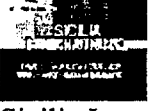
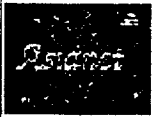
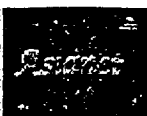


R-DIG 88U 12.484 V	RFE Romanian/Estonian (EU 11)	 HOT234KW	MPG2	8298 3/4 4322	4322 0 1	ROM	
R-DIG 88U 12.484 V	RFE Bulgarian (EU 12)	 HOT234KW	MPG2	8298 3/4 4322	4322 0 1	BUL	
R-DIG 88U 12.484 V	Voice of America (EU 13)	 HOT234KW	MPG2	8298 3/4 4330	4330 0 1		
R-DIG 88U 12.484 V	RFE South Slavic (EU 14)	 HOT234KW	MPG2	8298 3/4 4330	4330 0 1		
R-DIG 88U 12.484 V	Voice of America (EU 15)	 HOT234KW	MPG2	8298 3/4 4332	4332 0 1	ENG	
R-DIG 88U 12.484 V	RFE South Slavic (EU 16)	 HOT234KW	MPG2	8298 3/4 4332	4332 0 1		
R-DIG 88U 12.484 V	RFE Latvian (EU 17)	 HOT234KW	MPG2	8298 3/4 4420	4420 0 1	LAT	
R-DIG 88U 12.484 V	RFE (Azadi) Farsi (EU 18)	 HOT234KW	MPG2	8298 3/4 4420	4420 0 1	FAR	010308 F.Tabrizi 010409 Moazami- Rahim
R-DIG 88U 12.484 V	RFE Albanian (EU 19)	 HOT234KW	MPG2	8298 3/4 4422	4422 0 1	SHQ	
R-DIG 88U 12.484 V	RFE Turkmen/Lithuanian (EU 20)	 HOT234KW	MPG2	8298 3/4 4422	4422 0 1	TRK	
R-DIG				8298	4430		

88U 12.484 V	RFE Uzbek/Tatar (EU 21)	 HOT234KW	MPG2	3/4 4430	0 1	UZB	
R-DIG 88U 12.484 V	RFE Kyrgyz (EU 22)	 HOT234KW	MPG2	8298 3/4 4430	4430 0 1	KYR	
R-DIG 88U 12.484 V	RFE Czech/Slovak (EU 23)	 HOT234KW	MPG2	8298 3/4 4432	4432 0 1	CES	
R-DIG 88U 12.484 V	RFE Kazakh/Azerbaijan (EU24)	 HOT234KW	MPG2	8298 3/4 4432	4432 0 1	KZK	
TV-DIG 90 12.520 V	 HRT 1	 HOT005KW	MPG2 102	27500 3/4 100 101	100 8301 9000 318	HRV	010512 F.Tabrizi
TV-DIG 90 12.520 V	 BVN TV	 HOT005KW	MPG2	27500 3/4 210 211	214 8315 9000 318	NED	
TV-DIG 90 12.520 V	 Sicilia International	 HOT005KW	MPG2	27500 3/4 501 502	501 8309 9000 318	ITA	
TV-DIG 90 12.520 V	Sardegna Uno Sat	 HOT005KW	MPG2	27500 3/4 503 504	503 8310 9000 318	ITA	
TV-DIG 90 12.520 V	 TGRT	 HOT005KW	MPG2	27500 3/4 505 506	505 8313 9000 318	TUR	
TV-DIG 90 12.520 V	Euro Mediterraneo	 HOT005KW	MPG2	27500 3/4 510 511	510 8312 9000 318	ITA	010106 Webmaster
TV-DIG 90 12.520 V	Videolina	 HOT005KW	MPG2	27500 3/4 515 516	516 8318 9000 318	ITA	

R-DIG 90 12.520 V	Otvoreni Radio	 HOT005KW	MPG2	27500 3/4 107	107 8318 9000 318	HRV	010413 Alex
R-DIG 90 12.520 V	FM Italia	 HOT005KW	MPG2	27500 3/4 108	108 8319 9000 318	ITA	010413 Alex
R-DIG 90 12.520 V	TGRT- FM	 HOT005KW	MPG2	27500 3/4 149	149 8317 9000 318	TUR	
R-DIG 90 12.520 V	HR 1	 HOT005KW	MPG2	27500 3/4 150	150 8305 9000 318	HRV	
R-DIG 90 12.520 V	HR 2	 HOT005KW	MPG2	27500 3/4 151	151 8306 9000 318	HRV	
R-DIG 90 12.520 V	HR 3	 HOT005KW	MPG2	27500 3/4 152	152 8307 9000 318	HRV	
R-DIG- NEW 90 12.520 V	HR International	 HOT005KW	MPG2	27500 3/4 153	153 8304 9000 318	HRV	010425 Newborn Devil
R-DIG- NEW 90 12.520 V	Radiolina	 HOT005KW	MPG2	27500 3/4 517	517 8318 9000 318	ITA	010508 Newborn Devil
R-DIG- NEW 90 12.520 V	Radio Smile	 HOT005KW	MPG2	27500 3/4 702	701 8325 9000 318	ITA	010427 Alex
TV-DIG 91 12.540 H	Mediolanum Channel	 HOT005KW	MPG2	27500 3/4 1131 1132	1131 8987 9100 318	ITA	001207 Alex
TV-DIG 91	WWW.travel		MPG2	27500 3/4	1180 8992	ENG	

12.540 H		 HOT005KW		1180 1183	9100 318		
TV-DIG 91 12.540 H	WWW.travel	 HOT005KW	MPG2	27500 3/4 1180 1185	1180 8992 9100 318	RUS	
TV-DIG 91 12.540 H	WWW.travel	 HOT005KW	MPG2	27500 3/4 1180 1186	1180 8992 9100 318	POL	
TV-DIG 91 12.540 H	TV Bulgaria	 HOT005KW	MPG2	27500 3/4 4612 4613	4612 8827 9100 318	BUL	001220 Webmaster
TV-DIG 91 12.540 H	MonteCarloSat	 HOT005KW	MPG2	27500 3/4 5126 5122	5126 8877 9100 318	ITA	001125 Ivo Stehlik 001220 Webmaster
R-DIG 90 12.540 H	Magic Star	 HOT005KW	MPG2	27500 3/4 1188	1188 8994 9100 318	ITA	
R-DIG 90 12.540 H	Bulgaria Radio	 HOT005KW	MPG2	27500 3/4 4615	4615 8828 9100 318	BUL	
TV-DIG 92 12.558 V	Q Magazine	 HOT005KS	MPG2	27500 3/4 1037 1039	1037 9277 9200 319	ITA	010328 Webmaster 010402 Ivo Stehlik
TV-DIG 92 12.558 V	CNES tests	 HOT005KS	MPG2	27500 3/4 6143 6142	6143 9252 9200 319		010128 Dxmichael
TV-DIG- NEW 92 12.558 V	24 ore TV	 HOT005KS	MPG2	27500 3/4 6916 6917	6916 9373 9200 319	ITA	010424 Webmaster 010425 Newborn Devil
TV-DIG- NEW 92 12.565			MPG2	6142 3/4 7713 36	7713 5601 9301 318	HIN	010424 Sandras Satellite

H	Asianet	HOT005KW					
TV-DIG- NEW 92 12.565 H	 Asianet	 HOT005KW	MPG2	6142 3/4 7729 7732	7729 5602 9301 318	TAM	010424 Sandra Satellite 010517 Webmaster
TV-DIG 93 12.573 H	 TVN1	 HOT005KW	MPG2 101	5632 3/4 4194 4195	4194 1 1 318	POL	
TV-DIG 93 12.582 H	APTN Middle East	 HOT005KW	MPG2	5632 3/4 308 256	8190 1 1 0	ARA	
TV-DIG 93 12.590 H	APTN London	 HOT005KW	MPG2	5632 3/4 512 640	8190 1 1 65535	ENG	
TV-DIG 94 12.597 V	 MBC	 HOT005KW	MPG2	27500 3/4 160 80	160 8204 9400 318	ARA	
TV-DIG 94 12.597 V	 ANN - Arab News Network	 HOT005KW	MPG2	27500 3/4 161 84	161 8202 9400 318	ARA	010127 Webmaster 010219 Misbah Haque
TV-DIG 94 12.597 V	 BET International	 HOT005KW	MPG2 8191	27500 3/4 167 108	167 8208 9400 318	ENG	
TV-DIG 94 12.597 V	 Euronews	 HOT005KW	MPG2	27500 3/4 2221 2231	2221 8211 9400 318	FRA	
TV-DIG 94 12.597 V	 Euronews	 HOT005KW	MPG2	27500 3/4 2221 2232	2221 8211 9400 318	ENG	
TV-DIG 94 12.597 V	 Euronews	 HOT005KW	MPG2	27500 3/4 2221 2233	2221 8211 9400 318	DEU	
TV-DIG 94			MPG2	27500 3/4	2221 8211		

12.597 V	 Euronews	 HOT005KW		2221 2234	9400 318	ITA	
TV-DIG 94 12.597 V	 Euronews	 HOT005KW	MPG2	27500 3/4 2221 2235	2221 8211 9400 318	ESP	
TV-DIG 94 12.597 V	 Euronews	 HOT005KW	MPG2	27500 3/4 2221 2236	2221 8211 9400 318	POR	
TV-DIG 94 12.597 V	 Euronews	 HOT005KW	MPG2	27500 3/4 2221 2237	2221 8211 9400 318	ENG	
R-DIG 94 12.597 V	WRN EuroMix International	 HOT005KW	MPG2	27500 3/4 2101	2101 8215 9400 318	ENG	
R-DIG 94 12.597 V	WRN EuroMax English	 HOT005KW	MPG2	27500 3/4 2103	2103 8216 9400 318	ENG	
R-DIG 94 12.597 V	WRN EuroMax Deutsch	 HOT005KW	MPG2	27500 3/4 2105	2105 8217 9400 318	DEU	
R-DIG 94 12.597 V	WRN EuroMax French	 HOT005KW	MPG2	27500 3/4 2107	2107 8218 9400 318	DEU	
R-DIG 94 12.597 V	Radio Voyager	 HOT005KW	MPG2	27500 3/4 2111	2111 8220 9400 318	ENG	010216 Webmaster
R-DIG 94 12.597 V	Brother Stair	 HOT005KW	MPG2	27500 3/4 2113	2113 8221 9400 318	ENG	
R-DIG 94 12.597 V	RCI2 Radio Canada International	 HOT005KW	MPG2	27500 3/4 2115	2115 8222 9400 318	FRA	001202 Bata

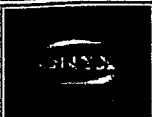
R-DIG 94 12.597 V	RCI1 Radio Canada International	 HOT005KW	MPG2	27500 3/4 2118	2118 8223 9400 318	FRA	001220 Webmaster
R-DIG 94 12.597 V	RTE Radio	 HOT005KW	MPG2	27500 3/4 2120	2120 8224 9400 318	FRA	001220 Webmaster
R-DIG 94 12.597 V	Radio Sweden	 HOT005KW	MPG2	27500 3/4 2122	2122 8225 9400 318	FRA	001220 Webmaster
R-DIG 94 12.597 V	Radio Sedaye Iran	 HOT005KW	MPG2	27500 3/4 2124	2124 8226 9400 318	FAR	010214 Hamid
R-DIG 94 12.597 V	NPR Worldwide	 HOT005KW	MPG2	27500 3/4 2126	2126 8227 9400 318	ENG	010331 Harald Brinkmann
R-DIG 94 12.597 V	Voice of Russian Jewry	 HOT005KW	MPG2	27500 3/4 2128	2128 8228 9400 318	RUS	010326 Webmaster
R-DIG- NEW 94 12.597 V	Radio 15	 HOT005KW	MPG2	27500 3/4 2130	2130 8229 9400 318	ENG	010519 Bata
R-DIG 94 12.597 V	World Radio Network WRN 1	 HOT005KW	MPG2	27500 3/4 2132	2132 8230 9400 318	ENG	010216 Webmaster 010519 Bata
TV-DIG 97 12.654 H	 Dubai Sport Channel	 HOT234KW	MPG2 8191	27500 3/4 1060 1060 1020	1060 10 9700 702	ARA	
TV-DIG 97 12.654 H	Sharjah TV	 HOT234KW	MPG2 8191	27500 3/4 1160 1160 1120	1160 1 9700 702	ARA	
TV-DIG 97 12.654	Qatar TV		MPG2	27500 3/4 1260	1260 2 9700	ARA	

