1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character Major°	Space Antenna Character Minor°	Space Antenna Character Orient °	Space Antenna	Shap Beam	Space Ant Gain Co-pol	Space Ant Gain X-pol	Earth Antenna	Polarization Typ	Polarization Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-marks
F	F3_A3328	-7 00	6	17423 38	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76.60		33M0F9W	RADIOSAT-3	19	A	
F	F3_D2722	-7 00	6	17423 38	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D2728	-7 00	6	17423 38	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3322	-7 00	6	17423 38	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3328	-7 00	6	17423 38	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
F	NCL10000	140 00	6	17423 38	166 00	-21 00	1 14	0 72	146 00	MODRSS		45 30		MODTES	CL		84 00		27M0F8W		6	P	
F	NCL10001	140 00	6	17423 38	-177 10	-13 60	1 22	0 60	46 00	MODRSS		45 80		MODTES	CL		84.00		27M0F8W		6	P	
F	WAL10200	140 00	6	17423 38	-176 80	-14 00	0 74	0 60	29 00	MODRSS		47 97		MODTES	CL		84.00		27M0F8W		6	P	
F	WAL10201	140 00	6	17423 38	166 10	-21 30	1 31	0 82	133 00	MODRSS		44 16		MODTES	CL		84.00		27M0F8W		6	P	
F /EUT	E2WA7DA2	29 00	6	17423 38	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB2	29 00	6	17423 38	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC2	29 00	6	17423 38	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD2	29 00	6	17423 38	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE2	29 00	6	17423 38	16 30	44 30	5.77	2 96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF2	29 00	6	17423 38	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG2	29 00	6	17423 38	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
FIN	FIN10300	5 00	6	17423 38	17 00	61.50	2 00	1 00	10.00	MODRSS		41.44		MODTES	CR		84.00		27M0F8W			P	
GNB	GNB30400	-30 00	6	17423 38	-15 00	12 00	0 90	0 60	172.00	MODRSS		47.12		MODTES	CR		84.00		27M0F8W			P	
IND	IND04500	56 00	6	17423 38	76 20	19 50	1 58	1 58	21.00	MODRSS		40.47		MODTES	CR		84 00		27M0F8W			P	1
INS	INS02800	80 20	6	17423 38	113 60	-1 40	6 73	3 33	160 00	MODRSS		30.94		MODTES	CR		84.00		27M0F8W			P	
IRL	IRL21100	-33 50	6	17423 38	-8 20	53 20	0.84	0 60	162 00	MODRSS		47 42		MODTES	CL		84.00		27M0F8W			P	5, 6
KOR	KOR11200	110 00	6	17423 38	127 50	36 00	1 24	1 02	168 00	MODRSS		43.43		MODTES	CL		89 00		27M0F8W			P	
LAO	LAO28400	74 00	6	17423 38	103 70	18.10	2 16	0 78	133.00	MODRSS		42.18		MODTES	CR		84.00		27M0F8W			P	
MAU	MAU24200	29 00	6	17423 38	59 80	-18 90	1.62	1.24	55.00	MODRSS		41.42		MODTES	CL		84.00		27M0F8W			P	
MHL	MHL00000	146 00	6	17423 38	167 64	9 83	2.07	0 90	157 42	MODRSS		41.75		MODTES	CL		84.00		27M0F8W			P	
MKD	MKD14800	23 00	6	17423 38	21 53	41 50	0 60	0.60	90.00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W			P	
MLA	MLA22800	86 00	6	17423 38	114 10	3 90	2 34	1.12	45 00	MODRSS		40.26		MODTES	CL		84.00		27M0F8W			P	
MLI	MLI32700	-37 00	6	17423 38	-2 00	19 00	2.66	1 26	127.00	MODRSS		39.19		MODTES	CL		87.00		27M0F8W			P	
NOR	BIFROS22	-0 80	6	17423 38	17.00	61 50	2.00	1.00	10.00	MODRSS		41.00		MODTES	CL		84.00		27M0FXF	BIFROST-2		A	
NZL	CKH05200	158 00	6	17423 38	-161.00	-19.60	1.02	0.64	132.00	MODRSS		46.30		MODTES	CR		84.00		27M0F8W		3	P	
