		22.000		English
	Europe Ku	Akaal Channel UK	TV	DVB-S	5/6		22.000		English
	Europe Ku	Zee TV UK	TV	DVB-S	5/6		22.000	Videoguard	Hindi
11.671	H Europe Ku	Sky UK	package	DVB-S	5/6		22.000	Videoguard	
	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	TCM UK	TV	DVB-S	5/6	Y	22.000	Videoguard	English
	Europe Ku	Cartoonito UK	TV	DVB-S	5/6		22.000	Videoguard	English
11.686	V Europe Ku	Sky UK	package	DVB-S2	2/3		23.000		
	Europe Ku	Colors	TV	DVB-S2	2/3		23.000	Videoguard	Hindi
	Europe Ku	Daystar TV	TV	DVB-S2	2/3		23.000		English
	Europe Ku	Bloomberg TV UK	TV	DVB-S2	2/3		23.000		English

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
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Europe Ku	Record TV Reino Unido	TV	DVB-S2	2/3	23.000				Portuguese
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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	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	TV Cine 2	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		South Africa	TV Cine 3	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	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
		South Africa	Nautical Channel	TV	DVB-S2	5/6	30.000	Nagravision	English
		South Africa	STV Noticias	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		South Africa	WooHoo	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	TV Cine 1	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		South Africa	Stingray IConcerts	TV	DVB-S2	5/6	30.000	Nagravision	English
11.230	H	Eurasia	GeoSat	package	DVB-S2	3/5	15.000		
		Eurasia	Rustavi 2	TV	DVB-S2	3/5	15.000		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	Obieqtivi TV	TV	DVB-S2	3/5	15.000		Georgian
		Eurasia	Palitra News	TV	DVB-S2	3/5	15.000		Georgian
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	Stingray CMusic	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	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	TVI Internacional	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		South Africa	Fox Life 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	Fox Movies Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		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	Blaze Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		South Africa	História Portugal	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		South Africa	Rossiia 24	TV	DVB-S2	5/6	30.000	Nagravision	Russian
		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	NBA TV	TV	DVB-S2	5/6	30.000	Nagravision	English

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
11.304	V	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	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/África	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
		South Africa	Zap Live	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		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
		South Africa	Zap Rock	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 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 Dance Clubbin	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 Pop	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
		South Africa	Zap Afro Beat	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
		South Africa	Zap Blues	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 Easy Listening	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 Classic Music	radio	DVB-S2	5/6	30.000	Nagravision	Portuguese
11.345	H	Eurasia	Vivacom TV	package	DVB-S2	3/4	30.000	Irdeto	
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	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	Colors	TV	DVB-S2	5/6	30.000	Nagravision	Hindi
		South Africa	TVI 24 África	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		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	Zap Live	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		South Africa	Cubavisión Internacional	TV	DVB-S2	5/6	30.000	Nagravision	Spanish
		South Africa	La Liga na Zap	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	The Box Africa	TV	DVB-S2	5/6	30.000	Nagravision	English
		South Africa	Sport TV África 1	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
11.387	V	South Africa	Zap	package	DVB-S2	5/6	30.000	Nagravision	
		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	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	RT News	TV	DVB-S2	5/6	30.000	Nagravision	English
		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	AXN Dublado	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		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	AXN 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	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
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		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	Gloom Channel	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		South Africa	Zap promo	TV	DVB-S2	5/6	30.000		Portuguese
		South Africa	TVM	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		South Africa	TV Sucesso	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		South Africa	Digital Congo TV	TV	DVB-S2	5/6	30.000	Nagravision	French
		South Africa	Zap Filmes 3	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		South Africa	TIM	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 Viva	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	Zap Viva	TV	DVB-S2	5/6	30.000	Nagravision	Portuguese
		South Africa	RTNC	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	Télé 50	TV	DVB-S2	5/6	30.000	Nagravision	French
		South Africa	TVM Internacional	TV	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
11.474	V	South Africa	DSTV Africa	package	DVB-S	5/6	30.000	Irdeto	
		South Africa	AXN Portugal	TV	DVB-S	5/6	30.000	Irdeto	Portuguese
		South Africa	TPA 1	TV	DVB-S	5/6	30.000	Irdeto	Portuguese
		South Africa	TPA 2	TV	DVB-S	5/6	30.000	Irdeto	Portuguese
		South Africa	Canal Panda Portugal	TV	DVB-S	5/6	30.000	Irdeto	Portuguese
		South Africa	TVM	TV	DVB-S	5/6	30.000	Irdeto	Portuguese
		South Africa	Disney Channel Portugal	TV	DVB-S	5/6	30.000	Irdeto	Portuguese
		South Africa	Cartoon Network Portugal	TV	DVB-S	5/6	30.000	Irdeto	Portuguese
		South Africa	So Novelas	TV	DVB-S	5/6	30.000	Irdeto	Portuguese
		South Africa	Fé TV	TV	DVB-S	5/6	30.000	Irdeto	Portuguese
		South Africa	Soico TV	TV	DVB-S	5/6	30.000	Irdeto	Portuguese
		South Africa	Antena Nacional	radio	DVB-S	5/6	30.000	Irdeto	Portuguese

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
11.488	V Eurasia	Alahad TV	TV	DVB-S2	5/6		2.220		Arabic
11.495	V Eurasia	Al Mayadeen TV	TV	DVB-S2	3/4		2.300		Arabic
11.510	V South Africa	DSTV Africa	package	DVB-S	5/6		30.000	Irdeto	
	South Africa	Fox Portugal	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	Fox Life Portugal	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	Fox Crime Portugal	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	Fox Comedy Portugal	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	TV Cine 1	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	TV Cine 2	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	TV Cine 3	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	TV Cine 4	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	TV Séries	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	Banda TV	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
11.540	H Eurasia	Al-Masara Al-Oula Satellite Channel	TV	DVB-S2	3/4		1.480		Arabic
11.557	V South Africa	DSTV Africa	package	DVB-S	5/6		30.000	Irdeto	
	South Africa	Boomerang Portugal	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	Disney Junior Portugal	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	Biggs	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	Fox Movies Portugal	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	Trace Toca	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	Record News	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	DSTV Kids	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	TLN Network	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	Afro Music Channel	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	CM TV	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	DSTV Pipoca	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	Boom TV	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
	South Africa	Cine Mundo	TV	DVB-S	5/6		30.000	Irdeto	Portuguese
11.586	H Eurasia	Alanbar Satellite Channel	TV	DVB-S	5/6		2.170		Arabic
11.592	V Eurasia	Syrian Educational TV	TV	DVB-S2	5/6		5.426		Arabic
11.593	V South Africa	DSTV Africa	package	DVB-S	5/6		30.000	Irdeto	
11.595	H Eurasia	Al Nabaa Channel	TV	DVB-S2	5/6		1.600		Arabic
	Eurasia	Salam TV	TV	DVB-S2	2/3		2.400		Arabic
11.597	H Eurasia	Alyaum Channel	TV	DVB-S2	5/6		1.750		Arabic
11.620	H Eurasia	Diwan TV	TV	DVB-S2	8/9		1.667		Arabic
11.681	H Eurasia	Asia Network TV	TV	DVB-S2	3/4		1.481		Arabic
11.727	V Sub-Sahara Africa	DSTV Africa	package	DVB-S2	2/3		27.500	Irdeto	
	Russia	Tricolor TV	package	DVB-S2	3/4		27.500	Exset/DRE-Crypt	
	Russia	Centralnoe TV	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	English
	Sub-Sahara Africa	M-Net West	TV	DVB-S2	2/3		27.500	Irdeto	English
	Russia	Nashe TV	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
	Russia	Auto Plus	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	M-Net Movies Premiere Africa East	TV	DVB-S2	2/3		27.500	Irdeto	English
	Russia	Nauka	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport 3 Angola	TV	DVB-S2	2/3		27.500	Irdeto	Portuguese
	Russia	Mult i muzyka	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 6 Nigeria	TV	DVB-S2	2/3		27.500	Irdeto	English
	Russia	Sankt Peterburg	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport 2 Nigeria	TV	DVB-S2	2/3		27.500	Irdeto	English
	Sub-Sahara Africa	SuperSport 6 Angola	TV	DVB-S2	2/3		27.500	Irdeto	Portuguese
	Russia	Rodnoe Kino	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport 7 Angola	TV	DVB-S2	2/3		27.500	Irdeto	Portuguese
	Russia	MTV Rocks	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	English
	Russia	STS Love	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

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
11.747	Russia	VH1 Europe	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	Europa Plus TV	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	Kinomiks	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
	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	M-Net Movies Action + Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	B4U Movies UK	TV	DVB-S	3/4		27.500	Irdeto	Hindi
	Sub-Sahara Africa	History South Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	SuperSport 6 Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Vuzu	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Disney Junior South Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	CNBC Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Disney XD South Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Sony Channel Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Nina TV English	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	CNN International	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Pearl Magic	TV	DVB-S	3/4		27.500	Irdeto	English
	V Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
	Russia	Tricolor TV	package	DVB-S2	3/4		27.500	Exset/DRE-Crypt	
	Russia	Russkij Extrem	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Universal TV Africa	TV	DVB-S	3/4		27.500	Irdeto	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	English
	Sub-Sahara Africa	Investigation Discovery Africa	TV	DVB-S	3/4		27.500	Irdeto	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	English
	Sub-Sahara Africa	Comedy Central Africa	TV	DVB-S	3/4		27.500	Irdeto	English
11.766	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	Discovery Channel Middle East & Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	CBeebies South Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	SET Asia	TV	DVB-S	3/4		27.500	Irdeto	Hindi
	Sub-Sahara Africa	Sony Max UK	TV	DVB-S	3/4		27.500	Irdeto	Hindi
	Sub-Sahara Africa	Nickelodeon Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Fox Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
	Russia	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess	
	Sub-Sahara Africa	Canal + Sport 1	TV	DVB-S	3/4		27.500	Irdeto	French
	Russia	Match! Arena	TV	DVB-S2	3/4		27.500	Viaccess	Russian
11.785	Sub-Sahara Africa	Afro Music Pop	TV	DVB-S	3/4		27.500	Irdeto	Portuguese,English
	Russia	Match! Boets	TV	DVB-S2	3/4		27.500	Viaccess	Russian

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
11.804	Russia	Match! Igra	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Trace Africa English	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Trace Africa Français	TV	DVB-S	3/4		27.500	Irdeto	French
	Sub-Sahara Africa	Nat Geo Wild South Africa	TV	DVB-S	3/4		27.500	Irdeto	English,Portuguese
	Russia	Match! Futbol 1	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	NickToons Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Ghana TV	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Match! Futbol 2	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Bloomberg TV Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Match! Futbol 3	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	BET Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	OTR	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Trace Mziki	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Soundcity Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Telekanal Doktor	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Islam Channel	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Telekanal Zvezda	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Kanal Disney	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Muz TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Nash Futbol	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	NTV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Telekanal 360°	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	RBK TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	KHL TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	TNT	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	U	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Super	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	World Fashion Channel Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Shop & Show	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	TNT Music	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	V Sub-Sahara Africa	DSTV Africa	package	DVB-S2	3/4		27.500	Irdeto	
	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	English
	Russia	Mama	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	Kinosvidanie	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	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	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
	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	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	Russkiy Detektiv	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Nano TV	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	