H		HOT234KW	8191	1220	702		
TV-DIG 97 12.654 H	 Saudi Channel 1	 HOT234KW	MPG2 8191	27500 3/4 1360 1320	1360 3 9700 702	ARA	
TV-DIG 97 12.654 H	 Kuwait Space Channel	 HOT234KW	MPG2 8191	27500 3/4 1460 1420	1460 4 9700 702	ARA	
TV-DIG 97 12.654 H	Libya TV	 HOT234KW	MPG2 8191	27500 3/4 1560 1520	1560 5 9700 702	ARA	
TV-DIG 97 12.654 H	 Sudan TV	 HOT234KW	MPG2 8191	27500 3/4 1660 1620	1660 6 9700 702	ARA	
TV-DIG 97 12.654 H	 Oman TV	 HOT234KW	MPG2 8191	27500 3/4 1760 1720	1760 7 9700 702	ARA	
TV-DIG 97 12.654 H	 Jordan Satellite Channel	 HOT234KW	MPG2 8191	27500 3/4 1860 1820	1860 8 9700 702	ARA	
TV-DIG 97 12.654 H	Iraq Satellite Channel	 HOT234KW	MPG2 8191	27500 3/4 1960 1920	1960 9 9700 702	ARA	
R-DIG 97 12.654 H	Radio Dubai Sport	 HOT234KW	MPG2 8191	27500 3/4 1021	1021 19 9700 702	ARA	
R-DIG 97 12.654 H	Sharjah FM	 HOT234KW	MPG2 8191	27500 3/4 1121	1121 11 9700 702	ARA	001128 Gordana
R-DIG 97 12.654 H	Sharjah FM	 HOT234KW	MPG2 8191	27500 3/4 1122	1122 21 9700 702	ARA	001128 Gordana
R-DIG			MPG2	27500	1221		

97 12.654 H	Radio Qatar	 HOT234KW	8191	3/4 1221	12 9700 702	ARA	
R-DIG 97 12.654 H	General Arabic	 HOT234KW	MPG2 8191	27500 3/4 1321	1321 13 9700 702	ARA	
R-DIG 97 12.654 H	Al-Qur'aan Al-Kareem	 HOT234KW	MPG2 8191	27500 3/4 1322	1322 23 9700 702	ARA	
R-DIG 97 12.654 H	Arabic Classic FM	 HOT234KW	MPG2 8191	27500 3/4 1421	1421 14 9700 702	ARA	
R-DIG 97 12.654 H	Sudan Radio A2	 HOT234KW	MPG2 8191	27500 3/4 1621	1621 26 9700 702	ARA	
R-DIG 97 12.654 H	Sudan Radio A3	 HOT234KW	MPG2 8191	27500 3/4 1622	1622 36 9700 702	ARA	
R-DIG 97 12.654 H	Oman Radio.	 HOT234KW	MPG2 8191	27500 3/4 1721	1721 17 9700 702	ARA	
R-DIG 97 12.654 H	Radio Jordan	 HOT234KW	MPG2 8191	27500 3/4 1821	1821 18 9700 702	ARA	
TV-DIG 98 12.673 V	Thai TV 5 Global Network	 HOT234KW	MPG2 8191	27500 3/4 200 201	200 4201 9800 318	THA	
TV-DIG 98 12.673 V	DigItaly	 HOT234KW	MPG2 8191	27500 3/4 220 221	220 4203 9800 318	ITA	
TV-DIG 98 12.673 V	Studio Europa	 HOT234KW	MPG2 8191	27500 3/4 230 231	230 4204 9800 318	ITA	

TV-DIG 98 12.673 V	Game Network	 HOT234KW	MPG2 8191	27500 3/4 291 292	291 4213 9800 318	ENG	
TV-DIG 98 12.673 V	Video Italia	 HOT234KW	MPG2 8191	27500 3/4 340 341	340 4210 9800 318	ITA	
TV-DIG 98 12.673 V	 Elefante Telemarket	 HOT234KW	MPG2 8191	27500 3/4 350 351	350 4211 9800 318	ITA	
TV-DIG 98 12.673 V	eVision	 HOT234KW	MPG2 8191	27500 3/4 360 361	360 4214 9800 318	ITA	
R-DIG 98 12.673 V	Anni '60	 HOT234KW	MPG2 8191	27500 3/4 250	250 4230 9800 318	ITA	
R-DIG 98 12.673 V	R. Reporter	 HOT234KW	MPG2 8191	27500 3/4 251	251 4231 9800 318	ITA	
R-DIG 98 12.673 V	Radio Italia SMI	 HOT234KW	MPG2 8191	27500 3/4 252	252 4232 9800 318	ITA	
R-DIG 98 12.673 V	R Tour	 HOT234KW	MPG2 8191	27500 3/4 253	253 4233 9800 318	ITA	
R-DIG 98 12.673 V	Radio Company	 HOT234KW	MPG2 8191	27500 3/4 254	254 4234 9800 318	ITA	001201 Klaus Schwarz
R-DIG 98 12.673 V	Radio Popolare	 HOT234KW	MPG2 8191	27500 3/4 255	255 4235 9800 318	ITA	001201 Klaus Schwarz
R-DIG 98 12.673 V	Disco Radio	 HOT234KW	MPG2 8191	27500 3/4 256	256 4236 9800 318	ITA	010328 Webmaster

R-DIG 98 12.673 V	Radio Life Gate	 HOT234KW	MPG2 8191	27500 3/4 257	257 4237 9800 318	ITA	010131 Bata
R-DIG 98 12.673 V	TRBuonconsiglio	 HOT234KW	MPG2 8191	27500 3/4 401	401 4238 9800 318	ITA	
R-DIG 98 12.673 V	Radio Radio	 HOT234KW	MPG2 8191	27500 3/4 402	402 4239 9800 318	ITA	
R-DIG 98 12.673 V	Radio Donna	 HOT234KW	MPG2 8191	27500 3/4 403	403 4240 9800 318	ITA	
R-DIG 98 12.673 V	Radio Eurospin	 HOT234KW	MPG2 8191	27500 3/4 404	404 4241 9800 318	ITA	010108 Webmaster
R-DIG 98 12.673 V	Radio Speranza	 HOT234KW	MPG2 8191	27500 3/4 405	405 4242 9800 318	ITA	010313 Webmaster
R-DIG 98 12.673 V	Melodia Russia	 HOT234KW	MPG2 8191	27500 3/4 406	406 4243 9800 318	RUS	
R-DIG 98 12.673 V	Padre Pio	 HOT234KW	MPG2 8191	27500 3/4 407	407 4244 9800 318	ITA	
R-DIG- NEW 98 12.673 V	Radio Energy	 HOT234KW	MPG2 8191	27500 3/4 408	408 4245 9800 318	ITA	010502 Webmaster
R-DIG- NEW 98 12.673 V	Radio Kolbe-Sat	 HOT234KW	MPG2 8191	27500 3/4 409	409 4246 9800 318	ITA	010502 Webmaster
TV-DIG 99 12.692	AB Sat Passions Promo		MPG2	27500 3/4 160	160 501 9900	FRA	

H		HOT234KW		80	318		
TV-DIG 99 12.692 H	 Onyx TV	 HOT234KW	MPG2	27500 3/4 161 84	161 502 9900 318	DEU	
TV-DIG 99 12.692 H	AB Sat Promotional	 HOT234KW	MPG2	27500 3/4 169 116	169 511 9900 318	FRA	001225 Webmaster
R-DIG 99 12.692 H	Maurice Radio Libre	 HOT234KW	MPG2	27500 3/4 101	165 510 9900 318	FRA	
R-DIG 99 12.692 H	Grand Radio	 HOT234KW	MPG2	27500 3/4 117	169 512 9900 318	SRP	010225 Edin Hasic

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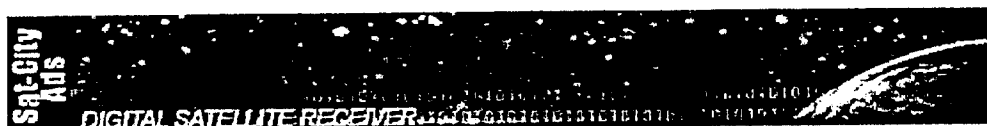
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(just fill in the lines you are sure
about)

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Frequency GHz :
Polarization :
Channel Name :
Coverage Area :
Mode :
Crypt/Coding :
Analog Audio :
Symbol Rate :
Forw Error Corr :
Video PID :
Audio PID :
PCR 4DTV :
Service ID :
Transponder ID :
Network ID :
Main Language :

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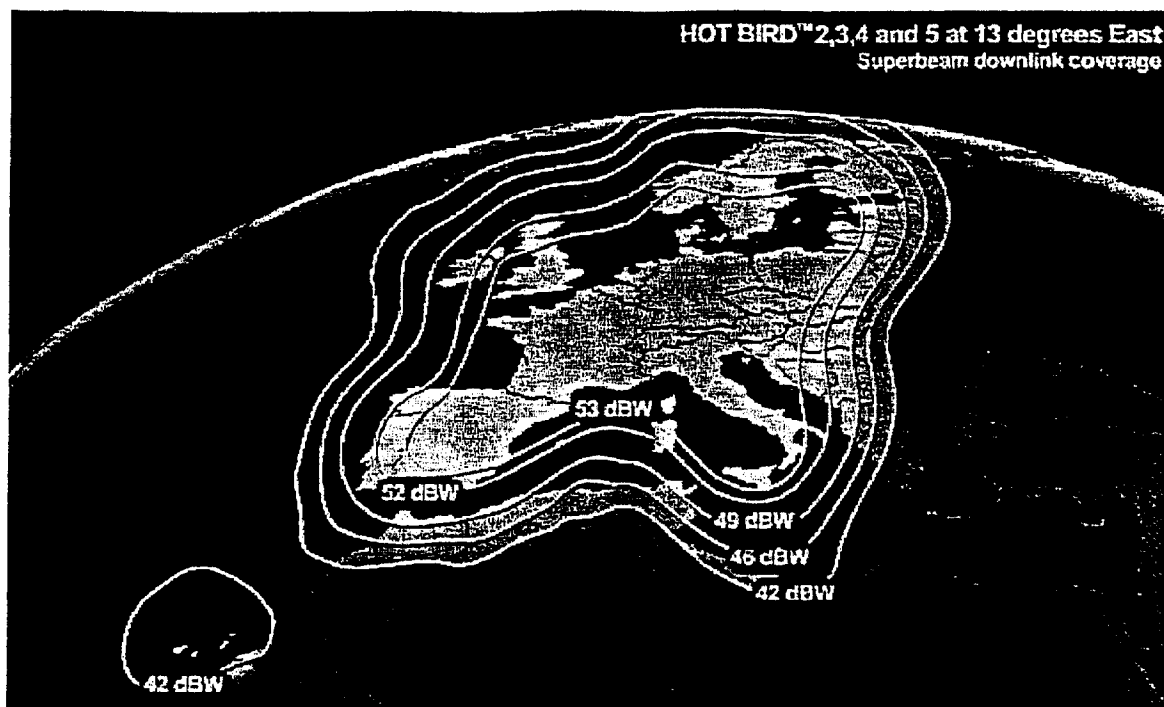
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26.0°E <C> 1.0°W 16.0°E <Ku> 10.0°E

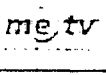
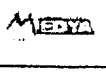
Hot Bird 1-5 | Hot Bird 1 | Hot Bird 2 | Hot Bird 3 | Hot Bird 4 | Hot Bird 5

Lyngemark Satellite Chart

Hot Bird 1-5 at 13.0°E

Hot Bird 1-5 © Lyngemark Satellite, last updated 2001-05-11 - http://www.lyngsat.com/hotbird.shtml									
Freq. Tp		Provider Name Channel Name		Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated	
10719 V tp 110		Cyfra +		MPEG-2 Mediaguard	27500 - 3/4	318-11000	wide	L Ristin 001027	
10723 H tp 111		British Telecom		MPEG-2	29900 - 3/4	318-11100	wide	G Cuccureddu 010417	
		EWTN Europe			4601	1001			
		(NewsLynx feeds)			4602	1002			
		CineNova		Cryptoworks	4603	1003			
		MTA International			4604	1004			
		Fox Sports Europe (19-06)		Cryptoworks	4605	1005			
		Fox Kids Russia (06-19)		Cryptoworks	4605	1005			
		Deepam TV		Viaccess	4606	1006			
10758 V tp 112		TPS		MPEG-2 Viaccess Mediaguard	27500 - 3/4	176-11200	super	J-C Repetto 000824	
10775 H tp 113		AFRTS		MPEG-2 PowerVu	28000 - 3/4	1-0	wide	F Rotsikas 010304	
		NewSports		PowerVu	1	1160			
		AFN Europe		PowerVu	2	1460			
		Spectrum		PowerVu	3	1360			
		AFN Pacific		PowerVu	4	1260			
		AFN Guide		PowerVu	5	1960			
		AFN Korea		PowerVu	6	1860			
		AFN Z-Rock		PowerVu	11				
		Westwood One Bright AC		PowerVu	12				
		Westwood One Country & Western		PowerVu	13				
		Westwood One Adult Rock & Roll		PowerVu	14				
		NPR Worldwide AFRTS		PowerVu	15				
		The Touch			16				
		ABC Pure Gold		PowerVu	17				
		Hat AC		PowerVu	18				
		Hero Radio		PowerVu	20				

