

*Superwide = HOT BIRD 1  
Wide = HOT BIRD 2-5  
Super = HOT BIRD 2-5*

<i>Tx</i>	<i>Freq</i>	<i>Pol</i>	<i>Beam</i>	<i>Channel</i>	<i>Analogue</i>	<i>Audio MHz</i>	<i>Text</i>	<i>Access</i>	<i>Lang.</i>	<i>Hrs</i>
	<i>(GHz)</i>				<i>Digital</i>	<i>FEC</i>	<i>MSy/s</i>			
<b>HOT BIRD™ (13° EAST)</b>										
D 110	10.719	V W		<u>CYFRA+</u> DISCOVERY CHANNEL POLAND,EUROSPORT POLSKA,PLANETE,RTL 7,SEASONS,TV POLONIA (CLEAR),TVN,VIVA POLSKA (CLEAR),	DVB	3/4	27.5	MEDIAGUARD	POLISH	24
D 111	10.723	H W		<u>BT DIGITAL PLATFORM</u> 10.722H,CINENOVA (CRYPTOWORKS),DEEPAM TV,EWTN Europe,FOX KIDS RUSSIA,FOX SPORTS EUROPE,MTA INTERNATIONAL,NEWS LYNX,	DVB	3/4	29.9	CLEAR	MULTI	24
D 112	10.758	V S		<u>TPS</u> CINESTAR 1,CINESTAR 2,CINETOILE,CLUB TELE ACHAT,FUN TV,M6 MUSIC,SERIE CLUB,SHOPPING AVENUE (VIACCESS),TEVA,	DVB	3/4	27.5	VIACCESS/MEDI	FRENCH	24
D 113	10.775	H W		<u>AFN</u> AFN AMERICA,AFN EUROPE,AFN KOREA,CPN- CENTRAL PACIFIC NETWORK,NEWSPORTS,SPECTRUM,	DVB	3/4	28	PowerVu	ENGLISH	24
D 114	10.796	V W		<u>TPS</u> FESTIVAL,HISTOIRE,INFOSPORT,MEZZO,ODYSS EE,REGIONS,TELETOON,TV5 (MEDIAGUARD),	DVB	2/3	27.5	VIACCESS	FRENCH	24
A 115	10.815	H W		DUNA TELEVISION	PAL	0,7.02,7.20,6.60,	Y		HUNGARIAN	17
D 116	10.834	V S		<u>TPS</u> CREDIT AGRICOLE (CLEAR),EUROSPORT,FRANCE 2,FRANCE 3,ITV,LCI LA CHAINE INFO,	DVB	2/3	27.5	VIACCESS	FRENCH	24
A 117	10.853	H W		CTV	PAL	6.60,			KURDISH	2
A 117	10.853	H W		MESOPOTAMIA TV	PAL	6.60,			MULTI	24
A 117	10.853	H W		MEDYA TV	PAL	6.60,			KURDISH	12
D 118	10.873	V S		<u>TPS</u> BBC PRIME,EQUIDIA,LA CHAINE PARLEMENTAIRE,RTL 9,RTM,SIC,TV BREIZH,TV7,	DVB	3/4	27.5	VIACCESS	FRENCH	24
D 119	10.892	H W		<u>CYFRA+</u> ALE KINO,CANAL+,CANAL+ NIEBIESKI,CANAL+ ZOLTY,GAME ONE,MINIMAX,TMT (TROCHE MLODSZA TELEWISJA),TVP 1,TVP 2,	DVB	3/4	27.5	MEDIAGUARD	POLISH	24
D 120	10.911	V S		<u>TPS</u> CINEFAZ,MULTIVISION ACCUEIL (CLEAR),RFO SAT,TF1 PROMO (CLEAR),	DVB	3/4	27.5	VIACCESS	FRENCH	24
D 121	10.930	H S		<u>NOVA</u> ANIMAL PLANET,CNN INTERNATIONAL,NOVA CINEMA,SUPERSPORT EXTRA,TRAVEL,	DVB	3/4	27.5	IRDETO	GREEK	24
A 122	10.949	V W		ANN (ARABIC NEWS NETWORK)	PAL	7.02,6.60,			ARABIC	24
A 123	10.974	H W		TRT - INT AVRASYA	PAL	6.60,	Y		TURKISH	24
D 125	11.013	H W		TV5 EUROPE	DVB	2/3	20	CLEAR	FRENCH	
D 126	11.034	V S		<u>TPS</u> Algerian TV,ARTE,CANAL ALGERIE,LA CINQUIEME,M6,M6 16/9,TF1,TF1 16/9,	DVB	5/6	29.9	VIACCESS	FRENCH	
D 127	11.054	H W		<u>DEUTSCHE TELEKOM DIGITAL PLATF</u> CNN GERMANY (CRYPTOWORKS),K-TV,NBC EUROPE (Teletext),RTL,RTL 2 OSTERREICH,SAT 1,VOX,ZDF,	DVB	5/6	27.5	CLEAR	GERMAN	
D 128	11.061	V W		ARTE	DVB	3/4	6.511	CLEAR	FRENCH/GER	24
A 128	11.079	V W		LA CINQUIEME	PAL	7.38/7.56,6.60,7.02/7 .20,			FRENCH/GER	16
A 128	11.079	V W		ARTE	PAL	7.38:7.56,7.02:7.20,6 .60,			FRENCH/GER	8
D 129	11.096	H S		SPARKASSEN TV	DVB	3/4	27.5	CONAX	GERMAN	24
A 130	11.113	V W		BBC WORLD	PAL	6.60,7.02/7.20,	Y		ENGLISH	
D 131	11.130	H S		VIVA POLSKA	DVB	3/4	4.341	CLEAR	GERMAN	24
D 130	11.131	V W		BBC PRIME	DVB	3/4	5.632	VIACCESS	ENGLISH	24
A 131	11.148	H S		TVN	PAL	6.65,7.02,			POLISH	24
A 131	11.178	H S		VIVA ZWEI	PAL	6.65,7.02/7.20,	Y		GERMAN	

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	(GHz)				Digital	FEC	MSy/s			
D 132	11.196	V	W	DEUTSCHE WELLE TV	DVB	1/2	9.1	CLEAR	GERMAN	
D 1	11.205	H	SW	CANAL 24 HORAS	DVB	3/4	4	CLEAR	SPANISH	24
A 1	11.224	H	SW	TV ROMANTICA	PAL		Y		SPANISH	24
D 2	11.242	V	SW	<u>VIACOM</u> MTV EUROPE,MTV FRANCE,MTV ITALY,MTV NETHERLANDS,MTV SWITZERLAND,MTV2,VH-1 EXPORT,VH-1 GERMANY,	DVB	3/4	27.5	CRYPTOWORKS	MULTI	24
D 3	11.262	H	SW	CASTLE VIDEO	DVB	3/4	27.5	CLEAR		
D 4	11.283	V	SW	<u>CYFRA+</u> DISCOVERY CHANNEL CIVILISATION,DISCOVERY CHANNEL SCI- TREK,DISCOVERY TRAVEL AND ADVENTURE,	DVB	3/4	27.5	MEDIAGUARD	POLISH	
D 5	11.304	H	SW	<u>DISCOVERY</u> ANIMAL PLANET,ANIMAL PLANET RUSSIA,DISCOVERY CHANNEL RUSSIA,DISCOVERY CHANNEL EUROPE,DISCOVERY CHANNEL CIVILISATION,DISCOVERY CHANNEL ITALY,DISCOVERY CHANNEL POLAND,DISCOVERY CHANNEL SCI- TREK,DISCOVERY CHANNEL VLAANDEREN & NEDERLAND,DISCOVERY TRAVEL AND ADVENTURE,	DVB	3/4	27.5	PowerVu	MULTI	24
A 6	11.321	V	SW	TV5 EUROPE	PAL	6.60,	Y		FRENCH	24
D 6	11.339	V	SW	TV5 ASIA	DVB	3/4	5.632	CLEAR	FRENCH	24
A 7	11.348	H	SW	TV 4 (POLAND)	PAL	6.6, 7.02/7.20,	Y		POLISH	24
A 8	11.363	V	SW	RAI UNO	PAL	6.60,7.02/7.20,	Y		ITALIAN	24
D 9	11.371	H	SW	SISAL TV	DVB	3/4	4	PowerVu	ITALIAN	24
A 9	11.390	H	SW	EUROSPORT	PAL	7.38,7.74,6.65/7.2,7. 02/7.92,	Y		MULTI	18
A 10	11.405	V	SW	CANAL+ HORIZONS	PAL	7.02:7.20,6.60,			FRENCH	21
A 12	11.446	V	SW	RAI DUE	PAL	6.60,7.02/7.20,	Y		ITALIAN	24
D 13	11.457	H	SW	TVP REGIONALNA	DVB	3/4	5.632	ENCRYPTED	POLISH	
D 12	11.464	V	SW	RAI INTERNATIONAL	DVB	3/4	4.208	DMV	ITALIAN	24
A 13	11.474	H	SW	TV POLONIA	PAL	6.60,7.02/7.20,	Y		POLISH	19
A 14	11.489	V	SW	RTL 7	PAL	7.02/7.20,6.60,	Y		POLISH	24
A 15	11.516	H	SW	CANAL + BIALY	PAL	6.60,7.02/7.20,			POLISH	24
A 16	11.531	V	SW	RAI TRE	PAL	7.02/7.20,6.60,	Y		ITALIAN	24
A 153	11.562	H	W	TBN EUROPE	PAL	7.02/7.20,6.50,			ENGLISH	17
A 154	11.585	V	W	123sat	PAL					15
A 154	11.585	V	W	69 X TV	PAL	7.02/7.20,6.60,			MULTI	9
D 155	11.604	H	S	<u>SAT 1 SCHWEIZ</u> ARD,DEEJAY TV,KURDSAT,RTL 2 SCHWEIZ,RTL OSTERREICH,RTL SCHWEIZ,SUPER RTL OSTERREICH,VIVA POLSKA,	DVB	5/6	27.5	CLEAR	MULTI	24
D 156	11.623	V	W	<u>GLOBECAST</u> 102.5 HIT CHANNEL PROMO,3ABN,ANN (ARABIC NEWS NETWORK),CHANNEL SUN,CHANNEL X,MKTV Sat,OLISAT TV,TELEGENOVA SAT,TLC TV,TV ROMANIA INTERNATIONAL,ULTRA BLUE PROMO,	DVB	3/4	27.5	CLEAR	MULTI	
D 157	11.642	H	W	<u>BLOOMBERG</u> BLOOMBERG FRANCE,BLOOMBERG GERMANY (CLEAR),BLOOMBERG ITALY,BLOOMBERG SPAIN,BLOOMBERG UK (CLEAR),SAT 7 (CLEAR),	DVB	3/4	27.5	PowerVu	ENGLISH	
D 158	11.662	V	S	<u>TPS</u> MULTIVISION 1,MULTIVISION 2,MULTIVISION 3,MULTIVISION 4,MULTIVISION 5,MULTIVISION 6,MULTIVISION 7,	DVB	3/4	27.5	VIACCESS	FRENCH	24
D 159	11.681	H	W	<u>ABsat</u> AB1 (CLEAR),ACTION,ANIMAUX,CHASSE ET PECHE,ESCALES,LA CHAINE DE L'HISTOIRE,MOTEURS,MUSIQUE CLASSIQUE,RFM TV,XXL,	DVB	3/4	27.5	VIACCESS/MEDI	FRENCH	
A 50	11.727	V	W	RTP INTERNACIONAL	PAL	6.60,	Y		PORTUGUES	24
D 51	11.747	H	W	<u>EDTV</u> EDTV BUSINESS CHANNEL,EDTV (DUBAI),EDTV DRAMA,EDTV SPORTS CHANNEL,	DVB	3/4	27.5	CLEAR	ARABIC	24
D 52	11.766	V	W	<u>RAI</u> RAI DUE,RAI MOSAICO,RAI TRE,RAI UNO,	DVB	2/3	27.5	CLEAR	ITALIAN	24
A 53	11.785	H	W	CANAL 24 HORAS	PAL	6.60,			SPANISH	24
D 54	11.804	V	S	<u>RAI</u> CAMERA DEPUTATI,RAI EDUCATIONAL,RAI NETTUNO SAT DUE,RAI NETTUNO SAT UNO,RAI NEWS 24,RAI SPORT SAT,SAT 2000,TELEPACE,	DVB	2/3	27.5	CLEAR	ITALIAN	24
D 55	11.823	H	W	<u>NOVA (GREECE)</u> ALTER CHANNEL,ANT 1,FILMNET GREECE,KTV,MEGA TV (+ TELETEXT),STAR CHANNEL,SUPERSPORT,SUPERSPORT 2,TEMPO TV,	DVB	3/4	27.5	IRDETO	GREEK	24
D 56	11.843	V	S	<u>STREAM</u>	DVB	3/4	27.5	IRDETO/VIDEOD	MULTI	24