Freq	Beam		Analog	Diff	Fec		Symbl Rate	Acces	Lang
	Russia	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess	
	Sub-Sahara Africa	Canal + Sport 2 Afrique	TV	DVB-S	3/4		27.500	Irdeto	French
	Russia	Match! Futbol 2	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	France 2	TV	DVB-S	3/4		27.500	Irdeto	French
	Russia	Match! Futbol 3	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Nash Futbol	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	TéléToon Africa	TV	DVB-S	3/4		27.500	Irdeto	French
	Russia	MTV Live HD	TV	DVB-S2	3/4		27.500	Viaccess	English
	Sub-Sahara Africa	Planète +	TV	DVB-S	3/4		27.500	Irdeto	French
	Russia	Mir Premium	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	RTL 9	TV	DVB-S	3/4		27.500	Irdeto	French
	Russia	Match! Futbol 1	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Novelas TV	TV	DVB-S	3/4		27.500	Irdeto	French
	Sub-Sahara Africa	Canal + Cinéma Centre	TV	DVB-S	3/4		27.500	Irdeto	French
	Russia	Nickelodeon HD	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Sub-Sahara Africa	Trace Naija	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	IMPD TV Africa	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Sub-Sahara Africa	Piwi +	TV	DVB-S	3/4		27.500	Irdeto	French
	Sub-Sahara Africa	TF 1	TV	DVB-S	3/4		27.500	Irdeto	French
	Sub-Sahara Africa	SIC Internacional África	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Sub-Sahara Africa	A+	TV	DVB-S	3/4		27.500	Irdeto	French
11.843	V Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
	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	English
	Russia	Mult	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	DSTV Africa Dish on TV Guide	TV	DVB-S	3/4		27.500		English
	Russia	E	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
	Sub-Sahara Africa	SuperSport Máximo 360	TV	DVB-S	3/4		27.500	Irdeto	Portuguese,English
	Russia	Telekanal O!	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	TBC 1	TV	DVB-S	3/4		27.500	Irdeto	
	Russia	Shalun	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	Swahili
	Russia	Telepoisk	TV	DVB-S2	3/4		27.500		Russian
	Russia	Kinozal 1	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	English
	Russia	Kinozal 2	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	English
	Russia	Kinozal 3	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Kinozal 4	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	English
	Russia	Kinozal 5	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport 8 Nigeria	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Kinozal 6	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport 10 Angola	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Russia	Kinozal 7	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	SuperSport Máximo 2 Africa	TV	DVB-S	3/4		27.500	Irdeto	English

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
11.862	Russia	Kinozal 8	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	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
	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
	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
	Russia	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess	
	Russia	Fashion One 4K	TV	DVB-S2	3/4		27.500	Viaccess	English
	Sub-Sahara Africa	Star TV	TV	DVB-S	3/4		27.500	Irdeto	Swahili
	Russia	Home 4K	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Citizen TV	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Stingray Festival 4K	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	SuperSport Play	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Africa Magic Igbo	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Ogun State TV	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	1 Magic Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Zee TV Africa	TV	DVB-S	3/4		27.500	Irdeto	Hindi
	Sub-Sahara Africa	Maisha Magic Bongo	TV	DVB-S	3/4		27.500	Irdeto	Swahili
	Sub-Sahara Africa	Zee World	TV	DVB-S	3/4		27.500	Irdeto	English,Portuguese
	Sub-Sahara Africa	M-Net Movies Zone	TV	DVB-S	3/4		27.500	Irdeto	English
11.881	V Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	TV Zimbo	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Sub-Sahara Africa	Mindset Learn	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	TBN Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Planet TV	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	TNT Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Trigger	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	BBC World Service English	radio	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	BBC World Service en Français	radio	DVB-S	3/4		27.500	Irdeto	French
	Sub-Sahara Africa	DMX Chamber Music	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	BBC World Service Africa	radio	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	DMX Arias & Overtures	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	TransAfrica Radio	radio	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	DMX The Light	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	WRN English Africa & Middle East	radio	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	DMX Symphonic	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX House Party	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Light Classical	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Beautiful Instrumentals	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Contemporary Instrumentals	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Classic Rock	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Dance	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Hard Rock	radio	DVB-S	3/4		27.500	Irdeto	

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Access	Lang
11.900	Sub-Sahara Africa	DMX Alternative Rock	radio	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	DMX Y2K Hits	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Campus Rock	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Today's Hits	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Power Hits	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Urban Beat	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX 90's Hits	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX 70's Hits	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Golden Oldies	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Soft Hits	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Adult Contemporary	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX 80's Hits	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Urban Adult Contemporary	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Classic R&B	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Smooth Jazz	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Classic Jazz	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Love Songs	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX African Rhythms	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Familiar Favourites	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Reggae	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Gospel	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX French Contemporary	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	Hot 96	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Groove Lounge	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Cityscapes	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Blues	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Trots Afrikaans	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Traditional Country	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Italian Contemporary	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Metro Blend	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	DMX Modern Country	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	VoA Southern Africa	radio	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	Citi FM	radio	DVB-S	3/4		27.500	Irdeto	
	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
	Russia	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess	Portuguese,English
	Sub-Sahara Africa	CBS Reality South Africa	TV	DVB-S	3/4		27.500	Irdeto	
	Russia	Da Vinci	TV	DVB-S2	3/4		27.500	Viaccess	
	Sub-Sahara Africa	SuperSport 5 Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	TV 1000 East	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Cartoon Network Middle East & Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	TV 1000 Action	TV	DVB-S2	3/4		27.500	Viaccess	Russian

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
11.919	Sub-Sahara Africa	National Geographic South Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	TV 1000 Russkoe Kino	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Africa Magic Epic	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Viasat Explore Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Russia	Viasat History	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Russia	Viasat Nature East	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Sub-Sahara Africa	Sky News International	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Viasat Sport East	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Russia	Extreme Sports Channel	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Sub-Sahara Africa	STN	TV	DVB-S	3/4		27.500	Irdeto	Somali
	Russia	Tochka Otryva	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Africa Magic Yoruba	TV	DVB-S	3/4		27.500	Irdeto	
	Russia	Perviy Obrazovatelnyy	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Africa Magic Hausa	TV	DVB-S	3/4		27.500	Irdeto	Hausa
	Russia	Domashnie Zhivotnye	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	SuperSport 4 Nigeria	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Usadba	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	EuroNews Russkiy	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	SuperSport Blitz Nigeria	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Fox Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Sub-Sahara Africa	SuperSport Blitz Angola	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Russia	Nat Geo Wild Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Sub-Sahara Africa	SuperSport 4 Angola	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Russia	Armenia TV Satellite	TV	DVB-S2	3/4		27.500	Viaccess	Armenian
	Sub-Sahara Africa	SuperSport 5 Angola	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Russia	Paramount Comedy Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Mama	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Paramount Channel Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Ocean TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	CCTV 4 Europe	TV	DVB-S2	3/4		27.500	Viaccess	Chinese
	Russia	CGTN	TV	DVB-S2	3/4		27.500	Viaccess	English
	Russia	CGTN Russkij	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Mezzo	TV	DVB-S2	3/4		27.500	Viaccess	French
	Russia	Bashkirskoe Sputnikovoe TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Pervyy Vegetarianskiy	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	DFM	radio	DVB-S2	3/4		27.500		Russian
	L Russia	Tricolor TV	package	DVB-S2	3/4		27.500	Exset/DRE-Crypt	
	Sub-Sahara Africa	EBS	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	NTA News 24	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Nash Futbol	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Fana TV	TV	DVB-S	3/4		27.500	Irdeto	Amharic
	Sub-Sahara Africa	NTA 2	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Nochnoy Club	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	NTA Parliament	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Russkaya Noch	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Olala	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Brazzers TV Europe	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	English
	Sub-Sahara Africa	Y254	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Dom Kino Premium	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Pop Central	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Nickelodeon HD	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Switch TV	TV	DVB-S	3/4		27.500	Irdeto	English

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
11.938	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
	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
	Russia	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess	
	Sub-Sahara Africa	CGTN	TV	DVB-S	3/4		27.500		English
	Russia	Fox Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Sub-Sahara Africa	CCTV 4 Europe	TV	DVB-S	3/4		27.500		Chinese
	Russia	VIP Comedy	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	AIT International	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	VIP Megahit	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Discovery Family Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	VIP Premiere	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Boomerang EMEA	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Viasat Nature HD	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Nick Jr Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Viasat History HD	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Aljazeera English	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Viasat Sport East	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Daystar TV	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Eurosport 2 Rossiya	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Sub-Sahara Africa	MITV	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Fashion Television Africa	TV	DVB-S	3/4		27.500	Irdeto	English
11.958	V Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
	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	Portuguese
	Russia	Rossiia 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	Record TV África	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Sub-Sahara Africa	MTV Portugal	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Russia	Nat Geo Wild Europe	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	National Geographic Portugal	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	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
	Russia	Fashion Television Europe	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	English
	Sub-Sahara Africa	Lifetime South Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Gloom Channel	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Sub-Sahara Africa	MundoFox	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Sub-Sahara Africa	SIC Notícias	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Sub-Sahara Africa	Vida TV	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
	Russia	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess	
	Sub-Sahara Africa	E! Europe	TV	DVB-S	3/4		27.500	Irdeto	English
11.977	Russia	Perviy kanal	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Canal + Centre	TV	DVB-S	3/4		27.500	Irdeto	French
	Russia	NTV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	E! Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	TV Centr Ural	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	TNT	TV	DVB-S2	3/4		27.500	Viaccess	Russian

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
11.996	Sub-Sahara Africa	TV 5 Monde Afrique	TV	DVB-S	3/4		27.500	Irdeto	French
	Sub-Sahara Africa	IO	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Russia	Moya Planeta	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Nauka	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Sony Max South Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	BelRos	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	NDTV 24x7	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	History Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Sub-Sahara Africa	NTA International	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	MCM Top Russia	TV	DVB-S2	3/4		27.500	Viaccess	French
	Sub-Sahara Africa	RTP Internacional Europa	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Russia	Astrakhan 24	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Eva +	TV	DVB-S	3/4		27.500	Irdeto	English,Portuguese
	Sub-Sahara Africa	ITV Choice Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Outdoor Channel International	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Sub-Sahara Africa	Food Network EMEA	TV	DVB-S	3/4		27.500	Irdeto	English,Portuguese
	Russia	Ru TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Travel Channel Europe	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Sub-Sahara Africa	Radio France Internationale	radio	DVB-S	3/4		27.500	Irdeto	French
	Russia	RT Documentary	TV	DVB-S2	3/4		27.500	Viaccess	English
	Russia	RT News	TV	DVB-S2	3/4		27.500	Viaccess	English
	Russia	RTG TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English,Turkish
	Russia	Juvelirochka	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Bridge TV Dance	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	CNN International Europe	TV	DVB-S2	3/4		27.500	Viaccess	English
	Russia	TNT 4	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Ani	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Istoriya Telekanal	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Mir 24	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Sankt Peterburg	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	V Sub-Sahara Africa	DSTV Africa	package	DVB-S2	3/4		27.500	Irdeto	
	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	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
	Sub-Sahara Africa	Record TV África	TV	DVB-S2	3/4		27.500	Irdeto	Portuguese
	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	Portuguese
	Sub-Sahara Africa	AXN Portugal	TV	DVB-S2	3/4		27.500	Irdeto	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	English
	Sub-Sahara Africa	Cine Mundo	TV	DVB-S2	3/4		27.500	Irdeto	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	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
	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