Lyngemark Satellite Chart: Hot Bird 1-5 at 13.0°E218

		① Uninterruptible Voice Channel	A	PowerVu	33	1232 E		
		② AFN Power Network	A	PowerVu	35	1422 E		
		③ The Contingency Channel		PowerVu	36	1330 E		
10796 V tp 114		TPS	A DIG	MPEG-2 Viaccess Mediaguard	27500 - 2/3	176-11400	wide	T Martel 010509
10815 H tp 115		Duna TV	A T	PAL		6.50 Hu 7.02:7.20		
		① Kossuth Radió AM	A			7.38 Hu	wide	A Kardos 010306
		② Radió Budapest	A			7.56		
		③ Petőfi Radió	A			7.74 Hu		
		④ Regionális és Nemzetiségi Adások	A			7.92 Hu		
10834 V tp 116		TPS	A DIG	MPEG-2 Viaccess	27500 - 2/3	176-11600	wide	P Gauduin 001219
10853 H tp 117		CTV (05-07)	A	PAL		6.60 Ku		
		Mesopotamia TV (08-11)	A	PAL		6.60 Ku	wide	D de Jong 010402
		Medya TV (12-24)	A	PAL		6.60 Ku		
		① Radio Sweden	A			7.38		
		② [WRN 2 Europe info]				7.74		
10873 V tp 118		TPS	A DIG	MPEG-2 Viaccess	27500 - 3/4	176-11800	super	G Miguel 010503
10892 H tp 119		Cyfra +	A DIG	MPEG-2 Mediaguard	27500 - 3/4	318-11900	wide	P Chmielewicz 010502
10911 V tp 120		TPS	A DIG	MPEG-2 Viaccess Mediaguard	27500 - 3/4	176-12000	super	W Zaremba 010503
10930 H tp 121		Nova	A DIG	MPEG-2 Irdeto	27500 - 3/4	318-12100	wide	Harris 010511
10949 V tp 122		Alpha Digital		MPEG-2	27500 - 3/4	318-12200		
		Alpha Digital promo				7401 7456 7457		
		Alpha	A			7402 7452 7453 Gr		
		Alpha News promo				7403 7460 7461 Gr		
		Alpha Sports 1 promo				7404 7464 7465 Gr		
		Alpha Sports 2 promo				7405 7468 7469 Gr		
		Alpha Movies promo				7406 7472 7473 Gr		
		Alpha Cinema promo				7407 7476 7477 Gr		
		[Alpha PPV 1 test card]				7408 7480 7481		
		Alpha Life promo				7409 7484 7485		
		Kanali Voulis	A			7410 7488 7489 Gr		
		Polis TV	A			7411 7492 7493 Gr		
		① Alpha News	A			7413 7500 Gr		
		② Polis 88.6 FM	A			7414 7517 Gr		
		③ Alpha Sports 107.4 FM	A			7415 7532 Gr		

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Freq. Tp	Provider Name Channel Name	Video Encryption	SR - FEC SID - VPID	NID - TTD Audio	Beam	Source Updated

10974 H tp 123		TRT International	A T	PAL	6.65 Tu		
		TRT FM			7.02:7.20 Tu	wide	D Kernick 000824
		Voice of Turkey General Service	A		7.56 Tu		
		Voice of Turkey Foreign Service	A		7.92		
10992 V tp 124		Stream	A DIG	MPEG-2	27500 - 3/4	64511-12400	super Comax 010412
11013 H tp 125							super W Zaremba 010110
11034 V tp 126		TPS	A DIG	MPEG-2 Viaccess	29900 - 5/6	176-12600	super W Zaremba 010503
11054 H tp 127		Deutsche Telekom		MPEG-2	27500 - 5/6	318-12700	
		RTL Deutschland	A T		8001	160 80 G	
		Vox	A T		8002	500 501 G	
		Sat. 1 Österreich	A T		8003	511 512 G	
		RTL 2 Österreich	A T		8004	520 521 G	
		CNN International Deutschland	A T	Cryptoworks	8007	540 542 E/G	
		NBC Europe	A T		8008	550 551 E/G	wide
		ZDF	A T		8011	570 571 G	
		K-TV Fernsehen	A		8012	580 581 G	
		FAZ 93.6 Berlin	A		8005	530 G	
		To Proto			8010	560 Gr	
		Radio Horeb	A		8012	582 G	
		Big FM	A		8013	591 G	
		Party Radio	A		8014	596 G	
11060 V tp 128L		Arte	A T	MPEG-2	6510 - 3/4 1 98	177-176 99 G 101 F	wide Mehrdad 001229
11079 V tp 128		La Cinquième (03-19)	A T	PAL	6.60 F 7.02:7.20		wide H Delchambre 010105
		Arte (19-03)	A T	PAL	6.60 F 7.02:7.20 7.38:7.56 G		
11096 H tp 129				MPEG-2	27500 - 3/4	318-12900	
		Home Shopping Europe Italia	A		3714	4194 4195 I	wide
		Sparkassen TV (Mon-Fri 08-20)	A		3717	32 47 G	
		Olisat TV			3718	33 39 I	
		Sailing Channel	A		3719	37 34 I	
		Sparkassen TV (Mon-Fri 08-20)	A	Conax	3777	38 44 G	Edin 010503
11114 V tp 130		BBC World	A T	PAL	6.60 E 7.02:7.20		wide B Medvedev 000828
		BBC World Service	A		7.38 E		
		BBC World Service Balkans	A		7.74		
11130 H tp 131L							super I Stehlik 010301
11131 V tp 130U		BBC Prime	A T	MPEG-2 Viaccess	5632 - 3/4 5001 - 256	318-3801 257 E	wide J Fuller 000927
11148 H tp 131L		TVN	A T	PAL	6.65 Po 7.02:7.20		super Z Marchewka 010323
		Deutsche Welle TV	A	PAL		7.02:7.20 G	

11163 V tp 132L		⑩ Deutsche Welle 1	A			7.38:7.56 G	wide	F Kocsis 001217	
		⑩ Deutsche Welle 4	A			7.74			
		⑩ Deutsche Welle 5	A			7.92			
		⑩ Radio Finland	A			8.10			
		⑩ Deutsche Welle 2	A			8.28 E			
		⑩ Deutsche Welle 6	A			8.46			
11178 H tp 131U							super	B Stumpf 010301	
11196 V tp 132U		Deutsche Welle TV	A		MPEG-2	9098 - 1/2 5301 - 101	318-13201 102 G	wide	I Zireison 000903
		⑩ Deutsche Welle 1	A			5302	201 G		
		⑩ Deutsche Welle 2	A			5303	301 E		
		⑩ Deutsche Welle 4	A			5304	401		
		⑩ Deutsche Welle 5	A			5305	501		
		⑩ JazzRadio (Berlin)	A			5308	801 G		
		⑩ Deutsche Welle 6	A			5309	901		

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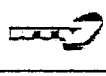
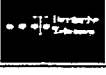
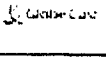
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Freq. Tp		Provider Name Channel Name		Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated	
11205 H tp 1L		Canal 24 Horas	A	MPEG-2	4000 - 3/4 -- 4130	0-0 4131 Sp	super wide	J Puig 000312	
11224 H tp 1		TVE Internacional Europe	A T	PAL		6.60 Sp	super wide	G Bregar 970121	
		RNE Radio 1	A			7.38 Sp			
		REE - Radio Exterior de España	A			7.56			
11242 V tp 2		MTV Networks	A	MPEG-2 Cryptoworks Viaccess	27500 - 3/4	318-200	super wide	D Lita 010501	
		MTV 2 Pop	T	Cryptoworks	1 160	80 G			
		MTV Italia	A	Cryptoworks	2 161	84 I			
		(Bloomberg TV feeds)		Cryptoworks	3 162	88			
		MTV 2 Europe	A	Cryptoworks Viaccess	4 163	92 E			
		MTV NL	A T	Cryptoworks	5 164	96 E			
		MTV Europe	A T	Cryptoworks	6 165	100 E			
		VH 1 European	A	Cryptoworks Viaccess	7 166	104 E			
		(feeds)			8 167	108			
		MTV France	A T	Cryptoworks Viaccess	9 168	112 F			
11262 H tp 3		Premiere World	A	MPEG-2 Betacrypt	27500 - 3/4	133-1	super wide	W Zaremba 010501	
		Planet	A	Betacrypt	13 1100	1104 G			
		Seasons	A	Betacrypt	33 1040	1044 G			
		The Disney Channel Germany	A	Betacrypt	34 1030	1034 G			
		Studio Universal	A	Betacrypt	36 1050	1054 G			
		Blockmaster		MPEG-2	2562				
11283 V tp 4		Cyfra +	A DIG	MPEG-2 Mediaguard	27500 - 3/4	318-400	super wide	W Zaremba 010510	
		Discovery Channel	A	MPEG-2 PowerVu	27500 - 3/4	318-0			

11304 H tp 5		Animal Planet	A	PowerVu	10	1160	1120 E/Po		
		Discovery Channel East Europe	A	PowerVu	20	1260	1220 E 1222 SIK 1222 Po		
		Discovery Channel Italy	A	PowerVu	30	1360	1320 I 1322 E		
		Discovery Channel Russia	A	PowerVu	40	1460	1420 R 1422 E		
		Animal Planet Russia	A	PowerVu	50	1560	1520 E 1522 R		
		Discovery Channel Nederland & Vlaanderen	A	PowerVu	60	1660	1620 Du 1621 E	super wide	D de Jong 000926
		Discovery Channel Poland	A	PowerVu	70	1760	1720 Po 1722 E		
		Discovery Travel & Adventure	A	PowerVu	80	1860	1820 E 1820 Po 1822 R		
		Discovery Sci-Trek	A	PowerVu	90	1960	1920 Po 1922 E		
		Discovery Civilisation	A	PowerVu	100	1060	1020 Po 1022 E		
11322 V tp 6	TV5 EUROPE	TV 5 Europe	A T	PAL			6.60 F		
		France Info	A				7.20 F	super wide	George Bowen 010404
		France Inter	A				7.38 F		
		France Culture	A				7.56 F		
		Radio Maria	A				7.74 I		
		RMC Moyen-Orient	A				7.92 A		
11331 H tp 7L				MPEG-2	6110 - 3/4		1-1	super wide	W Zaremba 010328
		Dwa Swiaty 1			1	33	34		
		Dwa Swiaty 2			2	37	38		
11338 V tp 6U	TV5	TV 5 Asie	A	MPEG-2	5632 - 3/4 1 - 512		65535-1 640 F	super wide	A Saydam 001207
		RFI - Radio France International	A		1		642 F		
		RFI Middle East/Asia	A		1		643 F		
11348 H tp 7	4	TV 4 (Poland)	A T	PAL			6.60 Po 7.02:7.20	super wide	J Puig 000610
11363 V tp 8	RAI	RAI Uno	A T	PAL			6.60 I 7.02:7.20	super wide	J-Y Perrier
		RAI Radio 1	A				7.38 I		
		RAI Radio 3	A				7.56 I		
11371 H tp 9L		[test card]		MPEG-2 PowerVu	4000 - 3/4 1 - 1160		1-0 1120	super wide	S Gungor 010511
11390 H tp 9	RAI 24	RAI News 24 (00-18)	A	PAL			6.65 I 7.02:7.20	super wide	W Bunezki 010320
	EUROSPORT	EuroSport News (18-24)	A T	PAL			6.65 I 7.02:7.20		
11405 V tp 10		[GlobeCast Serte Paris card]		PAL			6.60 7.02:7.20	super wide	W Tilling 010501
11413 H tp 11L		(PolSat feeds)		MPEG-2	6110 - 7/8			super wide	F Rotsikas 001201
11431 H tp 11	POLSAT	PolSat	A	PAL			6.60 Po 7.56:7.74	super wide	V Plavcak 010102
		RMF FM	A				7.02:7.20 Po		
11446 V	RAI	RAI Due	A T	PAL			6.60 I 7.02:7.20	super wide	P Ebner 980219
		RAI Radio 2	A				7.38 I		

Lyngemark Satellite Chart: Hot Bird 1-5 at 13.0°E618

tp 12	 RAI International		7.56
	 GR Parlamento		7.74 I

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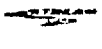
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Freq. Tp		Provider Name Channel Name		Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated
11457 H tp 13L		TVP Regionalna		MPEG-2	6111 - 3/4 -- 4032	4660-18193 4033 Po	super wide	W Zaremba 990803
11464 V tp 12U		RAI International 2		MPEG-2 DMV	4398 - 7/8 1 - 512	65535-1 650 I	super wide	F Rotsikas 981106
		 RAI International		MPEG-2 DMV	2	660		
11474 H tp 13		TV Polonia		PAL		6.60 Po 7.02:7.20		
		 Polskie Radio 5				7.38 Po	super wide	P Swiderski 970606
		 Polskie Radio 1				7.56 Po		
		 Polskie Radio 3				7.74 Po		
		 Radio Maryja				7.92 Po		
11489 V tp 14		RTL 7		PAL		6.60 Po 7.02:7.20	super wide	A Nassalski 980612
11516 H tp 15		Canal + Bialy		PAL Syster P2		6.60 Po 7.02:7.20		
		 EuroSport News				7.38 Po	super wide	H Skienka 001230
		 EuroSport				7.56 Po		
		 EuroSport News				7.74 Po		
11531 V tp 16		RAI Tre		PAL		6.60 I 7.02:7.20	super wide	F Savini
11566 H tp 153		TBN Europe		PAL		6.50 E 7.02:7.20	wide	Anonymous 991213
11585 V tp 154							wide	A Ishchenko 010501
11604 H tp 155		Deutsche Telekom		MPEG-2	27500 - 5/6	318-15500		
		Sat. 1 Schweiz			601	101	102 G	
		DeeJay TV			602	160	161 I	
		KurdSat			603	111	112 Ku	
		ARD Das Erste			606	172	173 G	
		RTL Österreich		Cryptoworks	607	1000	1004 G	
		RTL Schweiz		Cryptoworks	608	1010	1014 G	
		RTL 2 Schweiz			609	175	176 G	
		Super RTL Österreich			610	180	181 G	
		Viva Polska			611	190	191 Po	
		 Radio DeeJay			602		162 I	
		 Big FM			604		113 G	
		 Party Radio			605		115 G	
		GlobeCast		MPEG-2	27500 - 3/4	318-15600		
		3ABN			10701	221	241 E	
		MKTv Sat			10702	222	242 Mac	
		Channel X (03-21)			10703	223	243 F	