<i>Tx</i>	<i>Freq</i>	<i>Pol</i>	<i>Beam</i>	<i>Channel</i>	<i>Analogue</i>	<i>Audio MHz</i>	<i>Text</i>	<i>Access</i>	<i>Lang.</i>	<i>Hrs</i>
	(GHz)				Digital	FEC	MSy/s			
D 57	11.862	H S		CARTOON NETWORK,CULT,DISCOVERY CHANNEL,EUROSPORT,INTV PROMO (CLEAR),STUDIO UNIVERSAL,TVL, <u>D±</u>	DVB	3/4	27.5	IRDETO/MEDIAG	ITALIAN	24
D 58	11.881	V S		HAPPY CHANNEL,P7 (MEDIAGUARD),P8 (MEDIAGUARD),P9 (MEDIAGUARD), <u>STREAM</u>	DVB	3/4	27.5	IRDETO/VIDEOG	MULTI	24
D 59	11.900	H S		CANALE VIAGGI,CNN,MPPV,SNAI (CLEAR),STREAM CANALE INFO (CLEAR),STREAM NEWS (CLEAR), <u>D±</u>	DVB	3/4	27.5	IRDETO/MEDIAG	ITALIAN	24
D 60	11.919	V W		CANAL D+ (MEDIAGUARD),INTER CHANNEL,MILAN CHANNEL,MOSAICO D+ (CLEAR),MOSAICO D+ 2 (CLEAR), <u>MEDIASET</u>	DVB	2/3	27.5	CLEAR	ITALIAN	24
D 61	11.938	H S		CANALE 5,ITALIA UNO,RETE QUATTRO, <u>NTV RUSSIA</u>	DVB	3/4	27.5	VIACCESS	RUSSIAN	24
D 62	11.958	V S		EUROSPORT RUSSIA,NTV,NTV INTERNATIONAL,NTV PLUS,NTV+ DETSKIJ MIR,NTV+ NASHE KINO, <u>D±</u>	DVB	3/4	27.5	IRDETO/MEDIAG	ITALIAN	24
D 63	11.977	H S		DISCOVERY CHANNEL,DISNEY CHANNEL,EUROSPORT,HAPPY CHANNEL,MATCH MUSIC,MTV ITALY,RAISAT CINEMA,RAISAT SHOW, <u>STREAM</u>	DVB	3/4	27.5	IRDETO/VIDEOG	ITALIAN	24
D 64	11.996	V S		A. GF (IRDETO/MEDIAGUARD),CINE MOVIE,CINEMA STREAM,GRANDE FRATELLO INTEGRALE,XXX, <u>D±</u>	DVB	3/4	27.5	IRDETO/VIDEOG	ITALIAN	24
D 65	12.015	H W		CLASSICA,HALLMARK,RAISAT ALBUM,RAISAT ART,RAISAT GAMBERO ROSSO,TELE+ PROMO (CLEAR),TMC,TMC 2, <u>ARABESQUE</u>	DVB	3/4	27.5	VIACCESS	ARABIC	24
D 66	12.034	V S		ART AL-TARAB (CLEAR),ART CHILDREN,ART EUROPE (CLEAR),ART MOVIES,ART MUSIC,ART SPORT,ART VARIETY,ESC2 (CLEAR),IQRA (CLEAR),LBC EUROPE,TBN EUROPE,TV DE ALGERIE, <u>D±</u>	DVB	3/4	27.5	IRDETO/MEDIAG	ITALIAN	24
D 67	12.054	H S		CARTOON NETWORK,RAISAT RAGAZZI,TELE+ 16:9,TELEPIU BIANCO,TELEPIU GRIGIO,TELEPIU NERO,VETRINA D+, <u>D±</u>	DVB	3/4	27.5	IRDETO/MEDIAG	ITALIAN	24
D 68	12.073	V S		BBC WORLD,BLOOMBERG,CNBC,CNN INTERNATIONAL,EUROSPORT ITALY (MEDIAGUARD),SKY NEWS, <u>D±</u>	DVB	3/4	27.5	IRDETO/MEDIAG	ITALIAN	24
D 69	12.092	H W		P1 (MEDIAGUARD),P2 (MEDIAGUARD),P3 (MEDIAGUARD),P4 (MEDIAGUARD),P5 (MEDIAGUARD),P6 (MEDIAGUARD),PALCO PROMO (CLEAR), <u>EUTELSAT DIGITAL PLATFORM</u>	DVB	3/4	27.5	CLEAR	MULTI	24
D 70	12.111	V W		CANAL FIESTA,LA CADENA DEL MILAGRO,RCT-RAINBOW CHANNEL TV (VIACCESS/IRDETO),RETELSAT (08:00-17:00) (VIACCESS),SATISFACTION CHANNEL TV (VIACCESS/IRDETO),TV LOCALE,TVE INTERNACIONAL, <u>TELESPAZIO</u>	DVB	3/4	27.5	CLEAR	MULTI	24
A 71	12.130	H SW		AL-JAZEERA SATELLITE CHANNEL,ARMENIAN TV,ART CHANNEL,COMING SOON TV,KRISMA,NTV,SAILING CHANNEL,SALUTE BENESSERE,TV DE MAURITANIE, MAGYAR 2	PAL	6.60,7.02/7.20,	Y		HUNGARIAN	24
D 72	12.149	V W		<u>SITCOM WORLD</u> ALICE,ESPRESSO PROMO,LEONARDO,NUVOLARI,	DVB	3/4	27.5	CLEAR	ITALIAN	24
D 73	12.168	H W		<u>NOVA</u> BBC WORLD,CARTOON NETWORK,CCTV4 (CHINA CENTRAL TELEVISION),DISCOVERY CHANNEL,ET-1,FILM SAT,KANALI VOULIS (CLEAR),MAD TV,NET,NOVA PROMO (CLEAR),TMC,	DVB	3/4	27.5	IRDETO	GREEK	24
D 74	12.188	V W		<u>OTE</u> ALPHA,ERT Sat (CLEAR),ET-1,ET-3,EUROSPORT,FOX KIDS,HALLMARK,MCM EUROPE,MUZZIK,NET,OTE CINEMA,OTE PROMO (CLEAR),	DVB	3/4	27.5	VIDEOGUARD	GREEK	24
D 75	12.198	H W		ACASA TV PRO SPORT,PRO TV,PRO TV INTERNATIONAL (CLEAR),	DVB	7/8	12.13	PowerVu	ROMANIAN	24
D 75	12.211	H W		TVN POLNOC	DVB	3/4	5.632	CLEAR	POLISH	24