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	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	Hit FM	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	Russkoe 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 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	Radio Chanson	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	Maximum 103.7 FM	radio	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Radio Rus	radio	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Srana 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 Iskatel	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	Novoe Radio	radio	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Sport FM	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	Modnoe Radio	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	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	
	Russia	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess	
	Sub-Sahara Africa	JimJam Europe	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	NTV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Animal Planet Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Sub-Sahara Africa	EuroNews English	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	InfoSport +	TV	DVB-S	3/4		27.500	Irdeto	French
	Russia	Konniy Mir	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	EuroNews Français	TV	DVB-S	3/4		27.500	Irdeto	French
	Russia	Match!	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Dom Kino Premium	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Rai Italia Africa	TV	DVB-S	3/4		27.500	Irdeto	Italian
	Russia	Bridge HD	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	Emmanuel TV	TV	DVB-S	3/4		27.500	Irdeto	English

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
12.034	V Sub-Sahara Africa	Hip TV	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	TNT	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Sub-Sahara Africa	EuroNews Deutsch	TV	DVB-S	3/4		27.500	Irdeto	German
	Sub-Sahara Africa	Eva	TV	DVB-S	3/4		27.500	Irdeto	English,Portuguese
	Sub-Sahara Africa	EuroNews Português	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Sub-Sahara Africa	Spice	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Radio Okapi	radio	DVB-S	3/4		27.500		French
	V Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
	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	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	English
	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
	Sub-Sahara Africa	TV E	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	ETV	TV	DVB-S	3/4		27.500	Irdeto	Amharic
	Russia	Match!	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Kingdom Africa TV	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Nash Kinoroman	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	Telemundo Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Travel + Adventure	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian,English
	Sub-Sahara Africa	France 24 Français	TV	DVB-S	3/4		27.500	Irdeto	French
	Russia	Radio Monte Carlo	radio	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	EWTN Africa & Asia	TV	DVB-S	3/4		27.500	Irdeto	English
	Russia	Maks FM	radio	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Sub-Sahara Africa	CGTN Documentary	TV	DVB-S	3/4		27.500		English
12.054	H Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
	Russia	Tricolor TV	package	DVB-S2	?		27.500	Exset/DRE-Crypt	
	Russia	#C4K360	TV	DVB-S2	?		27.500	Exset/DRE-Crypt	English
	Sub-Sahara Africa	M-Net East	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	BBC Brit South Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	M-Net Movies All Stars	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	SuperSport 2 Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	BBC World News Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	MTV Base Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	M-Net Movies Action Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Disney Channel South Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Zambezi Magic	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Crime + Investigation UK	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	SuperSport 2 Nigeria	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	SuperSport 2 Angola	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Sub-Sahara Africa	SuperSport 9 Nigeria	TV	DVB-S	3/4		27.500	Irdeto	English
12.073	V Sub-Sahara Africa	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	Palanca TV	TV	DVB-S	3/4		27.500	Irdeto	Portuguese

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Sub-Sahara Africa	Gh One	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	GBS	TV	DVB-S	3/4		27.500	Irdeto	
	Sub-Sahara Africa	Adom TV	TV	DVB-S	3/4		27.500	Irdeto	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	English
	Sub-Sahara Africa	NBS TV	TV	DVB-S	3/4		27.500	Irdeto	Swahili
	Sub-Sahara Africa	United TV	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	TV 3	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Lagos TV	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	StarLife	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Dove TV	TV	DVB-S	3/4		27.500	Irdeto	English
12.092	R Russia	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess	
	Russia	Telekanal 2x2	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	A1	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Russia	Amedia Hit	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Russia	A Premium HD	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Russia	Dialogi o rybalke	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	CBS Reality Europe	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Russia	Evrokino	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Nashe TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Bollywood HD	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Russkiy Illusion	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	AMC Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Russia	TV Centr	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Moskva 24	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Sovershenno Sekretno TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	TV XXI	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	A2	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Bridge TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Bridge TV Russkiy Hit	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Playboy TV Europe	TV	DVB-S2	3/4		27.500	Viaccess	English
	Russia	Tiji Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Gulli Girl	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	BBC World News Europe	TV	DVB-S2	3/4		27.500	Viaccess	English
	Russia	Perviy Meteo	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Malysh	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Prosveshenie	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Dikiy	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Izvestia TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
12.130	R Russia	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess	
	Russia	Nat Geo Wild Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	RTG HD	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English,Turkish
	Russia	Mezzo Live HD	TV	DVB-S2	3/4		27.500	Viaccess	
	Russia	Perviy kanal	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	Rossiya 1	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Russia	1HD	TV	DVB-S2	3/4		27.500	Viaccess	Russian
12.149	L Russia	Tricolor TV	package	DVB-S2	3/4		27.500	Exset/DRE-Crypt	
	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	Ryzhiiy	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	Zdorovye	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
	Russia	Zoo TV	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	Ryzhii	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Russia	EuroNews Russkiy	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	Bridge TV Russkiy Hit	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	Nash Kinoroman	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	
	Sub-Sahara Africa	M-Net West	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	M-Net Movies Premiere Africa East	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	SuperSport 1 Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	BBC Lifestyle South Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	SABC News	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	M-Net City	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Africa Magic Family	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	Faith Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	SuperSport 3 Angola	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Sub-Sahara Africa	TV Miramar	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Sub-Sahara Africa	SuperSport 1 Nigeria	TV	DVB-S	3/4		27.500	Irdeto	English
	Sub-Sahara Africa	SuperSport 1 Angola	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
12.542	V Eurasia	CNC World English	TV	DVB-S	3/4		2.220		English
12.545	H Eurasia	Al-Masara Al-Oula Satellite Channel	TV	DVB-S2	3/4		1.504		Arabic
12.549	H Eurasia	unknown	package	DVB-S2	3/4		3.333		
	Eurasia	Karbala Satellite Channel	TV	DVB-S2	3/4		3.333		Arabic
	Eurasia	Alquran	TV	DVB-S2	3/4		3.333		Arabic
12.552	H Eurasia	Al Nujaba TV	TV	DVB-S2	3/4		1.481		Arabic
12.556	H Eurasia	Assirat TV	TV	DVB-S2	5/6		1.110		Arabic
12.558	H Eurasia	Libya Panorama Channel	TV	DVB-S2	3/4		1.481	BISS	Arabic
12.572	V Eurasia	Al-Etejah Satellite Channel	TV	DVB-S2	3/4		2.000		Arabic
	Eurasia	Radio Aletejah	radio	DVB-S2	3/4		2.000		Arabic

EUTELSAT 36C

11.747	R Fixed 1	Tricolor TV	package	DVB-S2	3/4		27.500	Exset/DRE-Crypt	
	Fixed 1	Perviy Yaroslavskiy	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Feniks+Kino	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	TNV Planeta	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	BelRos	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	TRK Sever	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	NTV Hit	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	Telekanal 360°	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Bashkirkoe Sputnikovoe TV	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Osetiya-Iryston	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	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	Chuvash En	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	Mir Belogorya TV	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
12.073	Fixed 1	Don 24	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
	L Fixed 1	Tricolor TV	package	DVB-S2	3/4		27.500	Exset/DRE-Crypt	
	Fixed 1	NTV	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	Match! Arena	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Kinozal 1	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Kinozal 2	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Kinozal 3	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Kinozal 4	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Kinozal 5	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Kinozal 6	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
12.092	Fixed 1	Kinozal 7	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Kinozal 8	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Kinozal 9	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Kinozal 10	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
12.111	Fixed 1	Kinozal 11	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Kinozal 12	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	H Fixed 2	DSTV Africa	package	DVB-S2	2/3		27.500	Irdeto	
	Fixed 2	TLC Africa	TV	DVB-S2	2/3		27.500	Irdeto	English
12.130	Fixed 2	Discovery Family Africa	TV	DVB-S2	2/3		27.500	Irdeto	English
	Fixed 2	Investigation Discovery Africa	TV	DVB-S2	2/3		27.500	Irdeto	English
	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	Pervyy Vegetarianskiy	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	Tochka TV	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	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
	Fixed 1	Pes i Ko	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Shopping Live	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Top Shop TV Russia	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	E	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
12.169	H Fixed 2	DSTV Africa	package	DVB-S	2/3		27.500	Irdeto	
	Fixed 2	SuperSport 11 Nigeria	TV	DVB-S	2/3		27.500	Irdeto	English
	Fixed 2	SuperSport 12 Nigeria	TV	DVB-S	2/3		27.500	Irdeto	English
	Fixed 2	M-Net Movies Premiere Africa West	TV	DVB-S	2/3		27.500	Irdeto	English
	Fixed 2	M-Net Movies Smile Africa	TV	DVB-S	2/3		27.500	Irdeto	English
	Fixed 2	SuperSport 11 Angola	TV	DVB-S	2/3		27.500	Irdeto	Portuguese
	H Fixed 2	DSTV Africa	package	DVB-S2	2/3		27.500	Irdeto	
	Fixed 2	Africa Magic Showcase Africa	TV	DVB-S2	2/3		27.500	Irdeto	English
	Fixed 2	SuperSport 3 Nigeria	TV	DVB-S2	2/3		27.500	Irdeto	English
	Fixed 2	Maisha Magic East	TV	DVB-S2	2/3		27.500	Irdeto	Swahili
12.174	Fixed 2	SuperSport 7 Nigeria	TV	DVB-S2	2/3		27.500	Irdeto	English
	Fixed 2	SuperSport Máximo 1	TV	DVB-S2	2/3		27.500	Irdeto	Portuguese
	Fixed 2	SuperSport Blitz Angola	TV	DVB-S2	2/3		27.500	Irdeto	Portuguese
	Fixed 2	SuperSport Blitz Nigeria	TV	DVB-S2	2/3		27.500	Irdeto	English
	Fixed 2	SuperSport Máximo 2 Africa	TV	DVB-S2	2/3		27.500	Irdeto	English
	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
	H Fixed 2	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
12.207	Fixed 1	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess	
	Fixed 1	Eurosport 1 Rossiya	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Fixed 2	SuperSport 7 Nigeria	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 1	National Geographic Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Fixed 2	SuperSport 5 Nigeria	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 1	A Premium HD	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Fixed 2	SuperSport 3 Nigeria	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 1	History Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Fixed 2	Rwanda TV	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	OnMax	TV	DVB-S	3/4		27.500	Irdeto	English

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
	Fixed 1	TLC Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Fixed 1	Travel Channel Europe	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Fixed 1	Bollywood HD	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 2	Galaxy TV	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	KBC Channel 1	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	Ebru TV Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	Wap TV	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	TV Imaan	TV	DVB-S	3/4		27.500	Irdeto	
	Fixed 2	Fiesta GH	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	Kameme TV	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	Nation FM	radio	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	KBC English Service	radio	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	KBC Idhaa	radio	DVB-S	3/4		27.500	Irdeto	Swahili
	Fixed 2	Coro FM	radio	DVB-S	3/4		27.500	Irdeto	Kikuyu
	Fixed 2	Eastern Service	radio	DVB-S	3/4		27.500	Irdeto	
	Fixed 2	Nosim FM	radio	DVB-S	3/4		27.500	Irdeto	
	Fixed 2	Mwatu FM	radio	DVB-S	3/4		27.500	Irdeto	
	Fixed 2	Radio Maisha	radio	DVB-S	3/4		27.500	Irdeto	
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	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	TV Centr	TV	DVB-S	3/4		27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Teleinstruktor	TV	DVB-S	3/4		27.500		Russian
	Fixed 1	TV 2 TV	TV	DVB-S	3/4		27.500		Russian
	Fixed 1	TV-TV	TV	DVB-S	3/4		27.500		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	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	
	Fixed 1	8 Kanal	TV	DVB-S2	3/4		27.500		Russian
	Fixed 1	Avto 24	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Detski Mir	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	TeleKlub	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Eurosport 1 Rossiya	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Fixed 1	Spike Rossiya	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Fixed 1	Zee TV Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	JimJam Rossiya	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Fixed 1	Nickelodeon CIS	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Fixed 1	Sony Channel Russia	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Fixed 1	Sony Sci-Fi Russia	TV	DVB-S2	3/4		27.500	Viaccess	English,Russian
	Fixed 1	Sony Turbo	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Fixed 1	Travel + Adventure	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
	Fixed 1	Prodvizhenie Moskva	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Zagorodnaya Zhizn	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Radost Moya	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	GTRK Groznyj	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Mir Seriala	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Bryanskaya Guberniya	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Lubimoe Kino	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Shanson TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Humor FM	radio	DVB-S2	3/4		27.500		Russian
	Fixed 1	Vesti FM	radio	DVB-S2	3/4		27.500		Russian
	Fixed 1	Radio Dlya Dvoih	radio	DVB-S2	3/4		27.500		Russian
	Fixed 1	Radio Mayak	radio	DVB-S2	3/4		27.500		Russian
	Fixed 1	Radio Romantika	radio	DVB-S2	3/4		27.500		Russian
	Fixed 1	Radio Rossii	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