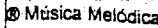
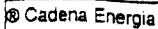
11623 V tp 156		Ultra Blue TV (21-03)	A	Viaccess Irdeto	10703	223	243	wide	A Amin 010505
		TeleCampione			10705	225	245 I		
		TeleCampione			10706	2.6	226 I		
		TV Romania International	A T		10707	227	247 Ro		
		[Serte test card]			10708	228	248		
		Channel Sun	A		10709	229	249 K		
		123 Sat (06-22)	A T		10710	230	250		
		69 X TV (22-06)	A T		10710	230	250		
		102.5 Hit Channel	A		10750	224	244 I		
		3 ABN Radio	A		10701		251 E		
		Hit Channel	A		10704		244 I		
		RTL 102.5 Classic			10704		254 I		
		Radio România Actualitati			10751		257 Ro		
		Radio Romania International Open Radio			10752		267 Ro		
11642 H tp 157		Bloomberg TV		MPEG-2	27500 - 3/4	0-0		wide	V Plavcak 010507
		Bloomberg TV France	A	PowerVu	1	1160	1120 F		
		Bloomberg TV Italia	A	PowerVu	2	1260	1220 I		
		[Bloomberg TV Europe test card]			3	1360	1320		
		Bloomberg TV Deutschland	A		4	1460	1420 G		
		Bloomberg TV UK	A		5	1560	1520 E		
		Sat 7 (18.30-20.30)	A		6	1660	1620 A		
		Quantum 24	A		7	1760	1720 E 1720 P		
11662 V tp 158		TPS	A DIG	MPEG-2 Viaccess	27500 - 3/4	176-15800		super	F Rotsikas 990825
11681 H tp 159		AB Sat	A DIG	MPEG-2 Viaccess Mediaguard	27500 - 3/4	318-15900		wide	Mehrdad 010425

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Freq. Tp		Provider Name Channel Name		Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated	
11727 V tp 50		RTP Internacional	A T	PAL		6.60 P	wide	R Eckendorff 001101	
		RDP Internacional	A			7.02 P			
		RDP Antena 1	A			7.20 P			
		RDP África	A			7.56 P			
		EuroSport				8.46 P			
11747 H tp 51		Dubai mux		MPEG-2	27500 - 3/4	318-5100	wide	S Hammad 010304	
		Dubai EDTV	A T		9501 4130	4131 A			
		Dubai Sports Channel	A		9502 4386	4387 E 4388 A			
		Dubai Business Channel	A		9503 4642	4643 A			
		Dubai EDTV	A		9504 4898	4899 A			
		UAE Radio Dubai			9523	4098 A			
		UAE Radio Dubai			9524	4099 A			
11766 V tp 52		RAI		MPEG-2	27500 - 2/3	318-5200	wide	D de Jong 010502	
		RAI Uno	A T		3401 160	80 I			
		RAI Due	A T		3402 161	84 I			
		RAI Tre	A T		3403 162	88 I			

		RAI Med			3404	515	.53 I		
		Canale Lavoro promo			3405	516	654 I		
		RAI Mosaico	A		3407	518	656 I		
11785 H tp 53		Canal 24 Horas	A T	PAL			6.60 Sp	wide	D Purg 001001
		Ⓜ RNE Radio 1	A				7.02 Sp		
		Ⓜ RNE Radio 5 Todo Noticias	A				7.20 Sp		
		Ⓜ RNE Radio Clásica	A				7.38:7.56 Sp		
		Ⓜ RNE Radio 3	A				7.74:7.92 Sp		
11804 V tp 54	Rai 	RAI		MPEG-2	27500 - 2/3		318-5400	wide	F Rotsikas 000902
		RAI News 24	A		3301	516	654 I		
		Camera dei Deputati	A		3302	517	655 I		
		TelePace	A		3304	515	653 I		
		RAI Sport Satellite	A		3305	512	650 I		
		RAI Nettuno Sat Due	A		3306	513	651 I		
		RAI Educational	A		3307	514	652 I		
		RAI Nettuno Sat Uno	A		3308	519	657 I		
		Sat 2000	A		3309	518	656 I		
		Ⓜ RAI Radio 1	A		3311		670 I		
		Ⓜ RAI Radio 2	A		3312		671 I		
		Ⓜ RAI Radio 3	A		3313		672 I		
		Ⓜ FD Leggera	A		3314		673 I		
		Ⓜ FD Auditorium	A		3315		665 I		
		Ⓜ Blu Sat 2000			3316		677 I		
		Ⓜ GR Parlamento	A		3317		664 I		
		Ⓜ Isoradio	A		3318		661 I		
		Ⓜ FD Leggera (06-24)	A		3319		667 I		
		Ⓜ Notturmo Italiano (00-06)	A		3319		667 I		
11823 H tp 55		Nova	A DIG	MPEG-2 Irdeto	27500 - 3/4		318-5500	wide	W Zaremba 010323
11843 V tp 56		Stream	A DIG	MPEG-2 Irdeto Videoguard	27500 - 3/4		64511-5600	super	R Eckendorff 010505
11862 H tp 57		D+	A DIG	MPEG-2 Mediaguard	27500 - 3/4		16384-5700	super	D de Jong 010506
11881 V tp 58		Stream	A DIG	MPEG-2 Irdeto Videoguard	27500 - 3/4		64511-5800	super	G Cuccureddu 010401
11900 H tp 59		D+	A DIG	MPEG-2 Mediaguard	27500 - 3/4		16384-5900	super	D de Jong 010506
11919 V tp 60		Mediaset	A	MPEG-2	27500 - 2/3		272-6000	wide	F Rotsikas 000331
		Italia 1	A T		1	512	650 I		
		Canale 5	A T		2	513	660 I		
		Rete 4	A T		3	514	670 I		
		(feeds)		Mediaguard	4	515	680 I		
		Ⓜ Radio Mater			11		681 I		
11938 H		NTV International (Russia)	A	MPEG-2 Viaccess	27500 - 3/4		318-61		
		NTV International (Russia)	A	Viaccess	7101	160	80 R		
		NTV Plus Nashe Kino (-2h)	A	Viaccess	7102	161	82 R		I Zirelson

tp 61		NTV Plus Detskij Mir (-2h)	A	Viaccess	7103	162	84 R	wide	010103
		EuroSport Russia	A	Viaccess	7104	163	86 R		
		NTV USA (-2h)	A	Viaccess	7105	164	88 R		
		NTV Plus	A	Viaccess	7106	165	90 R		
11958 V tp 62		D+	A DIG	MPEG-2 Mediaguard	27500 - 3/4		16384-6200	super	D de Jong 010506
11977 H tp 63		Stream	A DIG	MPEG-2 Irdeto Videoguard	27500 - 3/4		64511-6300	super	W Zaremba 010414
11996 V tp 64		D+	A DIG	MPEG-2 Mediaguard	27500 - 3/4		16384-6400	super	Jadranko 010507
12015 H tp 65		Arabesque		MPEG-2 Viaccess	27500 - 3/4		318-6500	wide	Jawana 010323
		ART International Middle East	A	Viaccess	410	160	80 A		
		ART Teenz (06-20)	A	Viaccess	420	161	84 A		
		ART Al-Tarab (20-06)	A	Viaccess	420	161	84 A		
		ART Movies	A	Viaccess	430	162	88 A		
		ART Music	A	Viaccess	440	163	92 A		
		ART International Europe	A		450	164	96 A		
		LBC Europe	A	Viaccess	460	165	100 A		
		ESC 2	A		470	166	104 A		
		ART Sport	A	Viaccess	472	167	108 A		
		Iqraa TV	A		474	168	112 A		
		TV d'Algérie	A	Viaccess	476	169	116 A		
		Ⓢ General Arabic 1			410		81 A		
		Ⓢ General Arabic 2			430		89 A		
		Ⓢ Al-Quraan Al-Kareem			450		97 A		
		Ⓢ ART Al-Thekr			474		113 A		
12034 V tp 66		D+	A DIG	MPEG-2 Mediaguard	27500 - 3/4		16384-6600	super	D de Jong 010506
12054 H tp 67		D+	A DIG	MPEG-2 Mediaguard	27500 - 3/4		16384-6700	super	N Schlammer 010511
12073 V tp 68		D+	A DIG	MPEG-2 Mediaguard	27500 - 3/4		16384-6800	super	Comax 000930
12092 H tp 69		TSA	A	MPEG-2	27500 - 3/4		318-6900	wide	D de Jong 010510
		Visions Europe (20-22)			4416		4417		
		TV Locale			8704	4160	4161 Sp		
		RCT - Rainbow Channel TV	A	Viaccess	8706	4520	4521		
		TVE Internacional Europe	A		8707	4208	4209 Sp		
		La Cadena del Milagro Internacional	A		8711	4368	4369 Sp		
		Canal Fiesta	A		8720	4432	4433 Sp		
		SCT - Satisfaction Channel TV	A	Viaccess	8727	4192	4193 I		
		Italia Sat			8728	4600	4601 I		
		UBN			8729	4612	4611 A		
		Sex View		Viaccess Irdeto	8731	4630	4631 G		
		Ⓢ Música y Noticias	A	Viaccess	8713		4401		
		Ⓢ Música Ambiental	A	Viaccess	8714		4402		
		Ⓢ Música Moderna	A	Viaccess	8715		4403		
		Ⓢ Música Clásica	A	Viaccess	8716		4404		
		Ⓢ Música en Español	A	Viaccess	8717		4405		

		A	Viaccess	8718	4406	
				8725	4500 Sp	

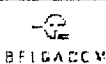
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Freq. Tp		Provider Name Channel Name		Video Encryption	SR - FEC SID - VPID	INID - TID Audio	Beam	Source Updated
12111 V tp 70		Magna		MPEG-2	27500 - 3/4	318-7000	wide	A Amin 010505
		Krisma TV (00-08)	A		701	200		
		Art Channel (21-24)	A		701	200		
		Magna promo			702	210		
		[test card]			703	220		
		[test card]			704	230		
		NTA - National TV of Armenia	A		705	240		
		JSC - Al Jazeera Satellite Channel	A		708	270		
		Coming Soon TV	A		717	310		
		Salute Benessere	A		718	320		
		Armenia Radio	A		705			
		Radio Rock	A		711			
		Radio Rock	A		730			
		Radio Classica			735			
12130 H tp 71		Magyar 2	A T	PAL		6.50 Hu 7.02:7.20	wide	S Laczko 010307
		Barók Rádó	A			7.74:7.92 Hu		
12149 V tp 72		Sitcom World	A	MPEG-2	27500 - 3/4	318-7200	wide	A Kardos 010509
		[Antenna Hungaria test card]			7201	96		
		Simaye Azadi Iran National TV	A		7202	112		
		Espresso promo	A		7203	192		
		[Antenna Hungaria test card]			7205	36		
		Alice	A		7220	160		
		Nuvolari	A		7221	176		
		Leonardo	A		7222	128		
		Kossuth Rádó	A		7206			
		Rádó Budapest	A		7206			
		Petőfi Rádó	A		7207			
		Regionális és Nemzetiségi Adások	A		7207			
12169 H tp 73		Nova	A DIG	MPEG-2 Irdeto	27500 - 3/4	318-7300	wide	F Rotsikas 010409
		OTE	A	MPEG-2	27500 - 3/4	56-7400		
		OTE promo	A		1001	517		
		RTS Sat	A		1022	519		
		Magic Peiraia			1023	3584		
		ERT Sat	A T		1102	514		
		Extra Channel	A		1106	516		
		Tele Asty	A		1108	513		
		Euro Shopping Channel			1108	513		
		EuroSport	A	Videoguard	1201	512		
		CNBC Europe (Mon-Fri 06-12)	A	Videoguard	1202	518		