<i>Tx</i>	<i>Freq</i>	<i>Pol</i>	<i>Beam</i>	<i>Channel</i>	<i>Analogue</i>	<i>Audio MHz</i>	<i>Text</i>	<i>Access</i>	<i>Lang.</i>	<i>Hrs</i>
	(GHz)				Digital	FEC	MSy/s			
D 75	12.220	H W		<u>RR SATELLITE COMMUNICATIONS</u> ARIRANG TV WORLD 1,ATN BANGIA,BK 063 SAT,	DVB	3/4	6.161	CLEAR	MULTI	
D 76	12.236	V W		DCTV - DAIMLERCHRYSLER TV TELEUNIWESYTET,	DVB	3/4	13.4	CLEAR	MULTI	
D 77	12.245	H W		<u>MCM</u> AJARA TV (CLEAR),CANAL+ HORIZONS (VIACCESS/MEDIAGUARD),CFI PECO PRO (VIACCESS),FASHION TV (CLEAR),MCM EUROPE,MUZZIK (VIACCESS/MEDIAGUARD),TRT TAMIL TV (VIACCESS),TV5 EUROPE (VIACCESS),	DVB	3/4	27.5	ENCRYPTED	MULTI	24
D 78	12.265	V W		<u>DEUTSCHE TELEKOM DIGITAL PLATF</u> TELEKOM TV,	DVB	3/4	27.5	PowerVu	GERMAN	24
A 79	12.284	H W		ERT Sat	PAL	6.60,	Y		GREEK	17
D 80	12.303	V W		<u>RTV SLOVENIJA</u> COUNT DOWN TV,KURDISTAN TV,MAGIC TV,NAPOLI CHANNEL,NAPOLI INTERNATIONAL,POLONIA-1,SLO TV1 (VIACCESS),SLO TV2 (VIACCESS),SUPER 1,TBN ITALY,	DVB	3/4	27.5	CLEAR	MULTI	24
D 81	12.322	H W		<u>POLSAT2 CYFROWY</u> ANIMAL PLANET,DISCOVERY CHANNEL,POLSAT,POLSAT 2 INFO,RTL7,TV4,TVP 1,TVP 2,WOT,	DVB	3/4	27.5	NAGRAVISION	POLISH	24
D 82	12.341	V S		<u>D+</u> MOAICO PREMIUM (CLEAR),P10,P11,P12,P13,P14,P15,	DVB	3/4	27.5	IRDETO/MEDIAG	ITALIAN	24
D 83	12.360	H S		<u>POLSAT2 CYFROWY</u> POLSAT SPORT,INFO DOKUMENT,JUNIOR,KOMEDIA,MUZYCZNY RELAKS,ON,ONA,REALITY TV (NAGRAISION),SMYK,TELEUNIWESYTET,	DVB	3/4	27.5	NAGRAVISION	POLISH	24
D 84	12.380	V W		<u>FT-GLOBECAST</u> ABU DHABI TV (CLEAR),EQUIDIA INTERNATIONAL,GAME ONE,OCC HB3,PARIS PREMIERE,TELE 24 SWITZERLAND (CLEAR),TIJI,TV MONTENEGRO (CLEAR),	DVB	3/4	27.5	VIACCESS/MEDI	MULTI	24
D 85	12.399	H W		<u>SSR</u> SF 2,SF1,SRG-SSR SAT ACCESS CHANNEL (CLEAR),TSI 1,TSI 2,TSR 1,TSR 2,	DVB	3/4	27.5	VIACCESS	MULTI	24
D 86	12.418	V S		<u>D+</u> CANAL JIMMY,CINE CINEMAS 1,CINE CINEMAS 2,CINE CLASSICS,INN- IRANIAN NEWS NETWORK,MARCO POLO,PLANETE,SEASONS,WISHLINE,	DVB	3/4	27.5	IRDETO/MEDIAG	ITALIAN	24
D 87	12.437	H W		<u>IRIB TV</u> INN- IRANIAN NEWS NETWORK,JAAM-E-JAM TV NETWORK 1,JAAM-E-JAM TV NETWORK 2,SAHAR UNIVERSAL NETWORK,	DVB	3/4	27.5	CLEAR	PERSIAN	24
D 88	12.460	V W		<u>HALLMARK</u> HALLMARK CENTRAL EUROPE,HALLMARK ISRAEL,HALLMARK NORDIC,HALLMARK PROMO,	DVB	3/4	15	PowerVu	MULTI	24
D 89	12.476	H W		<u>EUTELSAT DIGITAL PLATFORM</u> EBS,LIBERTY TV.COM,M.O.U.,PINK PLUS (IRDETO),X TV,XNET TV (IRDETO),ZEE TV (CLEAR/ENCRYPTED),	DVB	3/4	27.5	CLEAR	MULTI	24
D 88	12.484	V W		WORLDNET WORLDNET EUROPE,	DVB	3/4	8.3	CLEAR	MULTI	24
D 90	12.520	V W		<u>CROATIAN DIGITAL PLATFORM</u> BVN TV (VIACCESS),EURO MEDITERRANEO,HRT TV-1,HRT TV-2 (VIACCESS),HRT TV-3 (VIACCESS),ITALIA MIA,MINI-BVN,SARDEGNA UNO,SICILIA INTERNATIONAL,TGRT,VIDEOLINA (VIACCESS),	DVB	3/4	27.5	CLEAR	MULTI	24
D 91	12.539	H W		<u>SKYPLEX</u> MONTE CARLO SAT,SISAL TV (PowerVu),TV BULGARIA,WWW.TRAVEL TV,	DVB	3/4	27.5	CLEAR	MULTI	24
D 92	12.558	V W		<u>SKYPLEX</u> EUROSPORT (VIACCESS),EUROSPORT NEWS,PROD ESP,PROD ESP NEWS,SKYPLEX TXP (CLEAR),	DVB	3/4	27.5	VIACCESS/MEDI	MULTI	24
D 93	12.573	H W		TVN	DVB	3/4	5.632	CLEAR	POLISH	24
D 93	12.583	H W		APTN Middle East	DVB	3/4	5.632	CLEAR		
D 93	12.590	H W		APTN	DVB	3/4	5.632	RAS		
D 94	12.597	V W		<u>FT GLOBECAST NORTHERN EUROPE</u> BBC WORLD (VIACCESS),BET (CLEAR),CANAL AGRO RURAL (VIACCESS),CNN INTERNATIONAL,EURONEWS (CLEAR),JSTV (CLEAR),JSTV PROMO (CLEAR),MBC (CLEAR),	DVB	3/4	27.5	VIACCESS/IRDE	MULTI	24
D 95	12.615	H W		<u>STREAM</u>	DVB	3/4	27.5	IRDETO/VIDEOG	ITALIAN	24

<i>Tx</i>	<i>Freq</i>	<i>Pol</i>	<i>Beam</i>	<i>Channel</i>	<i>Analogue</i>	<i>Audio MHz</i>	<i>Text</i>	<i>Access</i>	<i>Lang.</i>	<i>Hrs</i>
	(GHz)				<i>Digital</i>	<i>FEC</i>	<i>MSy/s</i>			
D 96	12.635	V	W	PRIMA FILA CINEMA 1,PRIMA FILA CINEMA 2,PRIMA FILA CINEMA 3,PRIMA FILA CINEMA 4,PRIMA FILA CINEMA 5,PRIMA FILA CINEMA 6,SC 1,SC 2,SC 3, <u>STREAM</u>	DVB	3/4	27.5	IRDETO/VIDEOG	ITALIAN	24
D 97	12.654	H	W	PRIMA FILA CINEMA 1,PRIMA FILA CINEMA 2,PRIMA FILA CINEMA 3,PRIMA FILA CINEMA 4,PRIMA FILA CINEMA 5,PRIMA FILA CINEMA 6,SC 4,SC 5,SC 6,XXX CLUB, <u>ARABSAT</u>	DVB	3/4	27.5	CLEAR	ARABIC	24
D 98	12.673	V	W	DUBAI SPORTS CHANNEL,IRAQ SATELLITE CHANNEL,JAMAHIRYA SATELLITE CHANNEL (Libya),JORDAN SATELLITE CHANNEL,KUWAIT SPACE CHANNEL,OMAN TV,QATAR SATELLITE CHANNEL,SAUDI CHANNEL 1,SHARJAH TV,SUDAN TV, <u>EUTELSAT DIGITAL PLAFORM</u>	DVB	3/4	27.5	CLEAR	MULTI	24
D 99	12.692	H	W	DIGITALY,E-VISION,GAME NETWORK,STUDIO EUROPA,TELEMARKET,THAI TV5,VIDEO ITALIA, <u>ABsat</u>	DVB	3/4	27.5	VIACCESS/MEDI	FRENCH	24
D 100	12.713	V	W	AB SAT PROMO (CLEAR),CINE PALACE,ENCYCLOPEDIA,MANGAS,MEDYA TV,MOTEURS (IRDETO/MEDIAGUARD),ONYX (IRDETO/MEDIAGUARD),PASSIONS (IRDETO/MEDIAGUARD),POLAR,RIRE,ROMANCE, XXL (IRDETO/MEDIAGUARD), <u>STREAM</u>	DVB	3/4	27.5	IRDETO/VIDEOG	MULTI	24
D 101	12.731	H	W	PRIMA FILA CINEMA 1,PRIMA FILA CINEMA 2,PRIMA FILA CINEMA 3,PRIMA FILA CINEMA 4,PRIMA FILA CINEMA 5,PRIMA FILA CINEMA 6,PRIMA FILA CINEMA 7,SPORT STREAM, <u>STREAM</u>	DVB	3/4	27.5	IRDETO/VIDEOG	MULTI	24
				CFN,COMEDY,DUEL TV,FOX KIDS,NATIONAL GEOGRAPHIC CHANNEL SOUTH AFRICA,ROMA,						

#### EUTELSAT II-F4 (28.5° EAST)

D 32	11.554			<u>CZECHLINK</u> CT1 (CLEAR),CT2 (CLEAR),HALLMARK CZECHIA,PRIMA TV,TV 3 PRAHA,	DVB	3/4	27.5	CRYPTOWORKS	CZECH	24
D 47	12.638			SAT 1	DVB	3/4	5.632	CLEAR	GERMAN	24
D 49	12.718			DEEJAY TV	DVB	3/4	2.892	CLEAR	ITALIAN	
D 49	12.723			K-TV	DVB	5/6	2.733	CLEAR	GERMAN	

#### W1 (10° EAST)

A B1	10.987	H	EU	NTV	PAL	6.65,8.20,	Y			TURKISH	24
D B2	11.014	V	EU	ATV	DVB	3/4	5.624	PowerVu		GERMAN	24
D B1	11.020	H	EU	POP TV	DVB	7/8	3.055	CLEAR		TURKISH	24
D B1	11.024	H	EU	OLAY TV	DVB	7/8	2.3	CLEAR		TURKISH	
D B1	11.024	H	EU	ANTENA1	DVB	3/4	3.055	CLEAR		ROMANIAN	24
A B3	11.080	H	EU	TV MONTENEGRO	PAL	6.60,				SERBIAN	5
A B4	11.095	V	EU	TGRT-TV	PAL	6.65,	Y			TURKISH	24
D B6	11.131	V	EU	<u>STAR DIGITAL</u> STAR 1 KIDS TIME,STAR 2 LADY LIFE,STAR 3 METRO,STAR SPOR,	DVB	3/4	14	CLEAR		TURKISH	
D B5	11.135	H	EU	ESA TV	DVB	3/4	5.632	CLEAR			
D B5	11.141	H	EU	NEUAPOSTOLISCHER KIRCHE	DVB	3/4	5.273	ENCRYPTED			2
A B6	11.144	V	EU	KRAL TV	PAL	6.65,				TURKISH	13
A B6	11.144	V	EU	TELEON	PAL	6.65,				TURKISH	11
D B5	11.154	H	EU	NEUAPOSTOLISCHER KIRCHE 2	DVB	1/2	5.273	ENCRYPTED			2
A B5	11.163	H	EU	TV MELOS	PAL	6.60,				SERBIAN	1.5
A B5	11.163	H	EU	HAKK TV	PAL	7.20,6.60,				TURKISH	2
A B5	11.163	H	EU	HBN	PAL	7.92,7.74(dig.),7.38(dig.),7.20,7.56,8.10,				ENGLISH	3
A B5	11.163	H	EU	TVL SAT	PAL	6.60,				SERBIAN	1
A B5	11.163	H	EU	VOICE OF AMERICA	PAL	6.60,				ENGLISH	2.5
A B5	11.163	H	EU	JUZNY VETAR	PAL	7.20,6.60,				SERBIAN	4
A B6	11.178	V	EU	STAR TV	PAL	6.65,				TURKISH	24
D D6	11.586	V	EU	EGE TV	DVB	3/4	2.821	CLEAR		TURKISH	24
A D6	11.603	V	EU	SAMANYOLU TV	PAL	6.65,				TURKISH	24
D F1	12.540	H	EU	MKTV	DVB	2/3	3.254	4:2:2		MACEDONIA	

#### W2 (16° EAST)

A B2	10.972	V	W	RTM 1	PAL	6.60,				ARABIC	24
D B1	11.019	H	W	OPEN BROADCAST NETWORK	DVB	3/4	3.123	CLEAR			24
D B1	11.023	H	W	WORLDDNET	DVB	3/4	3.123	CLEAR		SERBIAN	