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

Freq	Beam		Analog	Diff	Fec		Symbo l Rate	Acces	Lang
12.303	Fixed 1	Muzika Pervogo	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Telecafé	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	V Fixed 2	DSTV Africa	package	DVB-S	3/4		27.500	Irdeto	
	Fixed 2	ZNBC TV 1	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	EbonyLife TV	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	TCV Internacional	TV	DVB-S	3/4		27.500	Irdeto	Portuguese
	Fixed 2	Fox Life Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	ZNBC TV 2	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	Arise News	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	Rok 2	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	TV Africa	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 2	Bukedde TV 2	TV	DVB-S	3/4		27.500	Irdeto	
12.322	Fixed 2	Rok 3	TV	DVB-S	3/4		27.500	Irdeto	English
	Fixed 1	Che!	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	R Fixed 1	NTV Plus	package	DVB-S2	3/4		27.500	Viaccess	
	Fixed 1	365 dnei TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Auto Plus	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Europa Plus TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Indijskoe Kino	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Kinomiks	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Kinosvidanie	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Kinohit	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Kinokomedija	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Kto est kto	TV	DVB-S2	3/4		27.500	Viaccess	Russian
12.341	Fixed 1	Kuhnya TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	La Minor	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Match! Planeta	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Kinoserija	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Muzhskoe Kino	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Rodnoe Kino	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Nashe Novoe Kino	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Nostalgia	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Nuart TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Kinosemja	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Russkaya Noch	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	Egoist TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
12.341	Fixed 1	Zhara	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Fixed 1	KVN TV	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	V Fixed 2	DSTV Africa	package	DVB-S2	2/3		27.500	Irdeto	
	Fixed 1	NTV Plus	package	DVB-S	3/4		27.500	Viaccess	
	Fixed 1	Perviy kanal	TV	DVB-S	3/4		27.500	Viaccess	Russian
	Fixed 2	SuperSport 1 Africa	TV	DVB-S2	2/3		27.500	Irdeto	English
	Fixed 1	Domashniy	TV	DVB-S	3/4		27.500	Viaccess	Russian
	Fixed 2	SuperSport 4 Africa	TV	DVB-S2	2/3		27.500	Irdeto	English
	Fixed 1	Kuban 24 Orbita	TV	DVB-S	3/4		27.500		Russian
	Fixed 2	SuperSport 11 Africa	TV	DVB-S2	2/3		27.500	Irdeto	English
	Fixed 2	SuperSport 12 Africa	TV	DVB-S2	2/3		27.500	Irdeto	English
	Fixed 1	TV Guberniya	TV	DVB-S	3/4		27.500	Viaccess	Russian
12.341	Fixed 1	STS	TV	DVB-S	3/4		27.500	Viaccess	Russian
	Fixed 2	SuperSport 1 Nigeria	TV	DVB-S2	2/3		27.500	Irdeto	English
	Fixed 1	STS Love	TV	DVB-S	3/4		27.500	Viaccess	Russian
	Fixed 2	SuperSport 4 Nigeria	TV	DVB-S2	2/3		27.500	Irdeto	English
	Fixed 2	SuperSport 11 Nigeria	TV	DVB-S2	2/3		27.500	Irdeto	English
	Fixed 1	TDK	TV	DVB-S	3/4		27.500	Viaccess	Russian
	Fixed 2	SuperSport 12 Nigeria	TV	DVB-S2	2/3		27.500	Irdeto	English
	Fixed 1	TNV Planeta	TV	DVB-S	3/4		27.500	Viaccess	Russian
	Fixed 2	SuperSport 1 Angola	TV	DVB-S2	2/3		27.500	Irdeto	Portuguese
	Fixed 1	Discovery Science	TV	DVB-S	3/4		27.500	Viaccess	Russian,English
	Fixed 2	SuperSport 4 Angola	TV	DVB-S2	2/3		27.500	Irdeto	Portuguese
	Fixed 1	NHK World Japan	TV	DVB-S	3/4		27.500		English
12.341	Fixed 2	SuperSport 11 Angola	TV	DVB-S2	2/3		27.500	Irdeto	Portuguese
	Fixed 1	Detskiy	TV	DVB-S	3/4		27.500	Viaccess	Russian
	Fixed 2	SuperSport 12 Angola	TV	DVB-S2	2/3		27.500	Irdeto	Portuguese
	Fixed 1	Zoo Park	TV	DVB-S	3/4		27.500	Viaccess	Russian

Freq	Beam		Analog	Diff	Fec	Symbl Rate	Access	Lang
12.360	Fixed 1	Kino TV	TV	DVB-S	3/4	27.500	Viaccess	Russian
	Fixed 1	Russkaya Komediya	TV	DVB-S	3/4	27.500	Viaccess	Russian
	Fixed 1	Rossiya 1	TV	DVB-S	3/4	27.500	Viaccess	Russian
	H Fixed 2	DSTV Africa	package	DVB-S	2/3	26.480	Irdeto	
	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	English
	Fixed 1	Insight UHD	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian,English
	Fixed 1	Kino UHD	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 2	Spark TV	TV	DVB-S	2/3	26.480	Irdeto	English
	Fixed 2	Trybe TV	TV	DVB-S	2/3	26.480	Irdeto	English
	Fixed 2	Clouds TV	TV	DVB-S	2/3	26.480	Irdeto	English
	Fixed 2	TVI 24 África	TV	DVB-S	2/3	26.480	Irdeto	Portuguese
	Fixed 2	TVI África	TV	DVB-S	2/3	26.480	Irdeto	Portuguese
	Fixed 2	Urban TV	TV	DVB-S	2/3	26.480	Irdeto	English
	Fixed 2	Arewa 24	TV	DVB-S	2/3	26.480	Irdeto	Hausa
	Fixed 2	TV West	TV	DVB-S	2/3	26.480	Irdeto	English
	Fixed 2	Kass TV	TV	DVB-S	2/3	26.480	Irdeto	English
	Fixed 2	Televista	TV	DVB-S	2/3	26.480	Irdeto	English
	Fixed 2	BBS TV	TV	DVB-S	2/3	26.480	Irdeto	Swahili
	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	NTV Styl	TV	DVB-S2	3/4	27.500	Exset	Russian
	Fixed 1	O!2	TV	DVB-S2	3/4	27.500	Exset	Russian
	Fixed 1	TNT	TV	DVB-S2	3/4	27.500	Exset	Russian
	Fixed 1	Spike Rossiya	TV	DVB-S2	3/4	27.500	Exset	Russian
	Fixed 1	Kuhnya TV	TV	DVB-S2	3/4	27.500	Exset	Russian
	Fixed 1	Sovershenno Sekretno TV	TV	DVB-S2	3/4	27.500	Exset	Russian
	Fixed 1	NTV Serial	TV	DVB-S2	3/4	27.500	Exset	Russian
	Fixed 1	NTV Pravo	TV	DVB-S2	3/4	27.500	Exset	Russian
	Fixed 1	Nano TV	TV	DVB-S2	3/4	27.500	Exset	Russian
12.399	R Fixed 1	NTV Plus	package	DVB-S2	3/4	27.500	Viaccess	
	Fixed 1	Kinopremyera	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Match! Igra	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Match! Arena	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Discovery Channel Russia	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Fixed 1	KHL TV HD	TV	DVB-S2	3/4	27.500	Viaccess	Russian
12.418	L Fixed 1	Thum	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Eureka	TV	DVB-S2	5/6	30.000	Exset/DRE-Crypt	Russian
12.437	R Fixed 1	NTV Plus	package	DVB-S2	3/4	27.500	Viaccess	
	Fixed 1	REN TV	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Karusel	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Fine Living	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Fixed 1	Fashion TV Russia	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	NTV Pravo	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Mult	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	NTV Serial	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	ACB TV	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Telekanal Zvezda	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	NTV Hit	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	5 Kanal	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Morskoi	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	NTV Styl	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Food Network Russia	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Fixed 1	Moskva Telekanal	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Zhivi!	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Sarafan	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Mult i muzyka	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Russkiy Bestseller	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Boks TV	TV	DVB-S2	3/4	27.500	Viaccess	Russian

Freq	Beam		Analog	Diff	Fec	Symbo l Rate	Access	Lang
	Fixed 1	Russkiy Roman	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	V Gostyakh u Skazki	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Multimania	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Fixed 1	Barely Legal TV	TV	DVB-S2	3/4	27.500	Viaccess	English
	Fixed 1	Dorama	TV	DVB-S2	3/4	27.500	Viaccess	Russian
12.440	H Fixed 2	DSTV Africa	package	DVB-S	2/3	27.500	Irdeto	
	Fixed 2	Wazobia Max Lagos	TV	DVB-S	2/3	27.500	Irdeto	English
	Fixed 2	KTN Home	TV	DVB-S	2/3	27.500	Irdeto	English
	Fixed 2	NTV	TV	DVB-S	2/3	27.500	Irdeto	English
	Fixed 2	NTV Uganda	TV	DVB-S	2/3	27.500	Irdeto	English
	Fixed 2	UBC TV	TV	DVB-S	2/3	27.500	Irdeto	
	Fixed 2	KTN News	TV	DVB-S	2/3	27.500	Irdeto	English
	Fixed 2	K24	TV	DVB-S	2/3	27.500	Irdeto	English
	Fixed 2	Bukedde TV 1	TV	DVB-S	2/3	27.500	Irdeto	
	Fixed 2	Channel 44	TV	DVB-S	2/3	27.500	Irdeto	English
	Fixed 2	TV 10	TV	DVB-S	2/3	27.500	Irdeto	English
	Fixed 2	Channels TV	TV	DVB-S	2/3	27.500	Irdeto	English
	Fixed 2	Silverbird TV	TV	DVB-S	2/3	27.500	Irdeto	English
12.456	L Fixed 1	Tricolor TV	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Fixed 1	KHL TV HD	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	Diskont	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Juvelirochka	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	Super	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 1	English Club TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	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	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	Juvelirochka Moda	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	Konniy Mir	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
12.476	H Fixed 2	DSTV Africa	package	DVB-S	2/3	27.500	Irdeto	
	Fixed 1	Tricolor TV	package	DVB-S2	3/4	27.500	Exset/DRE-Crypt	
	Fixed 2	Phoenix CNE	TV	DVB-S	2/3	27.500	Irdeto	Chinese
	Fixed 1	Russkij Extrem	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	Fixed 1	CNN International Europe	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Fixed 2	China Movie	TV	DVB-S	2/3	27.500	Irdeto	Chinese
	Fixed 2	CCTV Entertainment	TV	DVB-S	2/3	27.500	Irdeto	Chinese
	Fixed 1	DW English	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Fixed 1	France 24 English	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Fixed 2	Metro TV	TV	DVB-S	2/3	27.500	Irdeto	English
	Fixed 1	RT News	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Fixed 2	Zhejiang TV	TV	DVB-S	2/3	27.500	Irdeto	Chinese
	Fixed 2	Iqraa Arabic	TV	DVB-S	2/3	27.500	Irdeto	Arabic
	Fixed 1	RT Documentary	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Fixed 2	Hunan TV International	TV	DVB-S	2/3	27.500	Irdeto	Chinese
	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 2	Dragon TV International	TV	DVB-S	2/3	27.500	Irdeto	Chinese
	Fixed 2	DW Deutsch	TV	DVB-S	2/3	27.500	Irdeto	German
	Fixed 1	NHK World Japan	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	English
	Fixed 2	Rok DSTV	TV	DVB-S	2/3	27.500	Irdeto	English
	Fixed 1	TDK	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 2	ITV	TV	DVB-S	2/3	27.500	Irdeto	English
	Fixed 1	Zhivi!	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 2	Rhythm	radio	DVB-S	2/3	27.500	Irdeto	English
	Fixed 2	Ray Power	radio	DVB-S	2/3	27.500	Irdeto	English
	Fixed 1	365 dnei TV	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian
	Fixed 2	Star FM 101.5	radio	DVB-S	2/3	27.500	Irdeto	English
	Fixed 1	Zee TV Russia	TV	DVB-S2	3/4	27.500	Exset/DRE-Crypt	Russian