12188 V tp 74		National Geographic Channel UK (Mon-Fri 20-02 & Sat-Sun)	A	Videoguard	1202	518	656	wide	F Rotsikas 010329
		MCM Europe (17-05)	A	Videoguard	1203	3968	3969 F		
		Muzzik (05-17)	A	Videoguard	1204	3968	3969 F		
		Hallmark (17-05)	A	Videoguard	1205	515	653		
		Fox Kids (05-17)	A	Videoguard	1206	515	653		
		ERA 1	A	Videoguard	1301		740 Gr		
		ERA 2	A	Videoguard	1302		741 Gr		
		ERA Trito	A	Videoguard	1303		742 Gr		
		ERA Spor	A	Videoguard	1304		743 Gr		
		Sport FM	A		1306		750 Gr		
		SKAI 100.4 FM	A	Videoguard	1308		752 Gr		
		Flash 9.61	A		1309		753 Gr		
		902 Aristera Sta FM	A		1310		660 Gr		
		NSR - Network Satellite Radio			1311		661 Gr		
		Planet 104.5			1312		662 Gr		
		Jeronimo Groovy	A		1313		663 Gr		
		Kiss FM 909	A		1316		751 Gr		
		Radio Gold 105 FM	A		1317		665 Gr		
		Nitro Radio	A		1320		754 Gr		
		Radio Siera	A		1321		755 Gr		
		Athina 9.84 FM	A		1322		664 Gr		
		Radio Beograd 1	A		1323		667 Se		
12198 H tp 75		Pro TV	A	MPEG-2 PowerVu	12130 - 7/8		1-1	wide	G Cuccureddu 001221
		Pro TV	A	PowerVu	1	1160	1120 Ro		
		Acasa TV	A	PowerVu	2	1260	1220 Ro		
		Pro TV International	A		3	1360	1320 Ro		
		Pro Sport		PowerVu	4	1460	1420 Ro		
		Radio Info Pro		PowerVu	2		1222		
12211 H tp 75		TVN	A	MPEG-2	5632 - 3/4 1 - 4194		4194-1 4195 Po	wide	F Rotsikas 001201
12220 H tp 75		RR Satellite Communications	A	MPEG-2	6161 - 3/4		4369-1	wide	I Zirelson 010319
		Arirang TV World 1	A		1	33	34 E/K		
		ATN Bangla	A		2	1057	1058 Ben		
		BK 063 Sat	A		4	3105	3106 Se		
		Israel Radio International	A		1		35		
		Reshet Aleph	A		1		35 He		
		Voice of Hope	A		2		1059 A		
		Voice of Vietnam	A		2		1059		
		AFN - American Farsi Netlink	A		2		1060 Fa		
		Tamil Alai			2		1060		
12236 V tp 76		DCTV - DaimlerChrysler TV	A	MPEG-2	13400 - 3/4 11 - 1160		318-0 1120 E 1121 I 1122 Tu 1123 G 1430 Sp 1431 F 1432 P	wide	van Pelt 001207
				MPEG-2 Viaccess Mediaguard	27500 - 3/4		318-7700		
		CFI Peco Pro	A	Viaccess	101	121	131 F		
				Viaccess					

12245 H tp 77		MCM Europe	A	Mediaguard	102	122	132 F	wide	D de Jong 010419
		Fashion TV	A		103	123	133 F		
		TTN - Tamil TV Network	A	Viaccess	104	124	134 Ta		
		Muzzik	A	Viaccess Mediaguard	105	125	135 F		
		Canal + Horizons	A	Viaccess Mediaguard	106	126	136 F		
		Ajara TV	A		107	127	137 Ge		
		Radio Rinascente	A		171		321 I		
		Radio Cooky	A		172		322 I		
		Radio Baby	A		173		323 I		
		Radio McDonald's	A		174		324 I		
		Radio Day Classic	A		175		325 I		
		Radio Dimensione Suono	A		182		292 I		
		Radio 2000	A		183		293 He		
12265 V tp 78		Deutsche Telekom		MPEG-2 PowerVu	27500 - 3/4	1-0		wide	van Pelt 010330
		(Business TV feeds)		PowerVu	1	1160	1120		
		(Business TV feeds)		PowerVu	2	1260	1220		
		[test card]		PowerVu	11	1360	1320		
		Telekom TV		PowerVu	13	1460	1420 G		
		DCTV - DaimlerChrysler TV	A		14	1960	1920 G		
		Wella TV	A	PowerVu	21	1560	1520 G		
12303 V tp 80		[test card]			99	1660	1620	wide	Edin 010414
		ERT Sat	A T	PAL			6.60 Gr		
		RTV Slovenija	A	MPEG-2	27500 - 3/4	318-8000			
		TV Slovenija 1	A T	Viaccess	3201	200	201 Slo		
		TV Slovenija 2	A T	Viaccess	3202	203	204 Slo		
		Polonia 1	A		3203	205	206 Po		
		Super 1	A		3207	207	208 Po		
		Napoli International	A		3210	240	241 I		
		Magic TV	A		3211	245	246 I		
		Count Down TV	A		3212	235	236 I		
		TBN Italy	A		3213	230	231 I		
		Kurdistan TV	A		3214	225	226 A		
		Radio Slovenija 1	A		3204		250 Slo		
		Radio Slovenija 2	A		3205		251 Slo		
		Radio Slovenija 3	A		3206		252 Slo		
		STR - Slovenski Turisticki Radio	A		3208		253 Slo		
12322 H tp 81		PolSat 2 Cyfrowy	DIG	MPEG-2 Nagravision	27500 - 3/4	113-8100		wide	W Zaremba 010309
12341 V tp 82		D+	A DIG	MPEG-2 Mediaguard	27500 - 3/4	16384-8200		super	D de Jong 010506
12360 H tp 83		PolSat 2 Cyfrowy	DIG	MPEG-2 Nagravision	27500 - 3/4	113-8300		super	Edin 010414
		GlobeCast	A	MPEG-2	27500 - 3/4	318-8400			
		Paris Première	A	Viaccess Mediaguard	3001	3021	3031 F		
		Atlas TV (19-22)			3002	3022	3032 F		

12380 V tp 84		Tele 24	A T		3003	3023	3033 G	wide	W Zarembo 010412
		Abu Dhabi TV	A		3004	3024	3034 A		
		Tiji	A	Viaccess Mediaguard	3005	3025	3035 F		
		TV Montenegro	A		3006	3026	3036 Se		
		Game One	A	Viaccess Mediaguard	3007	3027	3037 F		
		Equidia International	A	Viaccess Mediaguard	3051	3321	3331 F 3341 E		
		Radio Dimensione Suono	A		3081		3531 I		
		Tamil Oli Radio	A		3082		3532		
		Emarat FM	A		3083		3533 A		
		Emarat FM	A		3084		3534 A		
		Radio Gal			3087		3537 He		
		Radio Montenegro	A		3088		3538 Se		
12399 H tp 85		SBC (Switzerland)	A	MPEG-2 Viaccess	27500 - 3/4		318-85	wide	M Gusset 010201
		SF 1	A T	Viaccess	901	16	80 G 81 orig		
		TSR 1	A T	Viaccess	902	161	84 F 85 orig		
		TSI 1	A T	Viaccess	903	162	88 I 89 orig		
		SF 2	A T	Viaccess	907	163	92 G 93 orig		
		TSR 2	A T	Viaccess	908	164	96 F 97 orig		
		TSI 2	A T	Viaccess	909	166	100 I 101 orig		
		SRG SSR Sat Access info	A T		910	165	98		
		SF 1	T	Viaccess	911	167	102 G		
		Swiss Pop	A		910		98 G		
		Swiss Classic	A		910		99 E		
		SRI Français/Italiano	A		951		199 F		
		SRI Europe	A		953		200		
		SRI Intercontinental	A		954		201		
		RSR Option Musique	A		957		204 F		
		RSR Espace 2	A		958		205 F		
12418 V tp 86		D+	A DIG	MPEG-2 Mediaguard	27500 - 3/4		16384-8600	super	D de Jong 010506
12437 H tp 87		IRIB		MPEG-2	27500 - 3/4		602-73	wide	J Puig 000906
		Jaam-e-Jam TV Network 1	A		1	160	80 Fa		
		Jaam-e-Jam TV Network 2	A		2	161	82 Fa		
		Sahar Universal Network			3	162	84 Fa		
		Sahar Universal Network tests			4	163	86		
		IRINN - Iranian News Network			5	164	88 Fa		
		Sahar Universal Network tests			6	165	90		
		IRIB World Service Radio 1	A		4		87		
		IRIB Radio 1	A		7		81 Fa		
		IRIB Arabic Radio	A		8		83 A		
		IRIB World Service Radio 1	A		8		83		
		IRIB World Service Radio 2	A		9		85		
		IRIB World Service Radio 3	A		9		85		
		Hallmark	A	MPEG-2 PowerVu	27500 - 3/4		1-8800		
		Hallmark Central Europe	A	PowerVu	1	1160	1120 Po 1120 Hu		

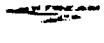
12460 V tp 88L		Hallmark Eastern Europe	A	PowerVu	2	1260	1220 orig 1222 R	wide	M Mannov 010502
		Hallmark Czechia	A	PowerVu	3	1360	1320 orig 1322 Cz		
		Hallmark Greece & Turkey	A	PowerVu	4	1460	1420 Gr 1422 Tu		
		Hallmark Portugal & Spain	A	PowerVu	5	1560	1520 P 1522 Sp		
		Hallmark Scandinavia	A	PowerVu	6	1660	1620 ong 1622 E		
		Hallmark Russia	A	PowerVu	7	1760	1720 R 1722 orig		
		Hallmark UK	A	PowerVu	8	1860	1820 ong 1822 E		
12476 H tp 89		Belgacom	A	MPEG-2	27500 - 3/4		318-8900	wide	
		EbS - Europe by Satellite	A T		10601	101	201 ong 202 E 203 F 204 G 205 I 206 Sp 207 Gr 208 P 209 Du 210 D 211 Fi 212 S		
		Maharishi Open University Europe	A		10602	42	43		
		Liberty TV.com	A		10603	941	942 F		
		Zee TV UK	A T	Irdeto	10604	910	911 Hi		
		Pink Plus	A	Irdeto	10605	308	256 Se		
		[test card]			10606	435	436		
		2M Maroc	A		10607	601	602 A		
		SENSE (Mon-Fri 19-)	A		10601		213		
		Radio Pink	A	Irdeto	10605		257 Se		
		Radio 2M			10608		603 F		
		RVI - Radio Vlaanderen Internationaal	A		10610		901		
		Family Radio International 2	A		10611		966		
		Radio 74	A		10612		921 E		
		Radio 74 International	A		10613		931 E		
		Family Radio	A		10614		951 E		
		Family Radio International 1	A		10615		961		
		Radio Framboise Nord	A		10616		971 F		
		Al-Mahabba Radio			10618		998 Ar		
		Top Two	A		10619		991 G		
		Radio Top	A		10620		996 G		
		Spreeradio 105.5	A		10652		501 G		
		WorldNet	A	MPEG-2	8300 - 3/4		318-1		
		WorldNet Europe	A		1	4260	4220 E		
		WorldNet	A		4	4560	4520 E		
		Voice of America (EU 3)	A				4222 R		
		RFE/Radio Liberty (EU 4)	A				4222 R		
		Voice of America (EU 5)	A				4230 Uk		
		RFE/Radio Liberty (EU 6)	A				4230 Ar		
		Voice of America (EU 7)	A				4232 Ge		
		RFE/Radio Liberty (EU 8)	A				4232 Bei		
		VoA Music Mix (EU 9)	A				4320 E		
		Voice of America (EU 11)	A				4322 Rc/Es		

12484 V tp 88U	Ⓜ RFE/Radio Liberty (EU 11)	A		4322 Ro/Es	wide	F Rotsikas 010323
	Ⓜ Voice of America (EU 12)	A		4322 Bu		
	Ⓜ RFE/Radio Liberty (EU 12)	A		4322 Bu		
	Ⓜ Voice of America (EU 13)	A		4330		
	Ⓜ Voice of America (EU 14)	A		4330		
	Ⓜ RFE/Radio Liberty (EU 14)	A		4330		
	Ⓜ VoA News Now (EU 15)	A	Ⓜ	4332 E		
	Ⓜ IBB Pristina (EU 16)			4332		
	Ⓜ Voice of America (EU 17)	A		4420 La		
	Ⓜ IBB Pristina (EU 18)			4420		
	Ⓜ Voice of America (EU 19)	A		4422 Al		
	Ⓜ RFE/Radio Liberty (EU 20)	A		4422 Tur/Li		
	Ⓜ Voice of America (EU 21)	A		4430 Uz/Tat		
	Ⓜ RFE/Radio Liberty (EU 21)	A		4430 Uz/Tat		
	Ⓜ Voice of America (EU 22)	A		4430 Ky		
	Ⓜ RFE/Radio Liberty (EU 22)	A		4430 Ky		
	Ⓜ VoA Eastern Europe (EU 23)	A		4432 Cz/Si		
	Ⓜ RFE/Radio Liberty (EU 23)	A		4432 Cz/Si		
	Ⓜ VoA Eastern Europe (EU 24)	A		4432 Kz/Az		
	Ⓜ RFE/Radio Liberty (EU 24)	A		4432 Kz/Az		
	Ⓜ RFE/Radio Liberty (EU 25)	A		4522		
	Ⓜ RFE/Radio Liberty (EU 26)	A		4522		

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Freq. Tp		Provider Name Channel Name		Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated	
12520 V tp 90	HRT	HRT		MPEG-2	27500 - 3/4	318-9000	wide	H Zeissler 010505	
		HRT TV 1	A T		8301	100			
		HRT TV 2	A T	Viaccess	8302	103			
		HRT TV 3	A T	Viaccess	8303	105			
		Sicilia International	A		8309	501			
		Sardegna Uno Sat	A		8310	503			
		Euro Mediterraneo	A		8312	510			
		TGRT	A		8313	505			
		BVN TV (01-07)	A		8315	214			
		Videolina	A		8318	515			
		[MTN TV test card]			8326	701			
		Ⓜ HR International			8304	153			
		Ⓜ HRT HR 1	A		8305	150			
		Ⓜ HRT HR 2	A		8306	151			
		Ⓜ HRT HR 3	A		8307	152			
		Ⓜ TGRT FM	A		8317	149			
		Ⓜ Radiolina			8318	517			
		Ⓜ Otvoreni Radio	A		8319	107			
		Ⓜ FM Italia			8320	108			
		Ⓜ Radio Smile			8325	702			
	Eutelsat	Eutelsat Skyplex		MPEG-2	27500 - 3/4	318-9100			
		Sisal TV	A	PowerVu	1	4356			
		TV Bulgaria			8827	4612			