<i>Tx</i>	<i>Freq</i>	<i>Pol</i>	<i>Beam</i>	<i>Channel</i>	<i>Analogue</i>	<i>Audio MHz</i>	<i>Text</i>	<i>Access</i>	<i>Lang.</i>	<i>Hrs</i>
	(GHz)				Digital	FEC	MSy/s			
D B3	11.043	H W		ALTERNATIVNA TV (Bosnia), <u>FOX NEDERLAND</u> FOX KIDS NEDERLAND,FOX NETHERLANDS,	DVB	3/4	4	CLEAR	DUTCH	12
D B3	11.081	H W		TMF VLAANDEREN	DVB	3/4	4.338	CLEAR	DUTCH	
D B3	11.091	H W		TMC TMC 2,	DVB	3/4	6.111	CLEAR	ITALIAN	24
A B4	11.095	V W		TV ALGERIE	PAL	6.60,			ARABIC	24
D B6	11.135	V W		UNIVERSITY OF PLYMOUTH	DVB	3/4	3.125	CLEAR	ENGLISH	
A B6	11.148	V W		BHT SAT	PAL	6.60,	Y		BOSNIAN	4
A B5	11.163	H W		MAM TV	PAL	6.60,			KURDISH	1
A B5	11.163	H W		TV RINIA	PAL	6.60,			ALBANIAN	1
A B5	11.163	H W		KURDISTAN TV	PAL	6.60,			ARABIC	5
A B5	11.163	H W		ASSYRIA TV	PAL	6.60,				7
A B6	11.178	V W		MIRACLE CHANNEL	PAL	7.20,6.60,			MULTI	3.5
A B6	11.178	V W		GOOD NEWS	PAL	6.60,			ARABIC	0.5
A B6	11.178	V W		SAT-7	PAL	6.60,7.20,			ARABIC	2
A B6	11.178	V W		CNA-Chaine Nord Afrique	PAL	7.20,6.60,			ARABIC	1
A C4	11.280	V W		RTK1	PAL	6.60/7.20,				4
D C5	11.304	V W		<u>BRITISH TELECOM</u> GEORGIAN TV (CLEAR),ROYAL BANK OF SCOTLAND TV,	DVB	3/4	30	VIDEOGUARD	MULTI	24
A C12	11.446	H W		AL-JAZEERA SATELLITE CHANNEL	PAL	7.56,6.60,			ARABIC	24
A D1	11.471	V W		NILE TV INTERNATIONAL	PAL	6.65,			ENGLISH/FRE	24
A D3	11.513	V W		EGYPTIAN SATELLITE CHANNEL	PAL	6.60,			ARABIC	24
D D4	11.534	H SS		<u>CANALSATELLITE REUNION</u> TF1,	DVB	3/4	30	MEDIAGUARD	FRENCH	
A D5	11.554	V W		JAMAHIRYA SATELLITE CHANNEL (Libya)	PAL	6.60,			ARABIC	24
A D6	11.572	H W		SYRIA SATELLITE CHANNEL	PAL	6.65,			ARABIC	24
A D7	11.599	V W		TV7 TUNISIA	PAL	6.60,			ARABIC	
D D8	11.617	H W		<u>PARABOLE REUNION</u> AB MOTEURS,CHASSE ET PECHE,CINEFAZ,CINESTAR 1,CINETOILE,CNN INTERNATIONAL,COMEDIE!,ESCALES,HOTSHO W,INFOSPORT,LCI LA CHAINE INFO,M6 MUSIC,ODYSSEE,RTL 9,SERIE CLUB,TELETOON,TRT TAMIL TV,	DVB	3/4	29.95	VIACCESS	FRENCH	24
D D10	11.658	H SS		<u>CANALSATELLITE REUNION</u> CANAL J,CINE CINEMAS 1-2,DISNEY CHANNEL,EUROSPORT,FRANCE COURSE,MCM INTERNATIONAL,NOSTALGIE,PARIS PREMIERE,PLANETE,VOYAGE,XXL,	DVB	3/4	30	MEDIAGUARD	FRENCH	24
D F2	12.520	V W		PANORAMA TV	DVB	7/8	2.169	CLEAR	GERMAN	
D F1	12.569	H W		SIC INTERNACIONAL	DVB	3/4	2.894	RAS	PORTUGUES	8
D F3	12.608	H W		<u>SNAI</u> CINQUESTELLE,ITALIA 9,RETE CAPRI,SNAI SAT,SNAI SAT CHANNEL 1 (PowerVu),SNAI SAT CHANNEL 2 (PowerVu),	DVB	3/4	27.5	CLEAR	ITALIAN	24
D F6	12.676	V W		AJARA TV	DVB	3/4	4.34		GEORGIAN	
D F5	12.702	H W		TV ROMNATICA TV ROMANTICA,	DVB	3/4	2.961	CLEAR	TURKISH	
D F6	12.703	V W		<u>TELEGENOVA SAT</u> RETE MIA,	DVB	3/4	5.923	CLEAR	ITALIAN	24
D F6	12.714	V W		<u>TV ROMANIA MUX</u> ROMANIA 1,TV ROMANIA INTERNATIONAL,TVR 2,	DVB	3/4	9.909	CLEAR	ROMANIAN	24
D F5	12.729	H W		PI6ALK	DVB	3/4	2	CLEAR		24

### W3 (7° EAST)

D B6	11.176	V W		<u>TVP</u> TV POLONIA (CLEAR),TVP 2 (ENCRYPTED),TVP REGIONALNA (CLEAR),TVP1 (ENCRYPTED),	DVB	3/4	27.5	VIDEOGUARD	POLISH	24
D C3	11.262			TV5 EUROPE	DVB	2/3	11.262	CLEAR	FRENCH	
D C9	11.387	H W		<u>BEST OF EUTELSAT</u> EURONEWS,RAI UNO,RTP INTERNACIONAL,ZDF,	DVB	5/6	27.5	CLEAR	MULTI	
D D1	11.473			TELIA PROMO	DVB	3/4	27.5	CLEAR	SWEDISH	
D D2	11.492	V S		<u>DIGITÜRK</u> BBC PRIME,BRT-BAYINDIR TV,EI ENTERTAINMENT TV,ISIK TV (CLEAR),REALITY TV,SINEMATURK,SPORTV,TRT 1 (CLEAR),TRT 2 (CLEAR),TRT 3 (CLEAR),TRT 4 (CLEAR),TV GAP (CLEAR),UNIVERSITE HAZIRLIK (CLEAR),	DVB	3/4	30	CRYPTOWORKS	TURKISH	24
D D3	11.513	H W		<u>DIGITÜRK</u> ALICE (CLEAR),LEONARDO (CLEAR),MEGA MUSIC (CLEAR),MGM (CLEAR),NBA.com TV (CLEAR),NICKELODEON (CLEAR),PRO TV (CLEAR),SAT 1 (CLEAR),	DVB	2/3	20	CRYPTOWORKS	TURKISH	24

<i>Tx</i>	<i>Freq</i>	<i>Pol</i>	<i>Beam</i>	<i>Channel</i>	<i>Analogue</i>	<i>Audio MHz</i>	<i>Text</i>	<i>Access</i>	<i>Lang.</i>	<i>Hrs</i>
	(GHz)				Digital	FEC	MSy/s			
D D4	11.534	V S		<u>DIGITÜRK</u> ..TV,BBC WORLD,BEST TV,CNBC - E,EURONEWS,FASHION TV,KANAL 7 (CLEAR),MOVIEMAX 2 INTERNATIONAL,SKY NEWS,TV 8,UPC EXTREME SPORTS,	DVB	3/4	30	CRYPTOWORKS	TURKISH	24
D D6	11.575	V S		<u>DIGITÜRK</u> DIGITÜRK PROMO (CLEAR),FOX KIDS,FOX SPORTS EUROPE,KANAL D,MTV EUROPE,RAI UNO,SALON 1,SALON 2,SHOW TV,VH-1 EXPORT,ZDF,	DVB	3/4	30	CRYPTOWORKS	TURKISH	24
D D7	11.596	H SS		IMYA-AZADI IRANIAN NATIONAL TV	DVB	3/4	30	CLEAR	FARSI	
D D8	11.617	V S		<u>DIGITÜRK</u> ATV,CNN TÜRK,EUROSPORT,EUROSPORT NEWS (CLEAR),HALLMARK,KISS TV,NTV INTERNATIONAL,SALON 3,SALON 4,TGRT,TV5,	DVB	3/4	30	CRYPTOWORKS	TURKISH	24
D D10	11.658	V S		<u>DIGITÜRK</u> CNBC EUROPE,DISCOVERY CHANNEL,KANAL 6,MCM EUROPE,MOVIEMAX 2 INTERNATIONAL,MUZZIK,NATIONAL GEOGRAPHIC CHANNEL UK,ROMANTICA,SALON 5,SALON 6,YILBASI KANALI,	DVB	3/4	30	CRYPTOWORKS	TURKISH	24
D D9	11.674	H S		NB- SUPERONLINE PROMO	DVB	3/4	27.5	CLEAR		
D F4	12.638	V W		RFTV (REUTERS FINANCIAL TV)	DVB	1/2	2.047	CLEAR	ENGLISH	24
D F6	12.722	V W		RFTV (REUTERS FINANCIAL TV)	DVB	3/4	1.365	CLEAR	ENGLISH	24

### EUTELSAT II-F3 (21.5° EAST)

D 25	10.962	V SS		PINK PLUS	DVB	3/4	2.894	IRDETO	SERBIAN	
A 32	11.557	H SS		TV SHIQIPTAR	PAL	6.50,				2
D 33	11.596	H SS		<u>MEDIAGATE</u> MOVIEMAX 2 INTERNATIONAL,MOVIEMAX INTERNATIONAL,SINEMATURK,UNIVERSITE HAZIRLIK,VIZYON SALON 1,VIZYON SALON 2,VIZYON SALON 3,VIZYON SALON 4,VIZYON SALON 5,VIZYON SALON 6,	DVB	3/4	27.5	CONAX	TURKISH	

### DFS2 FM2 (28.5° EAST)

D A1	11.478	H W		<u>CZECHLINK</u> CT1,CT2,HALLMARK CZECHIA,PRIMA TV,TV 3 PRAHA (CLEAR),	DVB	3/4	30	CRYPTOWORKS	CZECH	24
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### TELECOM 2A (8° WEST)

A 4	12.648			CANAL +	PAL	6.60,			FRENCH	24
D 5	12.677			<u>SITCOM WORLD</u> ESPRESSO PROMO,LEONARDO,NUVOLARI, SALUTE BENESSERE	DVB	5/6	10.413	CLEAR	ITALIAN	
D 5	12.690				DVB	3/4	2.893	CLEAR	ITALIAN	

### TELECOM 2D (8° WEST)

D 1A	03.746			<u>GLOBECAST</u> RFO TELE GUYANA,RFO TEMPO,	DVB	3/4	6.654	CLEAR	FRENCH	
D 8	11.538			RTL SCHLESWIG-HOLSTEIN	DVB	3/4	4.443	CLEAR	GERMAN	0.5
D 8	11.544			RTL NIEDERSACHSEN	DVB	3/4	4.443	CLEAR	GERMAN	0.5
D 8	11.550			RTL HESSEN	DVB	3/4	4.443	CLEAR	GERMAN	0.5
D 8	11.550			RTL	DVB	3/4	4.443	CLEAR	GERMAN	
D 3	11.556			<u>FSP</u> BAHNINFORM,BBC WORLD,EURONEWS,NTV,STREAM NEWS,TGRT,VT4 (Liederkerke - London),	DVB	3/4	27.5	CLEAR		
D 4	11.587			<u>GLOBECAST</u> CANAL AGRO RURAL (VIACCESS),	DVB	3/4	13.6	CLEAR	FRENCH	
D 5	11.625			EUROSPORT	DVB	5/6	6.8	CLEAR	FRENCH	
D 5	11.641			TELE 24	DVB	3/4	2.888	CLEAR		
D 5	11.648			EURONEWS	DVB	3/4	4.44	CLEAR	MULTI	
D 5	11.652			TV MONTENEGRO	DVB	3/4	4.445	CLEAR	SERBIAN	