EXPRESS AT1

Freq		Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
11.881	L	Wide	Tricolor TV Sibir	package	DVB-S2	3/4		27.500	Exset/DRE-Crypt	
		Wide	Eda	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
		Wide	Rossiia 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	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	Super	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	V mire zhivotnykh	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	Romantichnoye	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	Babes TV	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	English
		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	Elki TV	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	Tricolor TV Sibir	package	DVB-S2	3/4		27.500	Exset/DRE-Crypt	
		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	Russkij Extrem	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	Russkaya Noch	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	Olala	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	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	Priklyucheniya 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	Zdorovye	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
12.111	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	
	L East	Tricolor TV Sibir	package	DVB-S2	3/4		27.500		
	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	Tricolor TV Sibir	package	DVB-S2	3/4		27.500	Exset/DRE-Crypt	
	East	Perviy kanal	TV	DVB-S2	3/4	Y	27.500	Exset/DRE-Crypt	Russian
	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	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	TV Centr Sibirija	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	Telekanal Spas	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	Domashniy	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	East	TV 3	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	East	Pyatnitsa!	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	Mir	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	Muz TV	TV	DVB-S2	3/4		27.500	Exset/DRE-Crypt	Russian
	East	Leomax	TV	DVB-S2	3/4		27.500		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	
	East	Match!	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	KHL TV	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Auto Plus	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Match! Boets	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Europa Plus TV	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Indijskoe Kino	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Telekanal Spas	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Kinokomedija	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Kuhnya TV	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	La Minor	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Kinoserija	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	365 dnei TV	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	OTR	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Bridge TV Russkiy Hit	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	RBK TV	TV	DVB-S2	5/6		27.500	Viaccess	Russian

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	East	Bridge TV	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Konniy Mir	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Rossiya 24	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Sovershenno Sekretno TV	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Bollywood HD	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Moya Planeta	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Outdoor Channel International	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	World Fashion Channel Russia	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Muzhskoe Kino	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Playboy TV Europe	TV	DVB-S2	5/6		27.500	Viaccess	English
	East	Russkaya Noch	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Nostalgia	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	NHK World Japan	TV	DVB-S2	5/6		27.500		English
	East	M-1 Global TV	TV	DVB-S2	5/6		27.500	Viaccess	Russian
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	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	Kanal Teleputeshestviya	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	Tricolor TV Sibir promo	TV	DVB-S	3/4		27.500		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	Nochnoy Club	TV	DVB-S	3/4		27.500	Exset/DRE-Crypt	Russian
	East	Elki TV	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	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	Vostok FM	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
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	Ostrosyuzhetnoye Kino HD	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	Nashe Lyubimoe	TV	DVB-S	3/4		27.500	Exset/DRE-Crypt	Russian
	East	National Geographic Russia	TV	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	
	East	Perviy kanal	TV	DVB-S2	5/6	Y	27.500	Viaccess	Russian
	East	Rossiya 1	TV	DVB-S2	5/6	Y	27.500	Viaccess	Russian
	East	NTV	TV	DVB-S2	5/6	Y	27.500	Viaccess	Russian
	East	5 Kanal	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Rossiya K	TV	DVB-S2	5/6	Y	27.500	Viaccess	Russian
	East	Karusel	TV	DVB-S2	5/6	Y	27.500	Viaccess	Russian
	East	TV Centr Ural	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	REN TV	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	STS	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Domashniy	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	TV 3	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Pyatnitsa!	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Telekanal Zvezda	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Mir	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	TNT	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	STS Love	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	TNT 4	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	U	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Kanal Disney	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	Prodvizhenie Sibir	TV	DVB-S2	5/6		27.500	Viaccess	Russian
	East	NTV Pravo	TV	DVB-S2	5/6		27.500	Viaccess	Russian

Freq	Beam		Analog	Diff	Fec	Symbl Rate	Access	Lang
	East	NTV Styl	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	TNV Planeta	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Muz TV	TV	DVB-S2	5/6	27.500	Viaccess	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	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
	East	Vesti FM	radio	DVB-S2	5/6	27.500		Russian
	East	Radio Mayak	radio	DVB-S2	5/6	27.500		Russian
	East	Radio Rossii	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	V Gostyakh u Skazki	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Telekanal 360°	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	Dom Kino Premium	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	Russkiy Roman	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
	East	Shanson TV	TV	DVB-S2	3/4		27.500	DRE-Crypt	Russian
	East	NST	TV	DVB-S2	3/4		27.500	DRE-Crypt	Russian
	East	Russkiy Detektiv	TV	DVB-S2	3/4		27.500	DRE-Crypt	Russian
	East	TNV Planeta	TV	DVB-S2	3/4		27.500	DRE-Crypt	Russian
	East	Candy TV	TV	DVB-S2	3/4		27.500	DRE-Crypt	Russian
	East	CandyMan TV	TV	DVB-S2	3/4		27.500	DRE-Crypt	Russian
	East	Shop 24	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	
	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	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	Detskoe Radio	radio	DVB-S2	3/4		27.500	DRE-Crypt	Russian
	East	Radio Rodnux Dorog	radio	DVB-S2	3/4		27.500	DRE-Crypt	Russian
	East	Novoe 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
12.322	R	East	NTV Plus Vostok	package	DVB-S2	5/6	27.500	Viaccess	
		East	Kinosemja	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	Kinosvidanie	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	Kinohit	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	Nashe Novoe Kino	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	Kinomiks	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	Rodnoe Kino	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	Nashe TV	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	Muz TV	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	Mama	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	A2	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	A1	TV	DVB-S2	5/6	27.500	Viaccess	Russian,English
		East	Russkij Extrem	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	Dikiy	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	Telekanal 2x2	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	RT Doc	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	Telekanal Doktor	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	NTV Serial	TV	DVB-S2	5/6	27.500	Viaccess	Russian
		East	Telekanal O!	TV	DVB-S2	5/6	27.500	Viaccess	Russian

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
	East	Kto est kto	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Boks TV	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Discovery Science	TV	DVB-S2	5/6	27.500	Viaccess	Russian,English
	East	Investigation Discovery Rossiya	TV	DVB-S2	5/6	27.500	Viaccess	Russian,English
	East	Tvoy Dom	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Tiji Russia	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Gulli Girl	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Ani	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	TDK	TV	DVB-S2	5/6	27.500	Viaccess	Russian
12.341	L East	Tricolor TV Sibir	package	DVB-S2	3/4	27.500	DRE-Crypt	
	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	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	Perviy kanal	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	East	RTG HD	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	Travel + Adventure	TV	DVB-S2	3/4	27.500	DRE-Crypt	Russian
	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	
	East	Domashnie Zhivotnye	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Avto 24	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	CCTV 4 Asia	TV	DVB-S2	5/6	27.500	Viaccess	Chinese
	East	CGTN Russkij	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Detektiv TV	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Fashion TV Russia	TV	DVB-S2	5/6	27.500	Viaccess	
	East	Radost Moya	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Sarafan	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Usadba	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Zagorodnaya Zhizn	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Zoo Park	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Detskiy	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Ocean TV	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Mir Seriala	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Mult	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	NST	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Russkiy Bestseller	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Russkiy Roman	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Shanson TV	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Sony Sci-Fi Russia	TV	DVB-S2	5/6	27.500	Viaccess	Russian,English
	East	Fine Living	TV	DVB-S2	5/6	27.500	Viaccess	Russian,English
	East	Food Network Russia	TV	DVB-S2	5/6	27.500	Viaccess	Russian,English
	East	Sony Channel Russia	TV	DVB-S2	5/6	27.500	Viaccess	Russian,English
	East	Viasat Sport East	TV	DVB-S2	5/6	27.500	Viaccess	Russian,English
	East	Nick Jr Central & Eastern Europe	TV	DVB-S2	5/6	27.500	Viaccess	Russian,English
	East	Bloomberg TV Europe	TV	DVB-S2	5/6	27.500	Viaccess	English
	East	Zhivi!	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Vremya	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Amedia Hit	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	A Premium HD	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Armenia TV Satellite	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Dialogi o rybalke	TV	DVB-S2	5/6	27.500	Viaccess	Russian
12.476	R East	NTV Plus Vostok	package	DVB-S2	5/6	27.500	Viaccess	
	East	Match! Futbol 2	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Match!	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Match! Igra	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Match! Futbol 1	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Perviy kanal	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Nash Futbol	TV	DVB-S2	5/6	27.500	Viaccess	Russian
	East	Match! Futbol 3	TV	DVB-S2	5/6	27.500	Viaccess	Russian

EUTELSAT 70B

11.057	V Africa	Barmedas TV	TV	DVB-S2	2/3	30.000	English
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Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
	Africa	Kenyan mux	package	DVB-S2	?	30.000		
	Africa	KTN News	TV	DVB-S2	?	30.000		English
	Africa	KTN Home	TV	DVB-S2	?	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	Pyramida	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		
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		
	Asia	MCS Inter	TV	DVB-S2	2/5	11.401	Irdeto	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
11.609	H Asia	VoA TV China	TV	DVB-S2	?	5.406		Chinese
12.682	V Wide	MTA 1	TV	DVB-S2	1/2	16.046		Hindi,Urdu,English,French,German,Arabic,Bengali
	Wide	VoA Tibetan	radio	DVB-S2	1/2	16.046		
	Wide	Radio Free Asia Mandarin	radio	DVB-S2	1/2	16.046		Chinese
	Wide	Radio Free Asia Tibetan	radio	DVB-S2	1/2	16.046		