12539 H tp 91									
		Monte Carlo Sat				8877	5126	5122 I	
		Mediolanum Channel				8987	1131	1132 I	
		Www.travel				8993	1180	1183 E 1185 R 1186 Po	wide D Dossena 010111
		Horizont				8828		4615 Bu	
12558 V tp 92		EuroSport			MPEG-2	27500 - 3/4		319-9200	
		CNES tests				9252	6143	6142	
		Q Magazine promo (daytime)				9280	1037	1039 I	
		EuroSport			Viaccess Mediaguard	9352	2577	2562 E 2563 G 2564 Du 2565 Po 2566 R 2567 Hu 2568 P 2569 Ro 2582 F	wide D de Jong 010421
		EuroSport News			Viaccess Mediaguard	9362	2825	2823 E 2818 Po	
		24 ore				9373	6916	6917 I	
12565 H tp 93		Reminiscent TV Network			MPEG-2	6142 - 3/4		318-9301	
		Asianet UK				5601	7713	36	wide E Grech 010426
		Cee (I) TV				5602	7729	7732 Ta	
12573 H tp 93		TVN			MPEG-2	5632 - 3/4 1 - 4194		4194-1 4195 Po	wide F Rotsikas 001201
12581 H tp 93		APTN Middle East			MPEG-2	5632 - 3/4 1		0-1 E	wide F Rotsikas 000331
12590 H tp 93		APTN London			MPEG-2 RAS	5632 - 3/4 1 - 512		65535-1 640 E	wide F Rotsikas 981128
12597 V tp 94		GlobeCast			MPEG-2	27500 - 3/4		318-9400	
		MBC				8201	160	80 A	
		ANN - Arab News Network				8202	161	84 A	
		BBC World			Viaccess	8204	163	92 E	
		BET International				8208	167	108 E	
		CNN International Europe			Viaccess Irdeto	8209	168	112 E	
		EuroNews				8211	2221	2231 F 2232 E 2233 G 2234 I 2235 Sp 2236 P 2237 E	wide A Amin 010510
		JSTV - Japan Satellite TV			Viaccess	8213	2000	2001 J 2002 E	
		JSTV promo			Viaccess Cryptoworks	8214	2011	2013 J 2014 E	
		MBC FM				8201		81 A	
		CNN Radio				8209		113 E	
		WRN EuroMix				8215		2101	
		WRN EuroMax English				8216		2103 E	
		WRN EuroMax Deutsch				8217		2105 G	
		WRN EuroMax Français				8218		2107 F	
		Radio Voyager				8220		2111 E	
		The Overcomer				8221		2113 E	

		⑩ Radio Popolare	A		4235	255 I			
		⑩ DiscoRadio	A		4236	256 I			
		⑩ Radio Life Gate			4237	257			
		⑩ TR Buonconsiglio			4238	401 I			
		⑩ Radio Radio	A	+	4239	402 I			
		⑩ Radio Donna	A		4240	403 I			
		⑩ Radio Eurospin			4241	404 I			
		⑩ Radio Speranza			4242	405 I			
		⑩ Kanal Melodia	A	+	4243	406 R			
		⑩ Padre Pio			4244	407 I			
		⑩ Radio Energy			4245	408			
		⑩ Radio Kolbe Sat			4246	409			
12692 H tp 99		AB Sat	A	DIG	MPEG-2 Viaccess Mediaguard	27500 - 3/4	318-9900	wide	W Zaremba 010206
12713 V tp 100		Stream	A	DIG	MPEG-2 Irdeto Videoguard	27500 - 3/4	64511-10000	super	W Zaremba 010417
12731 H tp 101		Stream	A	DIG	MPEG-2 Irdeto Videoguard	27500 - 3/4	64511-10100	super	D de Jong 010424
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Colour codes on this satellite chart: analog, clear analog, encrypted B/D/D2-MAC digital, clear digital, encrypted interactive feeds

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Exhibit 7
Listing of Other Satellites With European Coverage



SatcoDX Coverage Image

SES001KU

Sat-City
ADS**FAGOR**

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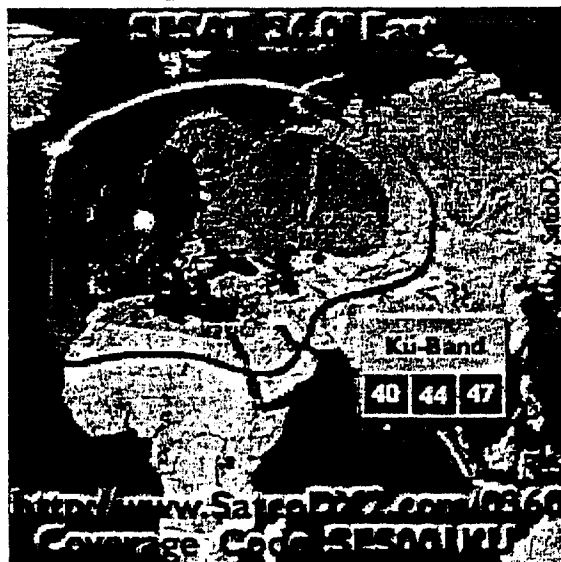
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Lyngemark Satellite Chart

Eutelsat Sesat at 36.0°E

Eutelsat Sesat © Lyngemark Satellite, last updated 2001-05-14 - http://www.lyngsat.com/sesat.shtml						
Freq. Tp	Provider Name Channel Name	Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated
10958 H tp B1	(feeds)	MPEG-2	6110 - 3/4		Europe	J Fuller 010207
10959 V tp B2	(feeds)	MPEG-2	5632 - 3/4		Europe	J Fuller 001015
10966 H tp B1	(feeds)	MPEG-2	6110 - 3/4		Europe	K Gilmour 010204
10970 V tp B2	(feeds)	MPEG-2	5632 - 3/4		Europe	Fabrizio 010513
10976 H tp B1	(feeds)	MPEG-2	5632 - 3/4		Europe	DX-Ampy 000710
10985 H tp B1	(feeds)	MPEG-2	5632 - 3/4		Europe	DX-Ampy 000710
10994 H tp B1	(feeds)	MPEG-2	5632 - 3/4		Europe	DX-Ampy 000710
10994 V tp B2	(feeds)	MPEG-2	6283 - 7/8		Europe	K Gilmour 010203
11003 H tp B1	(feeds)	MPEG-2	6283 - 7/8		Europe	W Zaremba 010125
11005 V tp B2	(feeds)	MPEG-2	5632 - 3/4		Europe	W Zaremba 000609
11012 H tp B1	(feeds)	MPEG-2	6283 - 7/8		Europe	W Zaremba 010125
11013 V tp B2	(feeds)	MPEG-2	5632 - 3/4		Europe	J Fuller 010128
11021 H tp B1	(feeds)	MPEG-2	6283 - 7/8		Europe	W Zaremba 010125
11021 V tp B2	(feeds)	MPEG-2	5632 - 3/4		Europe	K Gilmour 010202
11043 H tp B3	(feeds)	MPEG-2	6110 - 3/4		Europe	DX-Ampy 010226
11043 V tp B4	(feeds)	MPEG-2	6110 - 3/4		Europe	DX-Ampy 010513
11052 V tp B4	(feeds)	MPEG-2	6110 - 3/4		Europe	DX-Ampy 010513
11053 H tp B3	(feeds)	MPEG-2	5632 - 3/4		Europe	DX-Ampy 001130
11061 V tp B4	(feeds)	MPEG-2	6110 - 3/4		Europe	DX-Ampy 010513
11068 V tp B4	(feeds)	MPEG-2	6666 - 7/8		Europe	DX-Ampy 010428
11070 H tp B3	(feeds)	MPEG-2	6110 - 3/4		Europe	M Karafiat 010324
11079 H						J Maurer

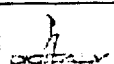
tp B3	(feeds)	MPEG-2	6110 - 3/4	Europe	010129
11089 H tp B3	(feeds)	MPEG-2	13333 - 7/8	Europe	W Zaremba 001019
11097 H tp B3	(feeds)	MPEG-2	6110 - 3/4	Europe	U Maurer 010129
11107 H tp B3	(feeds)	MPEG-2	5632 - 3/4	Europe	U Maurer 000721
11126 V tp B4	(feeds)	MPEG-2	6666 - 7/8	Europe	DX-Ampy 010421
11135 V tp B4	(feeds)	MPEG-2	6666 - 7/8	Europe	DX-Ampy 010422
11145 V tp B4	(feeds)	MPEG-2	6666 - 7/8	Europe	DX-Ampy 010422
11154 V tp B4	(feeds)	MPEG-2	5632 - 3/4	Europe	DX-Ampy 010421
11162 V tp B4	(feeds)	MPEG-2	6666 - 7/8	Europe	DX-Ampy 010427
11171 V tp B4	(feeds)	MPEG-2	6110 - 3/4	Europe	DX-Ampy 010428
11180 V tp B4	(feeds)	MPEG-2	6110 - 3/4	Europe	DX-Ampy 010428
11189 V tp B4	(feeds)	MPEG-2	6110 - 3/4	Europe	DX-Ampy 010428

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Freq. Tp	Provider Name Channel Name	Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated	
11627 V tp G6	@ Vsatnet.com AG	A MPEG-2	6009 - 3/4 1	0-0	Europe	A Voigt 000608	
11661 V tp G6	(feeds)	MPEG-2	6110 - 3/4		Europe	W Zaremba 000927	
11679 V tp G6	(feeds)	MPEG-2	6110 - 3/4		Europe	J Fuller 000925	
11687 V tp G6	(feeds)	MPEG-2	6110 - 3/4		Europe	J Fuller 001004	

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Freq. Tp	Provider Name Channel Name	Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated	
12512 H tp F1	 Sitcom World	A	MPEG-2	14463 - 3/4	126-3873	Europe	S Gungor 010510
	Marco Polo	A		7001 200	201 I 202 G		
	Alice	A		7720 160	161 I 162 G 163 Tu		
	Nuvolari	A		7721 176	177 I		
	Leonardo	A		7722 208	209 I 210 G 211 Tu		
	Espresso promo	A		7723 192	193 I		
12530 V tp F2	[test card]		MPEG-2	2100 - 3/4 1 - 128	1-1 129	Europe	W Zaremba 001201
12561 V tp F2	 Georgian TV	A	MPEG-2	3254 - 2/3 1 - 308	0-1 256 Ge	Europe	U Maurer 000608
	Radio Georgia			1	257 Ge		
12597 V tp F4	(feeds)		MPEG-2	5632 - 3/4		Europe	DX-Ampy 010513

12603 H tp F3							Europe	F Rotsikas 001209
12607 V tp F4		(feeds)		MPEG-2	27500 - 3/4		Europe	DX-Ampy 010415
12648 V tp F4		(feeds)		MPEG-2	15000 - 3/4		Europe	DX-Ampy 010415
12656 H tp F3		Anem		MPEG-2	2963 - 3/4 1 - 4194	0-176 4195 Se	Europe	P Gauduin 010304
		Ⓢ B2-92			1	4197 Se		
12677 V tp H6							Europe	W Zaremba 001025
12683 H tp F5		Studio Europa		MPEG-2	2498 - 2/3 1 - 900	19000-1 901 I	Europe	H Sklenka 000609
12685 V tp H6							Europe	L Stouten 001005
12686 H tp F5		NTA - National TV of Armenia		MPEG-2	3254 - 2/3 - - 255	0-0 256 Ar	Europe	R Petzold 000608
		Ⓢ Armenia Radio			1	256 Ar		
12689 V tp H6		KurdSat		MPEG-2	3254 - 2/3 1 - 33	65535-1 34 Ku	Europe	F Rotsikas 001127
12692 V tp H6		TRT International		MPEG-2	3028 - 3/4 1 - 4194	1-176 4195	Europe	U Maurer 010411
		Ⓢ TRT FM			1	4197		
		Ⓢ Voice of Turkey General Service			1	4198 Tu		
		Ⓢ Voice of Turkey Foreign Service			1	4198		
12694 H tp F5		Digitally		MPEG-2	2498 - 2/3 1 - 910	19000-1 911 I	Europe	W Zaremba 000622
12699 H tp F5							Europe	I Stehlik 010310
12702 H tp F5		CFN/CNBC Italia		MPEG-2	3410 - 2/3 1 - 940	1-1 941 I	Europe	D de Jong 010509
12705 V tp H6		Videolina		MPEG-2	3254 - 1/2 1 - 4194	4369-999 4195 I	Europe	L Stouten 001005
12707 H tp F5		TBN Italy		MPEG-2	2168 - 3/4 14 - 225	318-9000 228 I	Europe	W Zaremba 010423
12710 V tp H6		BK 063 Sat		MPEG-2	3002 - 2/3 1 - 4194	318-176 4195 Se	Europe	F Rotsikas 001223
12720 V tp H6							Europe	U Maurer 001214

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Colour codes on this satellite chart: analog, clear analog, encrypted B/D/D2-MAC digital, clear digital, encrypted interactive feeds