### EUTELSAT II-F1 (48° EAST)

D 22	11.174	H W		OLISAT TV	DVB	2/3	3.254	CLEAR	ITALIAN	
D 22	11.179	H W		TELEGENOVA SAT	DVB	2/3	3.254	CLEAR	ITALIAN	
D 22	11.183	H W		102.5 HIT CHANNEL PROMO	DVB	1/2	4.34	CLEAR	ITALIAN	
D 33	11.590	H S		EURO MEDITERRANEO	DVB	2/3	2.5	CLEAR	ITALIAN	
D 33	11.595	H S		COUNT DOWN TV	DVB	3/4	1.665	CLEAR		



<i>Tx</i>	<i>Freq</i>	<i>Pol</i>	<i>Beam</i>	<i>Channel</i>	<i>Analogue</i>	<i>Audio MHz</i>	<i>Text</i>	<i>Access</i>	<i>Lang.</i>	<i>Hrs</i>
	(GHz)				Digital	FEC	MSy/s			
D 33	11.598	H S		MAGIC TV	DVB	2/3	2.359	CLEAR		
D 33	11.601	H S		NAPOLI INTERNATIONAL	DVB	3/4	2.168	CLEAR	ITALIAN	
D 33	11.605	H S		SARDEGNA UNO	DVB	2/3	2.196	CLEAR	ITALIAN	
D 33	11.612	H S		SICILIA INTERNATIONAL	DVB	1/2	3.333	CLEAR	ITALIAN	24

#### EUTELSAT II-F2 (12.5° WEST)

D 46	12.574	V W		SIC INTERNACIONAL	DVB	1/2	4.34	CLEAR	PORTUGUES	24
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#### SESAT (36° EAST)

D F2	12.562	V EU		GEORGIAN TV	DVB	2/3	3.254	CLEAR	GEORGIAN	24
D F5	12.656	H EU		ANEM	DVB	3/4	2.963	CLEAR	SERBIAN	
D F5	12.683	H EU		STUDIO EUROPA	DVB	2/3	2.498	CLEAR	ITALIAN	24
D F5	12.688	H EU		NTA - NATIONAL TV OF ARMENIA	DVB	2/3	3.254	CLEAR	ARMENIAN	24
D F5	12.689	H EU		KURDSAT	DVB	2/3	3.254	CLEAR		5
D F5	12.692	H EU		TRT INTERNATIONAL	DVB	3/4	30.3	CLEAR		
D F5	12.696	H EU		DIGITALY	DVB	1/2	3.254	CLEAR	ITALIAN	24
D F5	12.700	H EU		ELEFANTE TELEMARKET	DVB	2/3	2.498	CLEAR	ITALIAN	24
D F5	12.704	H EU		CLASS FINANCIAL NETWORK	DVB	2/3	3.53	ENCRYPTED	ITALIAN	24
D F5	12.705	H EU		VIDEOLINA	DVB	1/2	3.254	CLEAR	ITALIAN	
D F5	12.708	H EU		TBN ITALY	DVB	3/4	2.168	CLEAR	ITALIAN	24
D F5	12.709	H EU		BK 063 SAT	DVB	2/3	3.002	CLEAR		

#### W4 (36° EAST)

D 28	12.245	R RU		<u>NTV PLUS</u> DEUTSCHE WELLE TV,TELESHKOLA (CLEAR),TV5 EUROPE,	DVB	3/4	27.5	VIACCESS	RUSSIAN	
D 32A	12.322	H SA		<u>MULTICHOICE AFRICA</u> AGCN (TEST),B4U (TEST),REALITY TV (TEST),SIC,SONY (TEST),TV GLOBO (TEST),ZEE TV (TEST),	DVB	1/2	26.5	IRDETO	ENGLISH	
D 32R	12.322	R RU		<u>NTV PLUS</u> BOEVIK,DATSKY,MIR/NOCHNOY KANAL,ORT,SPORT 1,SPORT 2,ZAPUBEJNOYE KINO,	DVB	3/4	27.5	VIACCESS	RUSSIAN	
D 34	12.360	H SA		<u>MULTICHOICE AFRICA</u> AFRICA 2 AFRICA,BET International,CARLTON FOOD NETWORK,CARTOON NETWORK,FASHION TV,K-TV WORLD,MTV,RTP1,SERIES,TCM,	DVB	1/2	26.5	IRDETO	ENGLISH	
D 35	12.380	L RU		<u>NTV PLUS</u> ANIMAL PLANET,DISCOVERY CHANNEL RUSSIA,EUROSPORT,NACHE KINO/NOCHNOY,NICKELODEON,ROMANTICA,	DVB	3/4	27.5	VIACCESS	RUSSIAN	
D 36	12.399	R RU		<u>NTV PLUS</u> FASHION,KULTRA,MTV RUSSIA,NTV (CLEAR),RTR,TNT (CLEAR),	DVB	3/4	27.5	VIACCESS	RUSSIAN	
D 38	12.437	H SA		<u>MULTICHOICE AFRICA</u> BBC PRIME,BBC WORLD,ESPN AFRICA,HALLMARK,M-NET EAST,NATIONAL GEOGRAPHIC CHANNEL SOUTH AFRICA,SUPERSPORT 1,	DVB	2/3	26.04	IRDETO	ENGLISH	
D 39	12.456	L RU		<u>NTV PLUS</u> BBC WORLD,DISCOVERY CHANNEL,EI,FOX KIDS,HALLMARK,MUZZIK,TV CENTR,	DVB	3/4	27.5	VIACCESS	RUSSIAN	
D 40A	12.476	H SA		<u>MULTICHOICE AFRICA</u> CHANNEL O,CNN INTERNATIONAL,DISCOVERY CHANNEL,M-NET WEST,MOVIE MAGIC,SABC AFRICA,SOUND TV,SUPERSPORT 1,SUPERSPORT 2,	DVB	3/4	26.04	IRDETO	ENGLISH	
D 40R	12.476	R RU		<u>NTV PLUS</u> BLOOMBERG,CARTOON NETWORK/TCM,CNN,DISCOVERY CHANNEL,EURONEWS,TV 6 MOSKVA,VH-1,	DVB	3/4	27.5	VIACCESS	RUSSIAN	



*Superwide = HOT BIRD 1  
Wide = HOT BIRD 2-5  
Super = HOT BIRD 2-5*

<i>Tx</i>	<i>Freq</i>	<i>Pol</i>	<i>Beam</i>	<i>Channel</i>	<i>Audio MHz</i>	<i>MSy/s</i>	<i>Access</i>	<i>Lang.</i>	<i>Hrs</i>
	<i>(GHz)</i>				<i>FEC</i>				
<b>HOT BIRD™ (13° EAST)</b>									
D 110	10.719	V	W	<u>CYFRA+</u> CHOPIN (CLEAR),FIESTA LATINA (CLEAR),PIOSENKA POLSKA (CLEAR),POLSKI ROCK (CLEAR),TECHNOMANIA (CLEAR),	3/4	27.5	MEDIAGUARD	POLISH	24
D 112	10.758	V	S	<u>TPS</u> Guide LC,	3/4	27.5	VIACCESS/MEDI	FRENCH	24
D 113	10.775	H	W	<u>AFN</u> AFN POWER NETWORK,AFN Z-FM,BSR SOFTWARE,CONTINGENCY,HOT AC,HOT ADULT CONTEMPORARY HITS,Kosovo Back,NPR WORLDWIDE AFRTS,PURE GOLD,SMPT TIME (CLEAR),TV news sport,URBAN,WESTWOOD ONE ADULT ROCK AND ROLL,WESTWOOD ONE BRIGHT AC,WESTWOOD ONE COUNTRY & WESTERN,	3/4	28	PowerVu	ENGLISH	24
D 114	10.796	V	W	<u>TPS</u> ELISA (CLEAR),FIP (CLEAR),FRANCE CULTURE (CLEAR),FRANCE INFO (CLEAR),FRANCE INTER (CLEAR),FRANCE MUSIQUE (CLEAR),HECTOR (CLEAR),LE MOUV (CLEAR),RADIO BLEUE (CLEAR),	2/3	27.5	VIACCESS	FRENCH	24
A 115	10.815	H	W	KOSSUTH RADIO	7.38,			HUNGARIAN	17
A 115	10.815	H	W	RADIO BUDAPEST	7.56,			HUNGARIAN	17
A 115	10.815	H	W	PETOFI RADIO	7.74,			HUNGARIAN	17
A 115	10.815	H	W	MAGYAR RADIO	7.92,			HUNGARIAN	17
A 117	10.853	H	W	RADIO SWEDEN	7.38,			MULTI	24
A 117	10.853	H	W	RADIO CANADA INTERNATIONAL	7.56,			MULTI	24
A 117	10.853	H	W	VOA	7.74,			KURDISH	2
A 117	10.853	H	W	RCI	7.56,			KURDISH	2
A 117	10.853	H	W	RADIO SWEDEN	7.38,			KURDISH	2
A 117	10.853	H	W	WRN 2 EUROPE	7.74,			MULTI	24
D 118	10.873	V	S	<u>TPS</u> BFM,CHERIE FM (CLEAR),EUROPE 1 (CLEAR),EUROPE 2 (CLEAR),FUN RADIO,NRJ (CLEAR),RADIO CLASSIQUE (CLEAR),RCF,RFM (CLEAR),RTL (CLEAR),RTL 2,W-UNE (CLEAR),	3/4	27.5	VIACCESS	FRENCH	24
D 119	10.892	H	W	<u>CYFRA+</u> JAZZ RADIO (CLEAR),POLSKIE RADIO 1 (CLEAR),POLSKIE RADIO 2 (CLEAR),POLSKIE RADIO 3 (CLEAR),POLSKIE RADIO BIS (CLEAR),RADIOSTACJA P4 POLSKA (CLEAR),RMF FM (CLEAR),TOK FM (CLEAR),	3/4	27.5	MEDIAGUARD	POLISH	24
D 120	10.911	V	S	<u>TPS</u> ABYSSE,BAROQUE,BIG BAND,BLUES,CONTEMPORAIN,GENERATIONS,GRAND CLASSIQUE,JAZZ,JAZZ MODERNE,LA VOIX DE PAIX (CLEAR),LE JOURNAL,LES TUBES FRANCAIS,MOSQUETEIROS (CLEAR),NET RADIO (CLEAR),NOSTALGIE (CLEAR),OPERA,RADIO COURTOISIE (CLEAR),RADIO J,RADIO JUNIOR (CLEAR),RELAXATION,RIRE & CHANSONS (CLEAR),RMC,SKYROCK,SYMPHONIES,	3/4	27.5	VIACCESS	FRENCH	24
D 121	10.930	H	S	<u>NOVA</u> NOVA SCOPE,	3/4	27.5	IRDETO	GREEK	24
A 123	10.974	H	W	TRT-FM	7.02/7.20,			TURKISH	24
A 123	10.974	H	W	VOICE OF TURKEY GENERAL SERVICE	7.56,			TURKISH	24
A 123	10.974	H	W	VOICE OF TURKEY FOREIGN SERVICE	7.92,			TURKISH	24
D 126	11.034	V	S	<u>TPS</u> Annonces,TPS foot,TPS interactive,	5/6	29.9	VIACCESS	FRENCH	
D 127	11.054	H	W	<u>DEUTSCHE TELEKOM DIGITAL PLATF</u> EVENT,TOPROTO,	5/6	27.5		GERMAN	
D 129	11.096	H	S	TI NOVA,	3/4	27.5	CONAX	GERMAN	24
A 130	11.113	V	W	BBC WORLD SERVICE	7.38,			ENGLISH	
A 130	11.113	V	W	BBC WORLD SERVICE BALKANS	7.74,			ENGLISH	
D 132	11.196	V	W	DEUTSCHE WELLE 1,DEUTSCHE WELLE 2,DEUTSCHE WELLE 4,DEUTSCHE WELLE 5,DEUTSCHE WELLE 6,JAZZ RADIO,	1/2	9.1		GERMAN	
D 2	11.242	V	SW	<u>VIACOM</u>	3/4	27.5	CRYPTOWORKS	MULTI	24