HOTBIRD 13B

10.815	H Wide	Suryoyo Sat	TV	DVB-S	5/6	27.500		Syriac
	Wide	VRT Radio 1	radio	DVB-S	5/6	27.500		Dutch
11.054	H Wide	BW TV	TV	DVB-S	5/6	27.500	Conax	German
	Wide	Radio Andernach	radio	DVB-S	5/6	27.500	Conax	German
11.075	V Wide	Media Broadcast Satellite	package	DVB-S2	3/4	30.000		
	Wide	Aristo TV	TV	DVB-S2	3/4	30.000		German
	Wide	Anixe	TV	DVB-S2	3/4	30.000		German
	Wide	Anixe HD Serie	TV	DVB-S2	3/4	30.000		German
11.471	V Wide	Kaleme TV	TV	DVB-S	5/6	27.500		Farsi
	Wide	SRTV	TV	DVB-S	5/6	27.500		Somali
	Wide	Alalam News Channel	TV	DVB-S	5/6	27.500		Arabic
	Wide	Universal TV	TV	DVB-S	5/6	27.500		Somali
	Wide	Rangarang Radio	radio	DVB-S	5/6	27.500		Farsi
11.566	H Wide	Belarus 24	TV	DVB-S2	3/4	29.900		Russian
	Wide	Qatar TV	TV	DVB-S2	3/4	29.900		Arabic
	Wide	TRT Arabi	TV	DVB-S2	3/4	29.900		Arabic
	Wide	Radio Belarus	radio	DVB-S2	3/4	29.900		
11.681	H Wide	RMC Story	TV	DVB-S2	3/4	27.500	Viaccess	French
11.785	H Wide	Cielo	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Classica HD	TV	DVB-S2	3/4	29.900	Videoguard	Italian
11.823	H Wide	Nova Stars	TV	DVB-S2	3/4	27.500	Irdeto	Greek
11.843	V Wide	Sky Cinema Drama	TV	DVB-S2	3/4	Y 29.900	Videoguard	Italian
	Wide	Sky Primafila 1	TV	DVB-S2	3/4	Y 29.900	Videoguard	Italian
	Wide	Sky Primafila 2	TV	DVB-S2	3/4	Y 29.900	Videoguard	Italian
	Wide	DAZN 1 Italia	TV	DVB-S2	3/4	Y 29.900	Videoguard	Italian
	Wide	DAZN 2 Italia	TV	DVB-S2	3/4	Y 29.900	Videoguard	Italian
11.938	H Wide	One Channel	TV	DVB-S2	3/4	27.500	Irdeto	Greek
11.958	V Wide	Sky Sport Arena	TV	DVB-S	3/4	27.500	Videoguard	Italian
	Wide	Boomerang Italia	TV	DVB-S	3/4	27.500	Videoguard	Italian
11.996	V Wide	Discovery Science Italia	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Cinema Suspense	TV	DVB-S2	3/4	29.900	Videoguard	Italian
12.015	H Wide	MTV Music Polska	TV	DVB-S2	3/4	27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish
12.034	V Wide	Sky Cinema Suspense	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Disney in English	TV	DVB-S	5/6	Y 29.900	Videoguard	English

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
	Wide	Nove	TV	DVB-S	5/6	29.900	Nagravision/Videoguard	Italian
	Wide	Vatican Radio 105 FM	radio	DVB-S	5/6	29.900		
12.054	H Wide	Sky Primafila 19	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Sport Football	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Deluxe 139	TV	DVB-S	5/6	29.900		Italian
	Wide	Food Network Italia	TV	DVB-S	5/6	29.900	Nagravision/Videoguard	Italian
	Wide	Sky Cinema Drama	TV	DVB-S	5/6	29.900	Videoguard	Italian
12.073	V Wide	Nove	TV	DVB-S	5/6	29.900	Nagravision/Videoguard	Italian
	Wide	Sky Primafila 12	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 10	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 6	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 4	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 2	TV	DVB-S	5/6	29.900	Videoguard	Italian
12.149	V Wide	M-Three satcom	package	DVB-S	3/4	27.500		
	Wide	ReteSette	TV	DVB-S	3/4	27.500		Italian
	Wide	Radio Cusano Campus	radio	DVB-S	3/4	27.500		Italian
	Wide	Radio Alamal FM	radio	DVB-S	3/4	27.500		Arabic
12.169	H Wide	Motorsport TV	TV	DVB-S2	3/4	27.500	Irdeto	Greek,English
	Wide	Animal Planet Africa	TV	DVB-S2	3/4	27.500	Irdeto	Greek
12.188	V Wide	Nat Geo Wild Polska	TV	DVB-S2	3/4	27.500	Irdeto/Nagravision	Polish,English
	Wide	Polsat Rodzina	TV	DVB-S2	3/4	27.500	Irdeto/Nagravision	Polish
	Wide	Vivid Touch	TV	DVB-S2	3/4	27.500	Irdeto/Nagravision/Viaccess	English
12.207	H Wide	Sky Sport Active 1	TV	DVB-S2	3/4	29.900	Videoguard	Italian
12.226	V Wide	Nastoyashcheye Vremya	TV	DVB-S	3/4	27.500		Russian
	Wide	VoA TV Europe	TV	DVB-S	3/4	27.500		
	Wide	VoA TV Global	TV	DVB-S	3/4	27.500		English
	Wide	VoA Eastern Europe	radio	DVB-S	3/4	27.500		
	Wide	Radio France Internationale	radio	DVB-S	3/4	27.500		French
12.265	V Wide	Crime + Investigation Polsat	TV	DVB-S2	3/4	27.500	Conax/Irdeto/Mediaguard/Nagravision	Polish,English
12.303	V Wide	unknown	package	DVB-S2	3/4	27.500		
	Wide	TBN Europe	TV	DVB-S2	3/4	27.500		English
	Wide	Life TV	TV	DVB-S2	3/4	27.500		Russian
	Wide	TCI	TV	DVB-S2	3/4	27.500		Italian
	Wide	Hillsong Channel	TV	DVB-S2	3/4	27.500		English
	Wide	Smile TV	TV	DVB-S2	3/4	27.500		English
	Wide	Juce TV	TV	DVB-S2	3/4	27.500		English
	Wide	Al Horreya TV	TV	DVB-S2	3/4	27.500		Arabic
	Wide	TBN Polska	TV	DVB-S2	3/4	27.500		Polish
	Wide	TBN Nejat TV	TV	DVB-S2	3/4	27.500		Farsi
	Wide	Kanal Hayat	TV	DVB-S2	3/4	27.500		Turkish
12.322	H Wide	Canal Um Europa	TV	DVB-S	3/4	27.500		Portuguese
	Wide	Shant News	TV	DVB-S	3/4	27.500		Armenian
	Wide	4U TV	TV	DVB-S	3/4	27.500		Farsi
	Wide	Channel Yek	TV	DVB-S	3/4	27.500		Farsi
	Wide	Velayat TV Network	TV	DVB-S	3/4	27.500		Farsi
	Wide	Nedaihaq TV	TV	DVB-S	3/4	27.500		Farsi
	Wide	PMC	TV	DVB-S	3/4	27.500		Farsi
	Wide	News One	TV	DVB-S	3/4	27.500		Ukrainian
	Wide	Iran International	TV	DVB-S	3/4	27.500		Farsi
12.341	V Wide	Sky Primafila 8	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Primafila 10	TV	DVB-S2	3/4	29.900	Videoguard	Italian
12.360	H 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
12.399	H Wide	Dubai TV International	TV	DVB-S2	2/3	29.700		Arabic
12.418	V Wide	Sky Primafila 6	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Primafila 4	TV	DVB-S2	3/4	29.900	Videoguard	Italian
	Wide	Sky Primafila 12	TV	DVB-S2	3/4	29.900	Videoguard	Italian
12.476	H Wide	Al Rayyan Al Qadeem	TV	DVB-S2	3/4	29.900		Arabic
12.520	V Wide	Angel TV Europe	TV	DVB-S	5/6	27.500		English
12.673	V Wide	Sky Primafila 23	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	A2i	TV	DVB-S	5/6	29.900		French
	Wide	Sky Primafila 20	TV	DVB-S	5/6	29.900	Videoguard	Italian
	Wide	Sky Primafila 3	TV	DVB-S	5/6	29.900	Videoguard	Italian

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
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EUTELSAT 12 WEST B

11.008	V Europe	Igreja Internacional da Graça de Deus	TV	DVB-S	3/4	2.141		Portuguese
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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
4.515	V C	TVE Bahia	TV	DVB-S	3/4	4.286		Portuguese
	C	Educadora FM	radio	DVB-S	3/4	4.286		Portuguese
4.518	V C	Canal Um Europa	TV	DVB-S	3/4	2.140		Portuguese
4.566	H C	TV Cachoeira	package	DVB-S2	3/4	5.083		
	C	TV Cachoeira	TV	DVB-S2	3/4	5.083		Portuguese
	C	TV Cachoeira	TV	DVB-S2	3/4	5.083		Portuguese
4.614	H C	TV Atalaia	TV	DVB-S2	3/4	2.400		Portuguese
	C	Xodó FM Aracaju	radio	DVB-S2	3/4	2.400		Portuguese
4.712	H C	TVE Bahia	package	DVB-S2	3/4	4.780		
	C	TVE Bahia	TV	DVB-S2	3/4	4.780		Portuguese
	C	TVE Bahia	TV	DVB-S2	3/4	4.780		Portuguese
	C	Educadora FM	radio	DVB-S2	3/4	4.780		Portuguese
4.770	V C	Eutelsat	package	DVB-S2	3/4	45.000		
	C	Eutelsat promo	TV	DVB-S2	3/4	45.000		
	C	Eutelsat promo	TV	DVB-S2	3/4	45.000		

EXPRESS AT2

12.226	L Ku	NTV Plus Dalniy Vostok	package	DVB-S2	3/4	27.500		
	Ku	Fashion One 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	Russian,English
12.245	R Ku	NTV Plus Dalniy Vostok	package	DVB-S2	3/4	27.500	Viaccess	
	Ku	Evrokino	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	Illusion +	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	Tochka Otryva	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	Russkiy Illusion	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	Animal Planet Russia	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	Cartoon Network Russia & South East Europe	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	Discovery Channel Russia	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	Fox Russia	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	Fox Life Russia	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	Detski Mir	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	TeleKlub	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	EuroNews Russkiy	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	Eurosport 1 Rossiya	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	Bober	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	Dom Kino	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	JimJam Rossiya	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	Morskoi	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	AMC Russia	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	Nat Geo Wild Russia	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	National Geographic Russia	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	Nickelodeon CIS	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	TLC Russia	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	TV XXI	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	V Gostyakh u Skazki	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	CBS Reality Europe	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	Extreme Sports Channel	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
	Ku	MTV Russia	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	Eurosport 2 Rossiya	TV	DVB-S2	3/4	27.500	Viaccess	Russian,English
12.303	L Ku	NTV Plus Dalniy Vostok	package	DVB-S2	3/4	27.500	Viaccess	
	Ku	Match!	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	KHL TV	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	Auto Plus	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	Match! Boets	TV	DVB-S2	3/4	27.500	Viaccess	Russian
	Ku	Europa Plus TV	TV	DVB-S2	3/4	27.500	Viaccess	Russian

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

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Ku	STS Love	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	TNT 4	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	U	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	Kanal Disney	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	Prodvizhenie Sibir	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	NVK Sakha	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	OTV Primorje	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	Gubernia	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	TNV Planeta	TV	DVB-S2	3/4		27.500	Viaccess	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	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	
	Ku	Dom Kino Premium	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	Kinopremyera	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	Match! Arena	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	Rossiya 1	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	Travel Channel Europe	TV	DVB-S2	3/4		27.500	Viaccess	Russian,English
12.476	R Ku	NTV Plus Dalniy Vostok	package	DVB-S2	3/4		27.500	Viaccess	
	Ku	Match! Futbol 2	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	Match!	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	Match! Igra	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	Match! Futbol 1	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	Perviy kanal	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	Nash Futbol	TV	DVB-S2	3/4		27.500	Viaccess	Russian
	Ku	Match! Futbol 3	TV	DVB-S2	3/4		27.500	Viaccess	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 Uno	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	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	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
	Ku 1	Disney XD México	TV	DVB-S2	3/4		34.826	Irdeto	Spanish
	Ku 1	Nat Geo Kids Pacifico	TV	DVB-S2	3/4		34.826	Irdeto	Spanish