TV	clear	enc.
analog	0	0
digital	16	1

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Lyngemark Satellite Chart

Kopernikus 3 at 23.5°E

Kopernikus 3 © Lyngemark Satellite, last updated 2001-05-14 - http://www.lyngsat.com/k3.shtml								
Freq. Tp		Provider Name Channel Name		Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated
11466 H tp A1		Premiere World	A	MPEG-2 Betacrypt	27500 - 3/4	133-1	Germany	F Rotsikas 010304
		Planet	A	Betacrypt	13 1100	1104 G		
		Seasons	A	Betacrypt	33 1040	1044 G		
		The Disney Channel Germany	A	Betacrypt	34 1030	1034 G		
		Studio Universal	A	Betacrypt	36 1050	1054 G		
		e Blockmaster		MPEG-2	2562			
11534 V tp B1		(DBP feeds) (1)		MPEG-2	6110 - 3/4		Germany	DX-Ampy 010331
11546 V tp B1		(DBP feeds) (2)		MPEG-2	6110 - 3/4		Germany	DX-Ampy 001119
11558 V tp B1		(DBP feeds) (3)		MPEG-2	6110 - 3/4		Germany	DX-Ampy 001129
11569 V tp B1		(DBP feeds) (4)		MPEG-2	6110 - 3/4		Germany	DX-Ampy 001215
11581 V tp B2		(DBP feeds) (1)		MPEG-2	6110 - 3/4		Germany	DX-Ampy 001119
11592 V tp B2		(DBP feeds) (2)		MPEG-2	6110 - 3/4		Germany	DX-Ampy 001119
11603 V tp B1		(DBP feeds) (3)		MPEG-2	6110 - 3/4		Germany	DX-Ampy 010331
11614 V tp B2		(DBP feeds) (4)		MPEG-2	6110 - 3/4		Germany	DX-Ampy 010331
11646 H tp C		VisionGlobe	A DIG	MPEG-2 Betacrypt	27500 - 3/4	61441-10001	Germany	R Eckendorff 000724
11681 H tp C2		VisionGlobe	A DIG	MPEG-2 Betacrypt	27500 - 3/4	61441-10003	Germany	T Boeven 001024
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Freq. Tp		Provider Name Channel Name		Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated
12541 V tp K1		Feratel Wetterstation	A	MPEG-2	2168 - 7/8 1 - 512	177-176 4112	Germany	N Schlammer 001206
12607 H tp K4		(feeds) (1)		MPEG-2	5632 - 3/4		Germany	DX-Ampy 000619
12616 H tp K4		(feeds) (2)		MPEG-2	5632 - 3/4		Germany	DX-Ampy 000622
12624 H tp K4		(feeds) (3)		MPEG-2	6110 - 3/4		Germany	DX-Ampy 001130
12633 H								DX-Ampy

tp K4		(feeds) (4)		MPEG-2	6110 - 3/4		Germany	001119
12642 H tp K4		(feeds) (5)		MPEG-2	5498 - 5/6		Germany	DX-Ampy 000830
12658 V tp K5		VisionSelect	A	MPEG-2 Betacrypt	27500 - 3/4	61441-10002	Germany	W Zaremba 010306
		[MediaVision info card]			5004	2254		
		Extreme Sports Channel	A	Betacrypt	50700	801 802 G		
		Bloomberg TV Deutschland	A	Betacrypt	50701	811 812 G		
		Fashion TV	A	Betacrypt	50702	821 822		
		The Landscape Channel	A	Betacrypt	50703	831 832		
		BET International	A	Betacrypt	50704	841 842 E		
		Via 1	A		50705	611 612 G		
		Single TV	A	Betacrypt	50706	621 622 G		
		[Via 1 info card]			50710	513 G		
		Einstein Channel	A	Betacrypt	50719	623 624 G		
12677 V tp K5							Germany	DX-Ampy 010113
12692 H tp K6		(feeds)		PAL			Germany	DX-Ampy 000617
Kopernikus 3 © Lyngemark Satellite, last updated 2001-05-14 - http://www.lyngsat.com/k3.shtml								

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TV	clear	enc.
analog	0	0
digital	4	19

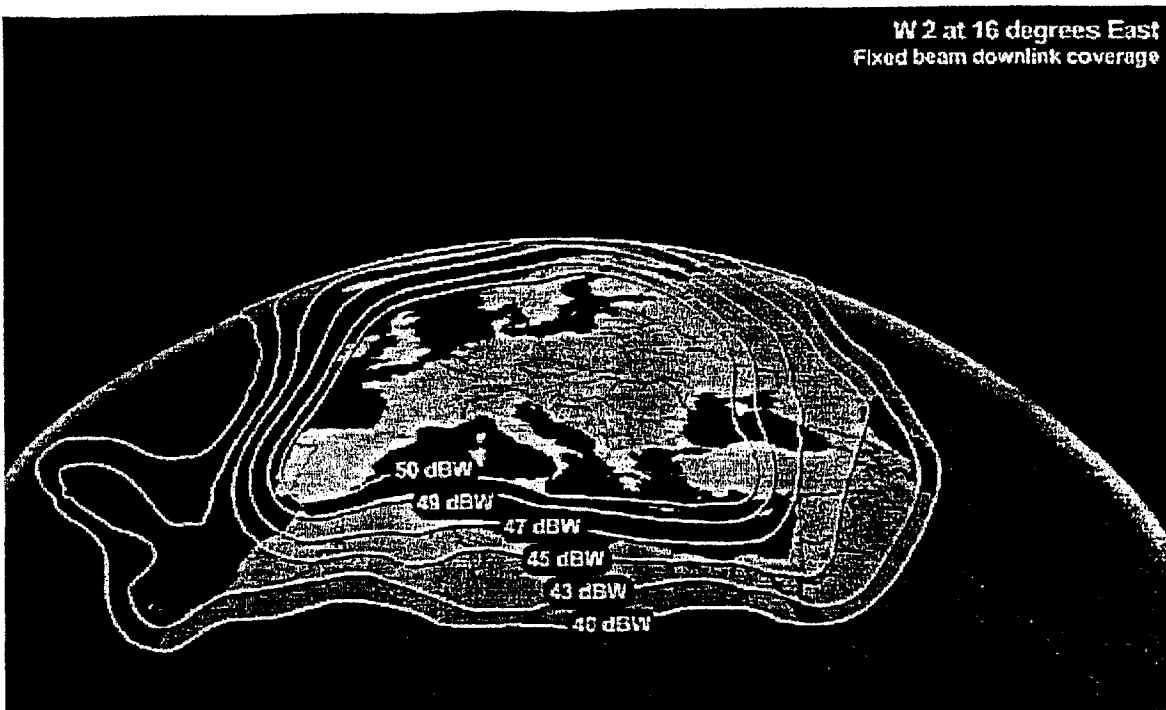
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Lyngemark Satellite Chart

Eutelsat W2 at 16.0°E

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Freq. Tp		Provider Name Channel Name		Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated
10957 H tp B1		(Sitcom feeds)		MPEG-2	2820 - 3/4		Europe	K Gilmour 010406
10961 H tp B1		(Sitcom feeds)		MPEG-2	2820 - 3/4		Europe	M Bendinelli 010318
10966 H tp B1		(Telespazio/Mediaset feeds)		MPEG-2	5632 - 3/4		Europe	A Saydam 000902
10972 V tp B2		RTM 1	A	PAL		6.60 A	Europe	B Sundberg 981119
		RTM Arabic				7.02 A		
		Radio Rabat				7.38		
		RTM Berber				7.56 Ber		
10978 H tp B1		(Telespazio feeds)		MPEG-2	5632 - 3/4		Europe	A Saydam 000902
10989 H tp B1		(Telespazio feeds)		MPEG-2	6398 - 3/4		Europe	A Cardoso 000113
10993 V tp B2		(feeds)		MPEG-2	6854 - 7/8		Europe	K Gilmour 000604
10997 H tp B1		(Telespazio feeds)		MPEG-2	5632 - 3/4		Europe	A Saydam 000902
11005 H tp B1		(Telespazio feeds)		MPEG-2	5632 - 3/4		Europe	K Gilmour 000803
11010 V tp B2		(RTM 1 feeds)		MPEG-2	2000 - 3/4		Europe	DX-Ampy 010505
11013 H tp B1		(NTL feeds)		MPEG-2	5632 - 3/4		Europe	A Cardoso 991129
11021 H tp B1		(NTL feeds)		MPEG-2	5632 - 3/4		Europe	W Zarembo 010322
11043 H tp B3		TMF Vlaanderen	A T	MPEG-2	4338 - 3/4 1 - 3.	177-176 34 Du	Europe	I Stehlik 010504
11044 V tp B4		(KPN Broadcast feeds) (1)		MPEG-2	6110 - 3/4		Europe	L Lamonica 990927
11052 V tp B4		(KPN Broadcast feeds) (2)		MPEG-2	5632 - 3/4		Europe	E van Dijk 990716
11062 V tp B4		(GlobeCast feeds) (3)		MPEG-2	5700 - 3/4		Europe	A Cardoso 010510
11066 H tp B3							Europe	D de Jong 001126
11072 H tp B3		(KPN Broadcast feeds) (1)		MPEG-2	6110 - 3/4		Europe	A Cardoso 000523
11084 H tp B3		TMC	A	MPEG-2	11310 - 5/6	65535-1	Europe	W Bunezki 010507
		TMC	A T		1 308	256 I		

		MTV Italia TMC 2	A		2	33	34 I		
		[Elpitel test card]			3	3601	3604		
11095 V tp B4		TV d'Algérie	A	PAL			6.60 A	Europe	Massinisa 990418
		Ⓢ Chaîne 1	A				7.02 A		
		Ⓢ Chaîne 2	A				7.20		
		Ⓢ Chaîne 3	A				7.38 F		
		Ⓢ Chaîne Thematique El Bahdja	A				7.56 F		
11099 H tp B3		(TVN feeds)		MPEG-2	5926 - 3/4			Europe	M Hoover 990607
11108 H tp B3		(TVN feeds)		MPEG-2	5926 - 3/4			Europe	W Zaremba 010203
11126 H tp B5		(BT feeds) (2)		MPEG-2	5632 - 3/4			Europe	A Cardoso 010510
11127 V tp B6		(Belgacom feeds) (1)		MPEG-2	5632 - 3/4			Europe	K Gilmour 000116
11134 H tp B5		(BT feeds) (3)		MPEG-2	6110 - 3/4			Europe	L Lamonica 990920
11136 V tp B6		University of Plymouth TV (Mon-Fri daytime)	A	MPEG-2	3125 - 3/4 1 - 308		0-1 256 E	Europe	K Gilmour 000609
11142 H tp B5		(BT feeds) (4)		MPEG-2	5632 - 3/4			Europe	F Rotsikas 990906
11142 V tp B6		(Belgacom feeds)		MPEG-2	5632 - 3/4			Europe	B Prince 000305
11148 V tp B6		BHT Sat (Mon-Sat 19-23 & Sun 15-23)	A	PAL			6.60 Bo	Europe	D Kernick 010514
		Ⓢ BiH Radio 1					7.02 Bo		
11154 V tp B6		(feeds) (3)		MPEG-2	5632 - 3/4			Europe	A Cardoso 010316
11163 H tp B5		Al Mustakillah TV (Sun 14-16)		PAL			6.60	Europe	K Gilmour 010408
		Kurdistan TV (17-23)	A	PAL			6.60 A		
11178 V tp B6		CNA - Chaîne Nord Afrique (Wed 17- 18)		PAL			6.60 A 7.20	Europe	R Thakre 010406
		Good News (Fri 18.00-18.30)		PAL			6.60 A		
		Sat 7 (18.30-20.30)	A	PAL			6.60 A 7.20		
		Miracle (Fri 16-18 & Sat-Wed 17-18)	A	PAL			6.60 A 7.20 E		
11184 V tp B6		(feeds)		MPEG-2	10000 - 3/4			Europe	K Gilmour 010311
11188 H tp B5		(BT feeds)		MPEG-2	6700 - 3/4			Europe	K Gilmour 010406

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Freq. Tp		Provider Name Channel Name		Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated
11280 H tp C4							Europe	Martin 010223
		British Telecom	A	MPEG-2	30000 - 3/4	366-40500		
		(feeds)		PowerVu	2600	2601		

11304 V tp C5		(BT feeds)		302	513	660	Europe	W Zaremba 010410
		(BT feeds)		303	2562	2563		
		(feeds)		304	2565	2566		
		(TWI feeds)		305	2568	2569		
		(TWI feeds)	PowerVu	306	2571	2572		
		Royal Bank of Scotland TV	PowerVu	307	2574	2575		
		Georgian TV	A	308	2305	2306		
		(feeds)		310	2595	2596		
		Radio Georgia		308		2307		
11431 V tp C11		RTK 1 (18-22)		PAL		6.60 A 7.20	Europe	Martin 010223
11446 H tp C12		JSC - Al Jazeera Satellite Channel	A	PAL		6.60 A 7.56	Europe	F Rotsikas 990127
		Qatar Radio				7.02/7.74 A		