<i>Tx</i>	<i>Freq</i>	<i>Pol</i>	<i>Beam</i>	<i>Channel</i>	<i>Audio MHz</i>	<i>MSy/s</i>	<i>Access</i>	<i>Lang.</i>	<i>Hrs</i>
	(GHz)				FEC				
				<b>RADIO VOYAGER (CLEAR),WRN 1,WRN 2,</b>					
A 6	11.321	V	SW	FRANCE CULTURE EUROPE	7.56,			FRENCH	24
A 6	11.321	V	SW	FRANCE INFO	7.20,			FRENCH	24
A 6	11.321	V	SW	RM C MOYEN-ORIENT	7.92,			FRENCH	24
A 6	11.321	V	SW	FRANCE INTER	7.38,			FRENCH	24
<b>D 6</b>	<b>11.339</b>	<b>V</b>	<b>SW</b>	<b>RFI,RFI MIDDLE EAST/ASIA,</b>	<b>3/4</b>	<b>5.632</b>		<b>FRENCH</b>	<b>24</b>
A 8	11.363	V	SW	RAI RADIO 3	7.56,			ITALIAN	24
A 8	11.363	V	SW	RAI RADIO 1	7.38,			ITALIAN	24
A 10	11.405	V	SW	RADIO MARIA	7.74,			FRENCH	21
A 10	11.405	V	SW	RADIO ITALIA	7.38/7.56,			FRENCH	21
A 12	11.446	V	SW	RAI RADIO INTERNATIONAL	7.56,			ITALIAN	24
A 12	11.446	V	SW	RAI RADIO 2	7.38,			ITALIAN	24
A 12	11.446	V	SW	GR PARLEMENTO	7.74,			ITALIAN	24
<b>D 12</b>	<b>11.464</b>	<b>V</b>	<b>SW</b>	<b>RAI RADIO INTERNATIONAL,</b>	<b>3/4</b>	<b>4.208</b>	<b>DMV</b>	<b>ITALIAN</b>	<b>24</b>
A 13	11.474	H	SW	POLSKIE RADIO 5	7.38,			POLISH	19
A 13	11.474	H	SW	POLSKI RADIO 3	7.74,			POLISH	19
A 13	11.474	H	SW	RADIO MARYJA	7.92,			POLISH	19
A 13	11.474	H	SW	POLSKI RADIO 1	7.56,			POLISH	19
A 15	11.516	H	SW	EUROSPORT NEWS	7.74,			POLISH	24
<b>D 155</b>	<b>11.604</b>	<b>H</b>	<b>S</b>	<b>SAT 1 SCHWEIZ</b>	<b>5/6</b>	<b>27.5</b>		<b>MULTI</b>	<b>24</b>
				<b>BIG FM,PARTY RADIO,</b>					
<b>D 156</b>	<b>11.623</b>	<b>V</b>	<b>W</b>	<b>GLOBECAST</b>	<b>3/4</b>	<b>27.5</b>		<b>MULTI</b>	
				<b>102.5 HIT CHANNEL,RADIO ROMANIA</b>					
				<b>ACTUALITATI,ROMANIA MUZICA,RTL 102.5 CLASSICS,</b>					
<b>D 157</b>	<b>11.642</b>	<b>H</b>	<b>W</b>	<b>BLOOMBERG</b>	<b>3/4</b>	<b>27.5</b>	<b>PowerVu</b>	<b>ENGLISH</b>	
				<b>Sat 7,</b>					
A 50	11.727	V	W	EUROSPORT	8.46,			PORTUGUES	24
A 50	11.727	V	W	RDP INTERNACIONAL	7.02,			PORTUGUES	24
A 50	11.727	V	W	RDP ANTENA 2	7.56,			PORTUGUES	24
A 50	11.727	V	W	RDP ANTENA 1	7.20,			PORTUGUES	24
<b>D 51</b>	<b>11.747</b>	<b>H</b>	<b>W</b>	<b>EDTV</b>	<b>3/4</b>	<b>27.5</b>		<b>ARABIC</b>	<b>24</b>
				<b>UAE RADIO DUBAI,</b>					
A 53	11.785	H	W	RNE RADIO 5	7.20/7.38,			SPANISH	24
A 53	11.785	H	W	RNE RADIO CLASSICA	7.56,			SPANISH	24
A 53	11.785	H	W	RNE RADIO 3	7.74/7.92,			SPANISH	24
A 53	11.785	H	W	RNE RADIO 1	7.02,			SPANISH	24
<b>D 54</b>	<b>11.804</b>	<b>V</b>	<b>S</b>	<b>RAI</b>	<b>2/3</b>	<b>27.5</b>		<b>ITALIAN</b>	<b>24</b>
				<b>BLU SAT 2000,FD AUDITORIUM,FD LEGGERA,GR</b>					
				<b>PARLEMENTO,ISORADIO,NOTTURNO ITALIANO,RADIO</b>					
				<b>DUE,RADIO TRE,RADIO UNO ,</b>					
<b>D 55</b>	<b>11.823</b>	<b>H</b>	<b>W</b>	<b>NOVA (GREECE)</b>	<b>3/4</b>	<b>27.5</b>	<b>IRDETO</b>	<b>GREEK</b>	<b>24</b>
				<b>ERA 3,GREEK CHURCH,LOVE RADIO,MELODI RADIO,SKAI</b>					
				<b>RADIO,STATMOS,</b>					
<b>D 56</b>	<b>11.843</b>	<b>V</b>	<b>S</b>	<b>STREAM</b>	<b>3/4</b>	<b>27.5</b>	<b>IRDETO/VIDEOG</b>	<b>MULTI</b>	<b>24</b>
				<b>101,CLASSIC ROCK,HIT PARADE,RADIO ANTENNA,RADIO</b>					
				<b>DIMENSIONE SUONO,RADIO GLOBO,RADIO RADIO,RADIO</b>					
				<b>ROCK,RADIO VOYAGER,RKFM,RTL,SUPER ROCK,</b>					
<b>D 57</b>	<b>11.862</b>	<b>H</b>	<b>S</b>	<b>D±</b>	<b>3/4</b>	<b>27.5</b>	<b>IRDETO/MEDIAG</b>	<b>ITALIAN</b>	<b>24</b>
				<b>ADAGIO (ENCRYPTED),ALL JAZZ (ENCRYPTED),ANNI 60</b>					
				<b>(ENCRYPTED),ATMOSFERA (ENCRYPTED),BEL CANTO</b>					
				<b>(ENCRYPTED),BLACK &amp; BLUES (ENCRYPTED),CACTUS</b>					
				<b>COUNTRY (ENCRYPTED),CANTANTI E POETI</b>					
				<b>(ENCRYPTED),CANZONI DI FRANCIA (ENCRYPTED),CINE</b>					
				<b>MUSICA (ENCRYPTED),DANCE MUSIC</b>					
				<b>(ENCRYPTED),FANTASIA BAROCCA</b>					
				<b>(ENCRYPTED),FISHARMONICA (ENCRYPTED),GRANDE</b>					
				<b>OPERA (ENCRYPTED),JAZZ FESTIVAL (ENCRYPTED),JAZZ</b>					
				<b>LEGGENDARIO (ENCRYPTED),LA CANZONI D'ITALIA</b>					
				<b>(ENCRYPTED),LA DOLCE VITA (ENCRYPTED),LE MIE</b>					
				<b>FAVORITE (ENCRYPTED),MAXIDANCE</b>					
				<b>(ENCRYPTED),MUSICA ANTICA (ENCRYPTED),MUSICA DA</b>					
				<b>CAMERA (ENCRYPTED),MUSICA ETNO</b>					
				<b>(ENCRYPTED),MUSICA SACRA (ENCRYPTED),MUSICA</b>					
				<b>SINFONICA (ENCRYPTED),NEW JAZZ</b>					
				<b>(ENCRYPTED),PLANETA RAP (ENCRYPTED),RADIO 101</b>					
				<b>(ENCRYPTED),RADIO 105 (ENCRYPTED),RADIO CAPITAL</b>					
				<b>(ENCRYPTED),RADIO DEEJAY (ENCRYPTED),RADIO ITALIA</b>					
				<b>(ENCRYPTED),RADIO MONTE CARLO ITALIA</b>					
				<b>(ENCRYPTED),RADIO RADICALE (ENCRYPTED),RADIO</b>					
				<b>RADIO (ENCRYPTED),ROCK AL</b>					
<b>D 58</b>	<b>11.881</b>	<b>V</b>	<b>S</b>	<b>STREAM</b>	<b>3/4</b>	<b>27.5</b>	<b>IRDETO/VIDEOG</b>	<b>MULTI</b>	<b>24</b>
				<b>MUSIC CHOICE EUROPE 1-15,</b>					
<b>D 60</b>	<b>11.919</b>	<b>V</b>	<b>W</b>	<b>MEDIASET</b>	<b>2/3</b>	<b>27.5</b>		<b>ITALIAN</b>	<b>24</b>
				<b>RADIO MATER,</b>					
<b>D 65</b>	<b>12.015</b>	<b>H</b>	<b>W</b>	<b>ARABESQUE</b>	<b>3/4</b>	<b>27.5</b>	<b>VIACCESS</b>	<b>ARABIC</b>	<b>24</b>
				<b>AL-QURAN AL-KARIM (CLEAR),GENERAL ARABIC 1</b>					
				<b>(CLEAR),GENERAL ARABIC 2 (CLEAR),RADIO AL DIKR</b>					
				<b>(CLEAR),</b>					
<b>D 69</b>	<b>12.092</b>	<b>H</b>	<b>W</b>	<b>EUTELSAT DIGITAL PLATFORM</b>	<b>3/4</b>	<b>27.5</b>		<b>MULTI</b>	<b>24</b>