Freq	Beam		Analog	Diff	Fec	Symb ol Rate	Acces	Lang
	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	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	E! 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	Tlnovelas 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	Canal Catorce	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
	Ku 1	Enlace	TV	DVB-S2	3/4	34.826	Irdeto	Spanish
	Ku 1	Once niños	TV	DVB-S2	3/4	34.826	Irdeto	Spanish

Freq	Beam		Analog	Diff	Fec	Sym ol Rate	Acces	Lang
	Ku 1	Baby TV México	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	Claro Sports	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

3.916	H C	Hope FM Papua New Guinea	radio	DVB-S2	3/4	3.330		English
3.952	H C	Walesi	package	DVB-S2	3/5	7.500	Verimatrix	
4.160	V C	Sky News Australia	TV	DVB-S2	5/6	5.832	Irdeto	English
	C	SET International	TV	DVB-S2	5/6	5.832	Irdeto	Chinese
	C	Colors Asia Pacific	TV	DVB-S2	5/6	5.832	Irdeto	Hindi
4.174	V C	PNG TV	TV	DVB-S2	2/3	1.000		English
4.195	H C	NBC TV	TV	DVB-S2	3/4	1.415		English
11.537	V SW Pacific	SpeedCast	interactiv e	DVB-S2	?	1.500		
11.623	V North Pacific	Altegro Sky	interactiv e	DVB-S2	8/9	3.500		
11.646	V SE Pacific	SpeedCast	interactiv e	DVB-S2	?	2.200		
12.531	H South Pacific	Eutelsat promo	TV	DVB-S2	3/5	31.000		English

EUTELSAT 115 WEST B

4.109	H C	unknown	package	DVB-S2	3/4	9.600		
	C	Canal Once	TV	DVB-S2	3/4	9.600		Spanish
	C	Once niños	TV	DVB-S2	3/4	9.600		Spanish
12.006	H Ku 4	unknown	package	DVB-S2	5/6	11.440		
	Ku 4	Ici ArTV	TV	DVB-S2	5/6	11.440		French
	Ku 4	Ici RDI	TV	DVB-S2	5/6	11.440		French

EUTELSAT 33E

10.758	V Wide	unknown	package	DVB-S2	5/6	27.500	Irdeto	
	Wide	France 24 English	TV	DVB-S2	5/6	27.500		English
	Wide	Rai Storia	TV	DVB-S2	5/6	Y 27.500	Irdeto	French
	Wide	ARTE Français	TV	DVB-S2	5/6	27.500	Irdeto	French,German
	Wide	Al Aoula Europe	TV	DVB-S2	5/6	27.500	Irdeto	Arabic
	Wide	2M Monde	TV	DVB-S2	5/6	27.500	Irdeto	Arabic
	Wide	LDC	TV	DVB-S2	5/6	27.500	Irdeto	Arabic
	Wide	TV 5 Monde Maghreb-Orient	TV	DVB-S2	5/6	27.500	Irdeto	French
	Wide	Al Maghribia	TV	DVB-S2	5/6	27.500	Irdeto	Arabic
	Wide	TV 5 Monde Afrique	TV	DVB-S2	5/6	27.500	Irdeto	French
	Wide	TV 5 Monde Style HD	TV	DVB-S2	5/6	27.500	Irdeto	French
	Wide	Tivi 5 Monde	TV	DVB-S2	5/6	27.500	Irdeto	French
	Wide	Trace Africa Français	TV	DVB-S2	5/6	27.500	Irdeto	French
	Wide	Trace Urban	TV	DVB-S2	5/6	27.500	Irdeto	French
11.350	V Wide	Skylogic	interactiv e	DVB-S	1/2	15.710		
12.562	V Wide	Italian mux	package	DVB-S	3/4	3.820		
	Wide	Deluxe 139	TV	DVB-S	3/4	3.820		Italian
12.598	V Wide	unknown	package	DVB-S2X	25/36	10.057		
	Wide	TMC Suisse	TV	DVB-S2X	25/36	10.057		French
	Wide	TFX Suisse	TV	DVB-S2X	25/36	10.057		French
	Wide	TF 1 Suisse	TV	DVB-S2X	25/36	10.057		French
12.722	V Wide	TV Mobilna	package	DVB-S2	3/4	16.730	Irdeto	
	Wide	Polsat News	TV	DVB-S2	3/4	16.730	Irdeto	Polish
	Wide	TVP Seriale	TV	DVB-S2	3/4	16.730	Irdeto	Polish
	Wide	Polsat Sport	TV	DVB-S2	3/4	16.730	Irdeto	Polish
	Wide	Polsat Film	TV	DVB-S2	3/4	16.730	Irdeto	Polish
	Wide	Comedy Central Polska	TV	DVB-S2	3/4	16.730	Irdeto	Polish
	Wide	Nickelodeon Europe	TV	DVB-S2	3/4	16.730	Irdeto	Polish
	Wide	Kino Polska	TV	DVB-S2	3/4	16.730	Irdeto	Polish
	Wide	Polsat Sport Extra	TV	DVB-S2	3/4	16.730	Irdeto	Polish

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
	Wide	Comedy Central Family Polska	TV	DVB-S2	3/4		16.730	Irdeto	Polish
	Wide	Polsat Café	TV	DVB-S2	3/4		16.730	Irdeto	Polish
	Wide	Polsat Play	TV	DVB-S2	3/4		16.730	Irdeto	Polish
	Wide	TVN Style	TV	DVB-S2	3/4		16.730	Irdeto	Polish
	Wide	Muzo FM	radio	DVB-S2	3/4		16.730	Irdeto	Polish
	Wide	Polskie Radio Trójka	radio	DVB-S2	3/4		16.730	Irdeto	Polish
	Wide	RMF FM	radio	DVB-S2	3/4		16.730	Irdeto	Polish
	Wide	RMF Maxxx	radio	DVB-S2	3/4		16.730	Irdeto	Polish
	Wide	Radio Zet	radio	DVB-S2	3/4		16.730	Irdeto	Polish
	Wide	Antyradio	radio	DVB-S2	3/4		16.730	Irdeto	Polish
	Wide	Radio Plus FM	radio	DVB-S2	3/4		16.730	Irdeto	Polish
	Wide	Radio Złote Przeboje	radio	DVB-S2	3/4		16.730	Irdeto	Polish
	Wide	Rock Radio	radio	DVB-S2	3/4		16.730	Irdeto	Polish
	Wide	Radio Eska Rock	radio	DVB-S2	3/4		16.730	Irdeto	Polish
	Wide	Radio Bajka	radio	DVB-S2	3/4		16.730	Irdeto	Polish

HOTBIRD 13C

10.719	V Wide	Kino Polska	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish
	Wide	Trace Urban	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Viaccess	English
	Wide	Active Family	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Viaccess	Polish
	Wide	Nat Geo Wild Polska	TV	DVB-S2	3/4		27.500	Irdeto/Nagravision	Polish,English
10.758	V Wide	Polsat Games	TV	DVB-S2	3/4	Y	27.500	Irdeto/Nagravision	Polish
10.796	V Wide	Discovery Life Polska	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish
	Wide	Puls 2	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Viaccess	Polish
10.834	V Wide	Kino Polska Muzyka	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish
	Wide	Animal Planet Polska	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish
	Wide	Red Carpet TV	TV	DVB-S2	3/4		27.500		Polish
	Wide	BBC First Polska	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish,English
	Wide	BBC First Polska	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish,English
10.853	H Wide	Sky Sport Uno	TV	DVB-S2	2/3		29.900	Videoguard	Italian
	Wide	Sky Atlantic	TV	DVB-S2	2/3	Y	29.900	Videoguard	Italian
10.873	V Wide	Al Aoula Europe	TV	DVB-S2	3/4		27.500		Arabic
10.892	H Wide	FilmBox Premium Polska	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish
	Wide	TVR	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision	Polish
10.930	H Wide	Shant Serial	TV	DVB-S2	2/3		30.000	Conax	Armenian
	Wide	SCT	TV	DVB-S2	2/3		30.000	Irdeto/Nagravision/Viaccess	
	Wide	Penthouse Quickies	TV	DVB-S2	2/3		30.000	Irdeto/Nagravision/Viaccess	English
	Wide	Pure	radio	DVB-S2	2/3		30.000	Mediaguard/Viaccess	French
	Wide	Penthouse Passion	TV	DVB-S2	2/3		30.000	Irdeto/Nagravision/Viaccess	English
11.034	V Wide	TNT International Europe	TV	DVB-S	3/4		27.500		Russian
	Wide	Boutique TV Deutschland	TV	DVB-S	3/4		27.500		Russian
11.117	V Wide	Polsat Sport Premium 3	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Nagravision/Viaccess	Polish
	Wide	Polsat Sport Premium 4	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Nagravision/Viaccess	Polish
	Wide	Polsat Sport Premium 5	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Nagravision/Viaccess	Polish
	Wide	Polsat Sport Premium 6	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Nagravision/Viaccess	Polish
11.137	H Wide	Aljazeera English	TV	DVB-S	3/4		27.500		English
11.158	V Wide	TV 6	TV	DVB-S2	3/4	Y	27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish
11.179	H Wide	Marcopolo	TV	DVB-S	3/4		27.500		Italian
	Wide	Fashion TV Europe	TV	DVB-S	3/4		27.500		
	Wide	Partenope TV	TV	DVB-S	3/4		27.500		Italian
	Wide	Almagd TV	TV	DVB-S	3/4		27.500		Arabic
	Wide	Kalsan TV	TV	DVB-S	3/4		27.500		Somali
	Wide	Parole di Vita	TV	DVB-S	3/4		27.500		Italian
	Wide	One TV	TV	DVB-S	3/4		27.500		Italian
	Wide	Radio Radio TV	TV	DVB-S	3/4		27.500		Italian
	Wide	Archi News 24	TV	DVB-S	3/4		27.500		Italian
	Wide	Canale Italia 2	TV	DVB-S	3/4		27.500		Italian
	Wide	Orler TV	TV	DVB-S	3/4		27.500		Italian