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Freq. Tp		Provider Name Channel Name		Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated
11474 V tp D1		Nile TV International	A	PAL		6.65 E/F	Europe	D Kernick 001031
		Al-Bernameg El-Thakafiy (Cultural Program (17-24 CET))				7.02 A		
11489 H tp D2		Parabol Réunion	A DIG	MPEG-2	29950 - 3/4		Madagascar	FR5GH 001006
11516 V tp D3		ESC 1	A	PAL		6.60 A	Europe	D Kernick 990903
		General Program				7.02 A		
		Soth Al-Arab (Voice of the Arabs)				7.20 A		
		Al-Shark Al-Awsat (Middle East Radio)				7.38 A		
		El Quran Karim				7.56 A		
11535 H tp D4		CanalSatellite Réunion	A DIG	MPEG-2 Mediaguard	29950 - 3/4		Madagascar	M van Baalen 010331
11554 V tp D5		Jamahiriya Satellite Channel		PAL		6.60 A	Europe	P de Vrieze 990201
		La Voix de l'Afrique				7.20 A		
11572 H tp D6		Syria Satellite Channel	A	PAL		6.65 A	Europe	D Kernick 990622
		Syrian Radio				7.20 A		
		Voice of the People				7.56		
11599 V tp D7		TV 7 (Tunisia)	A T	PAL		6.60 A	Europe	J Pulg 981119
		Radio Tunis International	A			7.02		
		Radio Tunis National	A			7.20 F		
11617 H tp D8		Parabol Réunion	A DIG	MPEG-2 Viaccess	29500 - 3/4		Madagascar	M van Baalen 010425
11658 H tp D10		CanalSatellite Réunion	A DIG	MPEG-2 Mediaguard	29950 - 3/4		Madagascar	T Martel 001004
11689 V tp D9		Al Mustakillah TV (18-01)		MPEG-2	3100 - 3/4 512	640 A	Europe	A Ergin 010510

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Freq. Tp		Provider Name Channel Name		Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated
12509 H tp F1		(Enex feeds) (A)		MPEG-2	5632 - 3/4		Europe	D Shimoni 981120
12517 H tp F1		(Enex feeds) (B)		MPEG-2	5632 - 3/4		Europe	L Stouten 981119
12520 V tp F2		Feratel Wetterstation	A	MPEG-2	2170 - 3/4 1 - 308	0-1	Europe	W Zaremba 010313
12524 H tp F1		(Enex feeds) (C)		MPEG-2	5632 - 3/4		Europe	D Shimoni 981120
12532 H tp F1		(Enex feeds) (D)		MPEG-2	5632 - 3/4		Europe	L Stouten 981119
12535 V tp F2		(Belgacom feeds)		MPEG-2	6110 - 3/4		Europe	A Cardoso 000523
12540 H tp F1		(Enex feeds) (E)		MPEG-2	5632 - 3/4		Europe	Anonymous 981121
12545 V tp F2		(EbS feeds)		MPEG-2	6428 - 3/4		Europe	K Gilmour 000518
12547 H tp F1		(Enex feeds) (F)		MPEG-2	5632 - 3/4		Europe	Anonymous 981121
12554 V tp F2		(feeds)		MPEG-2	5632 - 3/4		Europe	F Rotsikas 001201
12555 H tp F1		(Enex feeds) (G)		MPEG-2	5632 - 3/4		Europe	Anonymous 981121
12562 H tp F1		(Enex feeds) (H)		MPEG-2	5632 - 3/4		Europe	Anonymous 981121
12568 H tp F1		SIC Internacional (16-24)	A	MPEG-2	2894 - 3/4 1 - 308	0-1 256 P	Europe	P Gauduin 010510
12608 H tp F3		SNAI Sat	A	MPEG-2	27500 - 3/4	1-1	Europe	W Zaremba 010508
		SNAI Sat Channel 1	A	PowerVu	1 1160	1120 I		
		SNAI Sat Channel 2	A	PowerVu	2 1260	1220 I		
		SNAI Sat	A		4 1460	1420 I		
		Cinquestelle	A		5 1760	1720 I		
		Rete Capri			8 1860	1820 I		
		(CRAI feeds)			9 1560	1520		
		Italia 9 Network	A		10 1360	1320 I		
		(CRAI feeds)			11 1660	1620		
		© Bum Bum Network			8	1822 I		
12617 V tp F4		(feeds)		MPEG-2	3002 - 2/3		Europe	W Zaremba 010117
12635 H tp F3		(CRAI feeds)		MPEG-2	5632 - 3/4		Europe	K Gilmour 000526
12643 V tp F4		(feeds)		MPEG-2	5632 - 3/4		Europe	K Gilmour 000502
12652 H tp F3		(Italian feeds)		MPEG-2	11264 - 3/4		Europe	H Skienka 000518
12676 V tp F6		Ajara TV	A	MPEG-2	4340 - 3/4 1 - 33	1-1 34 Ge	Europe	R Hable 000516
12684 V tp F6		(feeds)		MPEG-2	4954 - 1/2		Europe	W Zaremba 010420
12703 V tp F6		TeleGenova Sat	A	MPEG-2	5925 - 3/4	65535-2	Europe	W Bunezki 010319
		TeleGenova Sat	A		1 35	36 I		
		Home Shopping Europe Italia	A		2 33	34 I		
		© Radio Babboleo	A		1	37 I		

12714 V tp F6	TV Romania mux		MPEG-2	9913 - 3/4	1-1	Europe	N Ghita 010409	
	Romania 1	A		1	1160			1120 Ro
	TVR 2	A		2	1260			1220 Ro
	TV Romania International	A		3	1360			1320 Ro
	Ⓢ Radio România Actualitati			4				1321 Ro
	Ⓢ Radio Romania International Open Radio	A		5				1322 Ro
12729 H tp F5	PI6ALK	A	MPEG-2	2000 - 3/4 1 - 4130	0-0 4131	Europe	J Saarnen 001229	
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Colour codes on this satellite chart: analog, clear analog, encrypted B/D/D2-MAC digital, clear digital, encrypted interactive feeds

TV	clear	enc.
analog	16	0
digital	28	43

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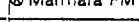
Eutelsat W1 at 10.0°E

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Freq. Tp		Provider Name Channel Name		Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated
10957 H tp B1		(feeds)		MPEG-2	3100 - 7/8		Europe	W Zaremba 010508
10960 V tp B2		(feeds) (1)		MPEG-2	5632 - 3/4		Europe	L Stouten 001016
10966 H tp B1		(feeds)		MPEG-2	3100 - 7/8		Europe	W Zaremba 010208
10969 V tp B2		(feeds) (2)		MPEG-2	6110 - 3/4		Europe	R Hable 001016
10978 V tp B2		(feeds) (3)		MPEG-2	5632 - 3/4		Europe	J Fuller 001016
10987 H tp B1		NTV (Turkey)	A T	PAL		6.65/8.20 Tu	Europe	F Kocsis 001219
		NTV Radyo				7.02/7.20 Tu		
10987 V tp B2		(feeds)		MPEG-2	5632 - 3/4		Europe	R Hable 001016
10996 V tp B2		(feeds) (4)		MPEG-2	5632 - 3/4		Europe	U Maurer 001016
11003 H tp B1		(NTV feeds)		MPEG-2	3100 - 7/8		Europe	W Zaremba 001207
11004 V tp B2		(feeds) (5)		MPEG-2	5632 - 3/4		Europe	R Hable 001016
11008 H tp B1		(NTV feeds)		MPEG-2	3100 - 7/8		Europe	W Zaremba 001207
11014 V tp B2		ATV - Austria TV	A	MPEG-2 PowerVu	5624 - 3/4 1 - 1110	1-0 1211 G	Europe	S Gungor 010510
11015 H tp B1		CNBC-E	A T	MPEG-2	4268 - 3/4 1 - 308	0-1 256 Tu	Europe	Z Clinin 010423
		NTV Radyo				257		
11019 H tp B1		Pop TV		MPEG-2	2170 - 7/8 1 - 308	0-1 256 Tu	Europe	W Zaremba 010411
		Radyo Eksen				1 257 Tu		
11024 H tp B1		Olay TV		MPEG-2	3055 - 7/8 1 - 33	0-0 34 Tu	Europe	B Wall 001015
		Olay FM				1 35 Tu		
11024 V tp B2		Antena 1 (Romania)	A	MPEG-2 PowerVu	5632 - 3/4 1 - 1110	309-0 1211 Ro	Europe	W Zvi 010507
		Radio Romantic				1 1213 Ro		
11044 H tp B3		EBU Channel SEU1	A	MPEG-2 4:2:2	6666 - 7/8		Europe	R Hable 001017
11045 V								W Zaremba

tp B4		(IHA feeds)		MPEG-2	3123 - 5/6		Europe	001016
11050 V tp B4		(TGRT feeds)		MPEG-2	2918 - 5/6		Europe	W Zaremba 010509
11052 H tp B3		EBU Channel SEU2	A	MPEG-2 4:2:2	6666 - 7/8		Europe	R Hable 001017
11054 V tp B4		TGRT	A	MPEG-2	4375 - 5/6 1 - 308	0-1 256 Tu	Europe	DX-Ampy 010506
		Ⓢ TGRT FM	A			257 Tu		
11061 V tp B4		(IHLAS feeds)		MPEG-2	6600 - 3/4		Europe	D Shimoni 001016
11062 H tp B3		EBU Channel SEV1	A	MPEG-2 4:2:2	6666 - 7/8		Europe	R Hable 001016
11070 H tp B3		EBU Channel SEV2	A	MPEG-2 4:2:2	4991 - 3/4		Europe	Eddy 010402
11080 H tp B3		(feeds) (2)		MPEG-2	5632 - 3/4		Europe	W Zaremba 010109
11088 H tp B3		(feeds) (3)		MPEG-2	5632 - 3/4		Europe	A Cardoso 001106
11095 V tp B4		TGRT	A T	PAL		6.65 Tu	Europe	B Wall 001015
		Ⓢ TGRT FM	A			7.20:7.38 Tu		
		Ⓢ Moral FM				7.74 Tu		
11098 H tp B3		(feeds) (4)		MPEG-2	5632 - 3/4		Europe	R Hable 001016
11106 H tp B3		Kanal 7	A	MPEG-2	6511 - 2/3 1 - 33	255-0 34 Tu	Europe	Ü Günes 010116
11128 H tp B5		(Satlink feeds)		MPEG-2	5632 - 3/4		Europe	U Maurer 001016
11130 V tp B6		Star Digital	A	MPEG-2	7800 - 5/6	73-3	Europe	F Rotsikas 010421
		Star 1 (06-24)	A		38 4608	4609 Tu		
		Star 3 (06-24)			39 4624	.625 Tu		
11135 H tp B5		(feeds)		MPEG-2	5632 - 3/4		Europe	Irk 010208
11141 H tp B5		Neuapostolische Kirche (Sun 10-12)	A	MPEG-2	5273 - 3/4 1 - 33	65535-1 34 G	Europe	Fabrizio 010514
11144 V tp B6		(feeds)		MPEG-2	5632 - 3/4		Europe	J Fuller 001130
11145 H tp B5		(GlobeCast feeds)		MPEG-2	6110 - 3/4		Europe	A Cardoso 001106
11153 V tp B6		(Star feeds)		MPEG-2	3053 - 3/4		Europe	W Zaremba 010414
11154 H tp B5		Neuapostolische Kirche (Sun 10-12)	A	MPEG-2 4:2:2	7911 - 1/2 1 - 1000	32-21 1001 G	Europe	Fabrizio 010514
11163 H tp B5		ETM - EuroTransMed (Tue 13-15)	A	PAL Nagravision		6.60 E	Europe	J Tadic 010417
		Voice of America (18.00-19.30 & 23-24)	A	PAL		6.60		
		TV L Sat (Tue & Thu 20-21)		PAL		6.60 Se		
		JV - Juzni Vetar (Thu 21-23 & Sun 17-20)	A	PAL		6.60 Se 7.20		
		Hakk TV (Sun 20-22)	A	PAL		6.60 Tu 7.20		

		Herbalife Europe (Mon & Wed & Fri 20-21)		PAL	6.50 E 7.02 G 7.20 F 7.38 I 7.56 Sp 7.74 R 7.92 Po 8.10 Cz		
11178 V tp B6		Star TV		PAL	6.65 Tu	Europe	A Amin 010414

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Freq. Tp		Provider Name Channel Name	Video Encryption	SR - FEC SID - VPID	NID - TID Audio	Beam	Source Updated
11473 H tp D1						Europe	
11473 H tp D1S						South Africa	
11473 V tp D2						Europe	
11473 V tp D2S						South Africa	
11540 H tp D3						Europe	
11540 H tp D3S						South Africa	
11540 V tp D4						Europe	
11540 V tp D4S						South Africa	
11581 V tp D6						Europe	Sezai 001127
11586 V tp D6		Ege TV		MPEG-2 2821 - 3/4 1 - 308	0-1 256 Tu	Europe	R Hable 001015
		Radyo Ege		1	257 Tu		
11591 V tp D6		CHA feeds	MPEG-2	4200 - 3/4		Europe	Sezai 001127
11598 V tp D6		(Exatel feeds)	MPEG-2	4000 - 3/4		Europe	A Cardoso 010321
11607 H tp D5						Europe	
11607 H tp D5S						South Africa	
11607 V tp D6S						South Africa	
11622 V tp D6		Samanyolu TV World		PAL	6.65 Tu	Europe	Ü Günes 010207
		Bürc FM			7.20 Tu		
		Dünya Radyo			7.38 Tu		
		Akra FM			7.74 Tu		
		Marmara FM			7.92 Tu		
11669 H tp D7						Europe	
11669 H tp D7S						South Africa	
11669 V tp D8						Europe	
11669 V						South	