	<i>Tx</i>	<i>Freq</i>	<i>Pol</i>	<i>Beam</i>	<i>Channel</i>	<i>Audio MHz</i>	<i>MSys/s</i>	<i>Access</i>	<i>Lang.</i>	<i>Hrs</i>
		(GHz)				FEC				
					CARDENA ENERGIA,MUSICA AMBIENTAL (VIACCESS),MUSICA CLASICA (VIACCESS),MUSICA EN ESPANOL (VIACCESS),MUSICA MELODICA (VIACCESS),MUSICA MODERNA (VIACCESS),MUSICA Y NOTICIAS (VIACCESS),RADIO GALEGA,					
D 70	12.111	V W			<u>TELESPAZIO</u> ARMENIA RADIO,RADIO ROCK X2,	3/4	27.5		MULTI	24
A 71	12.130	H SW			BARTOK RADIO	7.74/7.92,			HUNGARIAN	24
D 73	12.168	H W			<u>NOVA</u> ARTISTIC,LOVE MUSIC,POP,REBETICO,ROCK-HIP HOP,	3/4	27.5	IRDETO	GREEK	24
D 74	12.188	V W			<u>OTE</u> 902 ARISTERA STA FM (CLEAR),ALPHA NEWS,ATHINA 9.84 (CLEAR),ERA DEYTERO,ERA ENA,ERA SPORT,ERA TRITO,FLASH 96.1 (CLEAR),JERONIMO GROOVY (CLEAR),KISS FM (CLEAR),NITRO RADIO (CLEAR),NSR NETWORK SATELLITE NETWORK (CLEAR),PLANET 104.5 (CLEAR),RADIO GOLD 105 FM (CLEAR),RADIO SFERA (CLEAR),SKAI 100.4 FM,SPORT FM,	3/4	27.5	VIDEOGUARD	GREEK	24
D 75	12.198	H W			RADIO INFO PRO,	7/8	12.13	PowerVu	ROMANIAN	24
D 75	12.220	H W			<u>RR SATELLITE COMMUNICATIONS</u> ARUTZ SHEVA FOREIGN CHANNEL,ARUTZ SHEVA HEBREW CHANNEL,ISRAEL RADIO INTERNATIONAL,RESHET ALEF,TAMIL ALAI,VOICE OF HOPE,VOICE OF VIETNAM,	3/4	6.161		MULTI	24
D 77	12.245	H W			<u>MCM</u> RADIO 2000 (CLEAR),RADIO BABY (CLEAR),RADIO COOKY (CLEAR),RADIO DAY CLASSIC (CLEAR),RADIO DIMENSIONE SUONO (CLEAR),RADIO MACDONALDS (CLEAR),RADIO RINASCENTE (CLEAR),TAMIL OLI RADIO (CLEAR),	3/4	27.5	ENCRYPTED	MULTI	24
D 80	12.303	V W			<u>RTV SLOVENIJA</u> RADIO SLOVENIJA 1,2,3,STR-Slovenski Turisticni Radio,	3/4	27.5		MULTI	24
D 82	12.341	V S			<u>D±</u> RADIO 101 (ENCRYPTED),RADIO MONTE CARLO ITALIA (CLEAR),RADIO RADICALE (CLEAR),RADIO RADIO (ENCRYPTED),	3/4	27.5	IRDETO/MEDIAG	ITALIAN	24
D 84	12.380	V W			<u>FT-GLOBECAST</u> EMARAT FM (CLEAR),RADIO GAL (CLEAR),RADIO MONTENEGRO (CLEAR),	3/4	27.5	VIACCESS/MEDI	MULTI	24
D 85	12.399	H W			<u>SSR</u> RSR ESPACE 2 (CLEAR),RSR OPTION MUSIQUE (CLEAR),SRI EUROPE (CLEAR),SRI FRANCAIS/ITALIANO (CLEAR),SRI INTERCONTINENTAL (CLEAR),	3/4	27.5	VIACCESS	MULTI	24
D 87	12.437	H W			<u>IRIB TV</u> Irib International,IRIB WORLD SERVICE RADIO 1,2,3,	3/4	27.5		PERSIAN	24
D 89	12.476	H W			<u>EUTELSAT DIGITAL PLATFORM</u> BBC WORLD SERVICE BALKANS,DAS WEBRADIO,DEUTSCHE WELLE KRISEN RADIO BALKAN,FAMILY RADIO,FAMILY RADIO INTERNATIONAL,RADIO 74,RADIO 74 INTERNATIONAL,RADIO FRAMBOISE NORD,RADIO FRAMBOISE SUD,RADIO PINK (IRDETO),RADIO TOP,RADIO VLAANDEREN INT.,RFI SE EUROPE,SENSE,	3/4	27.5		MULTI	24
D 88	12.484	V W			IBB PRISTINA,RFE / RADIO LIBERTY,VOA EASTERN EUROPE,VOA MUSIC MIX,VOA NEWS NOW,VOICE OF AMERICA,	3/4	8.3		MULTI	24
D 90	12.520	V W			<u>CROATIAN DIGITAL PLATFORM</u> HRT-HR 1,HRT-HR 2,HRT-HR 3,RADIO HRVATSKI,TGRT FM,	3/4	27.5		MULTI	24
D 91	12.539	H W			<u>SKYPLEX</u> HORIZONT,MAGICSTAR,	3/4	27.5		MULTI	24
D 94	12.597	V W			<u>FT GLOBECAST NORTHERN EUROPE</u> BROTHER STATION,CNN RADIO (CLEAR),MBC FM (CLEAR),RADIO 12-16,RADIO SWEDEN,RCI - RADIO CANADA INTERNATIONAL 2 (CLEAR),RTE RADIO,RTE RADIO 1 (CLEAR),THE OVERCOMER (CLEAR),WRN EUROMAX DEUTSCHE (CLEAR),WRN EUROMAX ENGLISH (CLEAR),WRN EUROMAX FRANCAIS (CLEAR),WRN EUROMIX (CLEAR),	3/4	27.5	VIACCESS/IRDE	MULTI	24
D 95	12.615	H W			<u>STREAM</u> ATMOSFERA,CLASSICA BAROCCA,COLONNE SONORE,COUNTRY,DOLCI NOTTE,EVERGREEN,I CLASSICI,LIGHT CLASSIC,LIRICA,MAGIA DALL IRLANDA,MUSICA SINFONICA,MUSICALS,NEW AGE,NEW COUNTRY,NOTTE D'ARABIA,SINFONICA MODERNA,SUONI DALL INDIE,TIME OUT,VOLKSMUSIK,WORLD MUSIC,	3/4	27.5	IRDETO/VIDEOG	ITALIAN	24
D 97	12.654	H W			<u>ARABSAT</u> AL-QURAN AL-KARIM,ARABIC CLASSICS FM,GENERAL ARABIC (RIYADH),OMAN RADIO,QATAR RADIO,RADIO JORDAN,RADIO OMDURMAN,SHARJAH FM,SUDAN RADIO,UAE RADIO DUBAI,	3/4	27.5		ARABIC	24
D 98	12.673	V W			<u>EUTELSAT DIGITAL PLAFORM</u> ANNI 60,COMPANY,KANAL MELODIA,PADRE PIO,RADIO DONNA,RADIO ITALIA,RADIO POPOLARE,RADIO RADIO,RADIO REPORTER,RADIO REPORTER 2,RADIO TOUR,TR BUONCONSIGLIO,	3/4	27.5		MULTI	24
D 99	12.692	H W			<u>Absat</u>	3/4	27.5	VIACCESS/MEDI	FRENCH	24

<i>Tx Freq Pol Beam Channel</i>	<i>Audio MHz</i>	<i>MSys/s</i>	<i>Access</i>	<i>Lang.</i>	<i>Hrs</i>
<i>(GHz)</i>	<i>FEC</i>				

AB SAT TEST,TRT-FM (CLEAR),

### EUTELSAT II-F4 (28.5° EAST)

D 32	11.554			<u>CZECHLINK</u>	3/4	27.5	CRYPTOWORKS CZECH	24
				CRO1 - RADIOZURNAL (CLEAR),CRO2 - PRAHA (CLEAR),CRO3 - VLTAVA (CLEAR),EUROSPORT,IN-STORE MUSIC 1 (CLEAR),IN-STORE MUSIC 2 (CLEAR),RADOP PROGLAS (CLEAR),				

### W1 (10° EAST)

A B1	10.987	H	EU	NTV RADYO	7.02/7.20,			TURKISH	24
D B1	11.020	H	EU	RADIO XL,	7/8	3.055		TURKISH	24
D B1	11.024	H	EU	OLAY FM,	7/8	2.3		TURKISH	
D B1	11.024	H	EU	RADIO ROMANTIC,	3/4	3.055		ROMANIAN	24
A B3	11.080	H	EU	RADIO MONTENEGRO	7.20,			SERBIAN	5
A B4	11.095	V	EU	TGRT-FM	7.20/7.38,			TURKISH	24
A B4	11.095	V	EU	MORAL FM	7.74,			TURKISH	24
A B6	11.178	V	EU	KRAL FM	7.38/7.56,			TURKISH	24
A B6	11.178	V	EU	METRO FM	7.02/7.20,			TURKISH	24
A B6	11.178	V	EU	SUPER FM	8.10/8.28,			TURKISH	24
D D6	11.586	V	EU	RADYO EGE,	3/4	2.821		TURKISH	24
A D6	11.622	V	EU	DUNA RADIO	7.74/7.92,			TURKISH	24
A D6	11.622	V	EU	BURC FM	7.02/7.20,			TURKISH	24
A D6	11.622	V	EU	RADYO SAHIN	8.10,			TURKISH	24