Freq	Beam		Analog	Diff	Fec		Sym ol Rate	Acces	Lang
	Wide	TV Art Live	TV	DVB-S	3/4		27.500		Italian
	Wide	Telearte	TV	DVB-S	3/4		27.500		Italian
	Wide	Arte Investimenti	TV	DVB-S	3/4		27.500		Italian
	Wide	Telecupole	TV	DVB-S	3/4		27.500		Italian
	Wide	Sky 903	TV	DVB-S	3/4		27.500		Italian
	Wide	Automoto TV	TV	DVB-S	3/4		27.500		Italian
	Wide	MediaSport Channel	TV	DVB-S	3/4		27.500		Italian
	Wide	NSL Radio TV	TV	DVB-S	3/4		27.500		Italian
11.219	H Wide	Rai 4K	TV	DVB-S2	3/4		29.900	Nagravision	Italian,English
	Wide	The Explorers promo	TV	DVB-S2	9/10		27.500		
11.240	V Wide	Eurosport 1	TV	DVB-S	3/4	Y	27.500	Irdeto/Viaccess/Videoguard/Verimatrix	English,Croatian
	Wide	RT News	TV	DVB-S	3/4		27.500		English
11.258	H Wide	Rotana Cinema	TV	DVB-S2	3/4		27.500	Irdeto	Arabic
	Wide	Rotana Clip	TV	DVB-S2	3/4		27.500	Irdeto	Arabic
	Wide	Iqraa Africa & Europe	TV	DVB-S2	3/4		27.500	Irdeto	English
	Wide	MBC Drama	TV	DVB-S2	3/4		27.500	Irdeto	Arabic
	Wide	Ennahar TV	TV	DVB-S2	3/4		27.500	Irdeto	Arabic
	Wide	Gulli Bil Arabie	TV	DVB-S2	3/4		27.500	Irdeto	French
	Wide	Rawdah	TV	DVB-S2	3/4		27.500	Irdeto	Arabic
	Wide	Zee Alwan	TV	DVB-S2	3/4		27.500	Irdeto	Arabic
	Wide	Rotana Classic	TV	DVB-S2	3/4		27.500	Irdeto	Arabic
	Wide	PNC Food	TV	DVB-S2	3/4		27.500	Irdeto	Arabic
	Wide	Lana TV	TV	DVB-S2	3/4		27.500	Irdeto	Arabic
	Wide	Hannibal TV	TV	DVB-S2	3/4		27.500	Irdeto	Arabic
11.278	V Wide	Eleven Sports 4 Polska	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision	Polish
11.296	H Wide	Kurdsat	TV	DVB-S	5/6		27.500		Kurdish
	Wide	Live TV	TV	DVB-S	5/6		27.500		Russian
	Wide	Ictimai TV	TV	DVB-S	5/6		27.500		Azerbaijan
	Wide	Xezer TV	TV	DVB-S	5/6		27.500		Azerbaijan
	Wide	Medya Haber	TV	DVB-S	5/6		27.500		Turkish
	Wide	AzTV	TV	DVB-S	5/6		27.500		Azerbaijan
11.317	V Wide	3ABN International	TV	DVB-S	3/4		27.500		English
	Wide	Kentron TV International	TV	DVB-S	3/4		27.500		Armenian
	Wide	Hope Channel International	TV	DVB-S	3/4		27.500		English
11.355	V Wide	Discovery Science Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Fox Animation	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Fox Comedy Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Sexy Music	radio	DVB-S	5/6		29.900	Videoguard	
11.373	H Wide	TV&TV	TV	DVB-S2	3/4		27.500		Italian
	Wide	Reteconomy	TV	DVB-S2	3/4		27.500		Italian
	Wide	Tesory Channel	TV	DVB-S2	3/4		27.500		Italian
	Wide	NHK World Japan	TV	DVB-S2	3/4		27.500		English
	Wide	World Fashion Channel International	TV	DVB-S2	3/4		27.500		English
11.393	V Wide	Motor Trend	TV	DVB-S2	3/4		27.500	Conax/Nagravision	Italian,English
	Wide	Giallo	TV	DVB-S2	3/4		27.500	Conax/Nagravision	Italian,English
	Wide	Nove	TV	DVB-S2	3/4		27.500	Conax/Nagravision	Italian,English
11.449	H Wide	Canal + Dokument	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision/Viaccess	Polish
	Wide	N Sport +	TV	DVB-S2	3/4		27.500	Conax/Mediaguard/Nagravision	Polish
11.488	H Wide	Tok FM	radio	DVB-S2	3/4		27.500		Polish
11.508	V Wide	TVN Style	TV	DVB-S2	3/4	Y	27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish
	Wide	TVN Turbo	TV	DVB-S2	3/4	Y	27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish
	Wide	Travel Channel Polska	TV	DVB-S2	3/4		27.500	Conax/Irdeto/Mediaguard/Nagravision/Viaccess	Polish
11.642	H Wide	RTL 102.5 Doc	TV	DVB-S2	3/4		27.500		Italian
	Wide	Privé TV	TV	DVB-S2	3/4		27.500	Irdeto/Nagravision/Viaccess	
	Wide	Sexto Senso	TV	DVB-S2	3/4		27.500	Irdeto/Nagravision/Viaccess	Italian
	Wide	Pink' o TV	TV	DVB-S2	3/4		27.500	Irdeto/Nagravision/Viaccess	Italian
	Wide	Passion XXX	TV	DVB-S2	3/4		27.500	Irdeto/Nagravision/Viaccess	
11.662	V Wide	Emilia-Romagna 24	TV	DVB-S2	3/4		27.500		Italian
	Wide	TRM h24	TV	DVB-S2	3/4		27.500		Italian
	Wide	Canale Italia	TV	DVB-S2	3/4		27.500		Italian

Freq	Beam		Analog	Diff	Fec		Symbl Rate	Acces	Lang
	Wide	Aurora Arte	TV	DVB-S2	3/4		27.500		Italian
	Wide	Italia Channel	TV	DVB-S2	3/4		27.500		Italian
	Wide	Life 120 Channel	TV	DVB-S2	3/4		27.500		Italian
	Wide	Record TV Europa	TV	DVB-S2	3/4		27.500		Portuguese
	Wide	BFC Forbes	TV	DVB-S2	3/4		27.500		Italian
	Wide	Arte Investimenti	TV	DVB-S2	3/4		27.500		Italian
	Wide	Videolina	TV	DVB-S2	3/4		27.500		Italian
	Wide	Universal TV	TV	DVB-S2	3/4		27.500		Somali
	Wide	Suryoyo Sat	TV	DVB-S2	3/4		27.500		Syriac
	Wide	TeF Channel 2	TV	DVB-S2	3/4		27.500		Italian
	Wide	Radio Number One	radio	DVB-S2	3/4		27.500		Italian
	Wide	Radio Fra Le Note	radio	DVB-S2	3/4		27.500		Italian
11.747	H Wide	Horse Racing Network promo	TV	DVB-S2	3/4		27.500		Arabic
11.919	V Wide	20 Mediaset	TV	DVB-S	5/6		29.900	Nagravision	Italian
12.111	V Wide	Elsharq	TV	DVB-S	3/4		27.500		Arabic
	Wide	Canale Italia 83	TV	DVB-S	3/4		27.500		Italian
	Wide	Canale Italia 84	TV	DVB-S	3/4		27.500		Italian
	Wide	Radio Fra Le Note	radio	DVB-S	3/4		27.500		Italian
	Wide	Radio Radio	radio	DVB-S	3/4		27.500		Italian
12.539	H Wide	Love Nature	TV	DVB-S2	5/6	Y	30.000	Viaccess	English,Turkish
12.558	V Wide	Hodhod Farsi TV promo	TV	DVB-S	3/4		27.500		Farsi
12.577	H Wide	Aljazeera Channel	TV	DVB-S2	3/4		27.500		Arabic
	Wide	unknown	package	DVB-S2	3/4		27.500		
	Wide	Italian Fishing TV	TV	DVB-S2	3/4		27.500		Italian
	Wide	Wine TV	TV	DVB-S2	3/4		27.500		Italian
12.616	H Wide	La Effe	TV	DVB-S	5/6		29.900	Videoguard	Italian
12.635	V Wide	Real Time Italia +1	TV	DVB-S	5/6		29.900	Nagravision/Videoguard	Italian
	Wide	TV 8	TV	DVB-S	5/6		29.900	Nagravision/Videoguard	Italian,English
	Wide	Crime + Investigation Network Italia	TV	DVB-S	5/6		29.900	Videoguard	Italian
12.654	H Wide	Radio Baghdad	radio	DVB-S	5/6		27.500		Arabic
12.731	H Wide	Disney Channel Italia +1	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Disney XD Italia +1	TV	DVB-S	5/6		29.900	Videoguard	Italian
	Wide	Sky Primafila 14	TV	DVB-S	5/6		29.900	Videoguard	Italian

HOTBIRD 13E

10.727	H Wide	NASA TV UHD	TV	DVB-S2	3/4		30.000		English
	Wide	Travelxp 4K Europe	TV	DVB-S2	3/4		30.000	Viaccess	English,Czech
10.775	H Wide	IRIB	package	DVB-S2	3/5		29.900		
	Wide	IRINN	TV	DVB-S2	3/5		29.900		Farsi
	Wide	Quran TV	TV	DVB-S2	3/5		29.900		Farsi
	Wide	IFilm Persian	TV	DVB-S2	3/5		29.900		Farsi,Arabic
	Wide	Nasim	TV	DVB-S2	3/5		29.900		Farsi
	Wide	Jame-Jam TV Network	TV	DVB-S2	3/5		29.900		Farsi
	Wide	Sahar Francophone	TV	DVB-S2	3/5		29.900		French
	Wide	Sahar Balkan	TV	DVB-S2	3/5		29.900		Bosnian
	Wide	Sahar Azeri	TV	DVB-S2	3/5		29.900		Azerbaijan
	Wide	Sahar Urdu	TV	DVB-S2	3/5		29.900		
	Wide	Sahar Kurdi	TV	DVB-S2	3/5		29.900		Kurdish
	Wide	Alkawthar TV	TV	DVB-S2	3/5		29.900		Arabic
	Wide	Press TV	TV	DVB-S2	3/5		29.900		English
	Wide	Hispan TV	TV	DVB-S2	3/5		29.900		Spanish
	Wide	IFilm English	TV	DVB-S2	3/5		29.900		English,Farsi
	Wide	IRIB World Service Radio 5	radio	DVB-S2	3/5		29.900		
	Wide	Radio Iran	radio	DVB-S2	3/5		29.900		Farsi
	Wide	Radio Payam	radio	DVB-S2	3/5		29.900		Farsi
	Wide	Radio Javan	radio	DVB-S2	3/5		29.900		Farsi
	Wide	Radio Maaref	radio	DVB-S2	3/5		29.900		Farsi
	Wide	Radio Quran	radio	DVB-S2	3/5		29.900		Farsi
	Wide	Radio Farhang	radio	DVB-S2	3/5		29.900		Farsi
	Wide	Radio Salamat	radio	DVB-S2	3/5		29.900		Farsi
	Wide	Radio Varzesh	radio	DVB-S2	3/5		29.900		Farsi
	Wide	Radio Eghtesad	radio	DVB-S2	3/5		29.900		Farsi
	Wide	Radio Tehran	radio	DVB-S2	3/5		29.900		Farsi
	Wide	Radio Ava	radio	DVB-S2	3/5		29.900		Farsi

Freq	Beam		Analog	Diff	Fec		Symb ol Rate	Acces	Lang
	Wide	Radio Namayesh	radio	DVB-S2	3/5		29.900		Farsi
	Wide	Radio Fasli	radio	DVB-S2	3/5		29.900		Farsi
	Wide	IRIB World Service Radio 7	radio	DVB-S2	3/5		29.900		English
	Wide	IRIB World Service Radio 3	radio	DVB-S2	3/5		29.900		Arabic
	Wide	Radio Telavat	radio	DVB-S2	3/5		29.900		Farsi
	Wide	Radio Goftogoo	radio	DVB-S2	3/5		29.900		Farsi
	Wide	IRIB World Service Radio 1	radio	DVB-S2	3/5		29.900		
	Wide	IRIB World Service Radio 2	radio	DVB-S2	3/5		29.900		
	Wide	IRIB World Service Radio 4	radio	DVB-S2	3/5		29.900		
	Wide	IRIB World Service Radio 6	radio	DVB-S2	3/5		29.900		