### W2 (16° EAST)

A B2	10.972	V	W	RTM1 main audio	7.02,			ARABIC	24
A B2	10.972	V	W	RTM BERBER SERVICE	7.56,			ARABIC	24
A B2	10.972	V	W	Arabic radio ?	7.20,			ARABIC	24
A B2	10.972	V	W	RADIO RABAT	7.38,			ARABIC	24
D B1	11.019	H	W	RADIO BOSNA,	3/4	3.123			24
A B4	11.095	V	W	CHAINE 3	7.38,			ARABIC	24
A B4	11.095	V	W	CHAINE 2	7.20,			ARABIC	24
A B4	11.095	V	W	CHAINE THEMATIQUE EL BAHDJA	7.56,			ARABIC	24
A B4	11.095	V	W	CHAINE 1	7.02,			ARABIC	24
A B6	11.148	V	W	RADIO BOSNE I HERCEGOVINE	7.02,			BOSNIAN	4
D C5	11.304	V	W	<u>BRITISH TELECOM</u>	3/4	30	VIDEOGUARD	MULTI	24
				RADIO GEORGIA (CLEAR),					
A C12	11.446	H	W	RADIO QATAR	7.02/7.74,			ARABIC	24
A D1	11.471	V	W	CULTURAL PROGRAM	7.02,			ENGLISH/FRE	24
A D3	11.513	V	W	HOLY KORAN PROGRAME	7.56,			ARABIC	24
A D3	11.513	V	W	VOICE OF THE ARABS	7.20,			ARABIC	24
A D3	11.513	V	W	ERTV MIDDLE EAST RADIO	7.38,			ARABIC	24
A D3	11.516	V	W	GENERAL PROGRAM	7.02,			ARABIC	24
A D5	11.554	V	W	LA VOIX DE L'AFRIQUE	7.20,			ARABIC	24
A D6	11.572	H	W	VOICE OF THE PEOPLE	7.56,			ARABIC	24
A D6	11.572	H	W	SYRIAN RADIO	7.20,			ARABIC	24
A D7	11.599	V	W	RADIO TUNIS INTERNATIONAL	7.02,			ARABIC	
A D7	11.599	V	W	RADIO TUNISIA NATIONAL	7.20,			ARABIC	
D D8	11.617	H	W	<u>PARABOLE REUNION</u>	3/4	29.95	VIACCESS	FRENCH	24
				RADIO CLASSIQUE,RCF,RTL,SPORT O FM,					
D F3	12.608	H	W	<u>SNAI</u>	3/4	27.5		ITALIAN	24
				RETEOTTO,					
D F6	12.703	V	W	<u>TELEGENOVA SAT</u>	3/4	5.923		ITALIAN	24
				RADIO BABBOLEO,					
D F6	12.714	V	W	<u>TV ROMANIA MUX</u>	3/4	9.909		ROMANIAN	24
				RADIO ROMANIA ACTUALITATI,ROMANIA MUZICA,					

### W3 (7° EAST)

D D10	11.658	V	S	<u>DIGITURK</u>	3/4	30	CRYPTOWORKS	TURKISH	24
				ACIK RADYO,ALEM FM,BELLA ITALIA,BEST FM,BLUES,CLASSIC ADVENTURES,CLASSIC FAVOURITES,COUNTRY,DANCE,EASY LISTENING,FILM MUSIC,GOLD,HEAVY ROCK,HIT LIST,IK FM,JAZZ,KISS FM,LATIN,LES TUBES FRANCAIS,LOVE SONGS,MOODS,MUSICALS,NEW AGE,OPERA,POWER FM,PROGRESSIVE DANCE,RADIOMEGA,RADIOSPORT,RADYOMYDONOSE,REG GAE,SHIK FM,SOFT ROCK,SOUL,STANDARDS,SYMPHONIC,WORLD MUSIC,					

<i>Tx Freq</i>	<i>Pol</i>	<i>Beam</i>	<i>Channel</i>	<i>Audio MHz</i>	<i>MSys/s</i>	<i>Access</i>	<i>Lang.</i>	<i>Hrs</i>
(GHz)				FEC				

### EUTELSAT II-F3 (21.5° EAST)

D 25	10.962	V	SS	RADIO PINK (CLEAR),	3/4	2.894	IRDETO	SERBIAN	
A 32	11.557	H	SS	RADIO TIRANA	7.20,				2

### DFS2 FM2 (28.5° EAST)

D A1	11.478	H	W	<u>CZECHLINK</u> CRO 1- RADIO ZURNAL (CLEAR),CRO 2- PRAHA (CLEAR),CRO 3- VLTAVA (CLEAR),IN STORE MUSIC 1 (CLEAR),IN STORE MUSIC 2 (CLEAR),RADIO PROGLAS (CLEAR),	3/4	30	CRYPTOWORKS CZECH		24
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### TELECOM 2A (8° WEST)

D 9	12.627			<u>GLOBECAST</u> FRANCE BLEU (CLEAR),FRANCE INFO (CLEAR),GIFI RADIO (CLEAR),RADIO BUFFALO,SOPHIA (CLEAR),	3/4	27.5	VIACCESS	FRENCH	
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### TELECOM 2D (8° WEST)

D 1A	03.746			<u>GLOBECAST</u> FRANCE INTER,RADIO GUYANE,	3/4	6.654		FRENCH	
D 3	11.556			<u>FSP</u> MAGICSTAR,	3/4	27.5			
D 5	11.652			RADIO MONTENEGRO,	3/4	4.445		SERBIAN	

### EUTELSAT II-F1 (48° EAST)

D 22	11.183	H	W	RTL 102.5,	1/2	4.34		ITALIAN	
D 22	11.188	H	W	RADIO BABY,RADIO COOKY,RADIO DAY CLASSICS,RADIO MCDONALDS,RADIO RINASCENTE,	2/3	1.628		ITALIAN	

### SESAT (36° EAST)

D F2	12.530	V	EU	RADIOSTACJA P4 POLSKA,	3/4	2.1		POLISH	
D F2	12.562	V	EU	RADIO GEORGIA,	2/3	3.254		GEORGIAN	24
D F5	12.688	H	EU	ARMENIAN RADIO,	2/3	3.254		ARMENIAN	24
D F5	12.692	H	EU	TRT-FM,VOICE OF TURKEY FOREIGN SERVICE,VOICE OF TURKEY GENERAL SERVICE,	3/4	30.3			

### W4 (36° EAST)

D 35	12.380	L	RU	<u>NTV PLUS</u> SILVER RAIN,	3/4	27.5	VIACCESS	RUSSIAN	
D 36	12.399	R	RU	<u>NTV PLUS</u> DO - RADIO (CLEAR),ECHO OF MOSCOW (CLEAR),RADIO RDV (CLEAR),SEREBRYANY DOZHD (CLEAR),SILVER RAIN (CLEAR),SPORT FM (CLEAR),	3/4	27.5	VIACCESS	RUSSIAN	
D 38	12.437	H	SA	<u>MULTICHOICE AFRICA</u> 70's HITS,ADULT CONTEMPORARY,AFRICAN RHYTHMS,ALBUM ROCK,BEAUTIFUL INSTRUMENTS,CLASSIC JAZZ,CLASSIC ROCK,CONTEMPORARY INSTRUMENTS,DANCE,FRENCH HITS,HOTTEST HITS,LIGHT CLASSICAL,LIGHT JAZZ,MODERN COUNTRY,OLDIES,REGGAE,ROCK 'n' ROLL,SOFT HITS,SYMPHONIC,URBAN ADULT CONTEMPORARY,URBAN BEAT,	2/3	26.04	IRDETO	ENGLISH	
D 40R	12.476	R	RU	<u>NTV PLUS</u> CNN RADIO,	3/4	27.5	VIACCESS	RUSSIAN	

*Superwide = HOT BIRD 1  
Wide = HOT BIRD 2-5  
Super = HOT BIRD 2-5*

<i>Tx Freq</i> <i>(GHz)</i>	<i>Pol</i>	<i>Beam</i>	<i>Channel</i>	<i>Analogue</i> <i>Digital</i>	<i>Audio MHz</i> <i>FEC</i>	<i>Text</i> <i>MSy/s</i>	<i>Access</i>	<i>Lang.</i>	<i>Hrs</i>
<b>HOT BIRD™ (13° EAST)</b>									
D 116	10.834	V S	<u>TPS</u> CREDIT AGRICOLE TV(MEDIAGUARD),JOUR DE MATCH,LA CHAINE FI(MEDIAGUARD),TPS FOOT,TPS LE TV MAIL,	DVB	2/3	27.5	VIACCESS	FRENCH	24
D 118	10.873	V S	<u>TPS</u> BANDIAGRA,GUIDE LC,	DVB	3/4	27.5	VIACCESS	FRENCH	24
D 120	10.911	V S	<u>TPS</u> LE TV MAIL,BOUTIQUE COFIDIS,INFO EXPRESS TRAIN,METEO EXPRESS,MV CINE,MV SPECTACLE,MV SPORT,	DVB	3/4	27.5	VIACCESS	FRENCH	24
D 121	10.930	H S	<u>NOVA</u> BACKGAMMAN,EUROBANK,KOTSOVOLOS,KTV. GR TV,MAGMA ZONE,MOMORIX,NEWS,REVERSI,SUPERSPORT. GR TV,THE BEE,VIRTUAL BOWLING,WEATHER,	DVB	3/4	27.5	IRDETO	GREEK	24
D 126	11.034	V S	<u>TPS</u> ESPACES ANNONCES,GAMEPLAY,LAST MINUTE,QUIZZI MILLI,RADIO 2000,TPS BOUTIQUES,TPS ET VOUS,	DVB	5/6	29.9	VIACCESS	FRENCH	
D 4	11.283	V SW	<u>CYFRA+</u> CYFRA + GRY,CYFRA+ PODOGA,MAGAZYN +,	DVB	3/4	27.5	MEDIAGUARD	POLISH	
D 158	11.662	V S	<u>TPS</u>	DVB	3/4	27.5	VIACCESS	FRENCH	24
D 56	11.843	V S	<u>STREAM</u> SINT X4,	DVB	3/4	27.5	IRDETO/VIDEOG	MULTI	24
D 58	11.881	V S	<u>STREAM</u> INFO DOKUMENT(CLEAR),SINT x3(CLEAR),	DVB	3/4	27.5	IRDETO/VIDEOG	MULTI	24
D 68	12.073	V S	<u>D+</u>	DVB	3/4	27.5	IRDETO/MEDIAG	ITALIAN	24
D 72	12.149	V W	<u>SITCOM WORLD</u>	DVB	3/4	27.5	CLEAR	ITALIAN	24
D 73	12.168	H W	<u>NOVA</u> CINEMAS,EMERGENCY PHONE LISTS,HOSPITALS,PHARMACIES,THEATRES,	DVB	3/4	27.5	IRDETO	GREEK	24
D 82	12.341	V S	<u>D+</u>	DVB	3/4	27.5	IRDETO/MEDIAG	ITALIAN	24
D 84	12.380	V W	<u>FT-GLOBECAST</u>	DVB	3/4	27.5	VIACCESS/MEDI	MULTI	24
D 89	12.476	H W	<u>EUTELSAT DIGITAL PLATFORM</u> MOUDATA,	DVB	3/4	27.5	CLEAR	MULTI	24
D 91	12.539	H W	<u>SKYPLEX</u> HITCAST S.am,MEDIOLANUM CHANNEL PROMO,SKYGATE 18-8-10-1-600,SKYPLEX 19,SKYPLEX TSP,STREAMWORKS,UDLR,UDLR- UDCAST,WWWDATA,	DVB	3/4	27.5	CLEAR	MULTI	24
D 96	12.635	V W	<u>STREAM</u> STREAM MAIL TV(COMAX),	DVB	3/4	27.5	IRDETO/VIDEOG	ITALIAN	24
D 98	12.673	V W	<u>EUTELSAT DIGITAL PLAFORM</u> INTERNET DA,	DVB	3/4	27.5	CLEAR	MULTI	24
<b>EUTELSAT II-F1 (48° EAST)</b>									
D 32	11.554	H S	GCP INTERNET SERVICE GTC INTERNET SERVICE,	DVB	5/6	3	CLEAR		