NZL	CKH05201	158 00	6	17423 38	172 30	-39 70	2 88	1.56	47.00	MODRSS		37.92		MODTES	CR		84.00		27M0F8W		3	P	
PAK	PAK12700	38 00	6	17423 38	69 60	29.50	2.30	2 16	14.00	MODRSS		37.49		MODTES	CL		84.00		27M0F8W			P	
SOM	SOM31200	23.00	6	17423 38	45 00	6 40	3 26	1.54	71.00	MODRSS		37.44		MODTES	CL		84.00		27M0F8W			P	
TCD	TCD14300	-13.00	6	17423 38	18 10	15 50	3.40	1.72	107.00	MODRSS		36.78		MODTES	CR		84.00		27M0F8W			P	
TUV	TUV00000	176.00	6	17423 38	177.61	-7.11	0.94	0.60	137.58	MODRSS		46.93		MODTES	CR		84.00		27M0F8W			P	
YEM	YEM26600	11 00	6	17423.38	44 36	15.70	0.77	0.60	104.23	MODRSS		47.78		MODTES	CL		84.00		27M0F8W			P	
ZAI	ZAI32300	-19.00	6	17423.38	21.30	-6 80	2.80	1 52	149.00	MODRSS		38.16		MODTES	CL		84.00		27M0F8W			P	
AFG	AFG24500	50.00	7	17442 56	67.00	34.30	1.89	1.19	18.00	MODRSS		40.93		MODTES	CL		84.00		27M0F8W			P	
AUS	AUS00400	152.00	7	17442 56	135 00	-24.20	7.19	5.20	140.00	MODRSS		28.71		MODTES	CL		87.00		27M0F8W		76	P	
AUS	AUS0040A	152.00	7	17442.56	135.36	-23 95	6.89	4.83	141.15	R123FR		29.23		MODTES	CL		87.00		27M0F8W		76	P	
AUS	AUS0040B	152.00	7	17442.56	135 36	-23.95	6.89	4.83	141.15	R123FR		29.23		MODTES	CL		87.00		27M0F8W		76	P	
AUS	AUS0040C	152.00	7	17442.56	135.36	-23.95	6.89	4.83	141.15	R123FR		29.23		MODTES	CL		87.00		27M0F8W		76	P	
AUS	AUS00700	164 00	7	17442 56	136.00	-23 90	7.26	4.48	132 00	MODRSS		29.32		MODTES	CR		87.00		27M0F8W		77	P	
AUS	AUS0070A	164 00	7	17442.56	136 62	-24.16	6.82	4.20	134.19	R123FR		29.87		MODTES	CR		87.00		27M0F8W		77	P	
BEN	BEN23300	-19 00	7	17442.56	2 20	9 50	1.44	0 88	97.00	MODRSS		44.54		MODTES	CR		84 00		27M0F8W			P	
BRU	BRU3300A	74 00	7	17442 56	114 70	4.40	0.60	0 60	0 00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W			P	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character Major°	Minor°	Orient °	Space Antenna	Shap. Beam	Space Ant. Gain Co-pol	X-pol	Earth Antenna	Polarization Typ	Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Remarks
CHN	CHN15700	62 00	7	17442 56	101 90	33 50	5 10	2 80	143 00	MODRSS		32.90		MODTES	CR		84.00		27M0F8W			P	
CHN	CHN16000	92 00	7	17442 56	108 10	33 70	5.00	4 00	148 00	MODRSS		31 44		MODTES	CR		84 00		27M0F8W			P	
COM	COM20700	29 00	7	17442 56	44 10	-12 10	0 76	0 60	149 00	MODRSS		47.86		MODTES	CR		84.00		27M0F8W			P	
F	F2_A2733	-7 00	7	17442 56	3 88	48 20	0 70	0.70	0 00	MODRSS		41.00		MODTES	CL		84 00		27M0F9W	RADIOSAT-2	19	A	
F /EUT	E2WA7DA1	29 00	7	17442 56	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB1	29 00	7	17442 56	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC1	29 00	7	17442 56	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD1	29 00	7	17442 56	16 30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE1	29 00	7	17442 56	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF1	29 00	7	17442 56	16 30	44 30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG1	29 00	7	17442 56	16 30	44 30	5.77	2.96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
FSM	FSM00000	146 00	7	17442 56	151 67	5 42	5 34	1.51	166.52	MODRSS		35.37		MODTES	CR		84.00		27M0F8W			P	
GAB	GAB26000	-13 00	7	17442 56	11 80	-0 60	1.43	1.12	64 00	MODRSS		42.40		MODTES	CL		84 00		27M0F8W			P	
GMB	GMB30200	-37 00	7	17442 56	-15 10	13 40	0.79	0 60	4.00	MODRSS		47.69		MODTES	CR		83.00		27M0F8W			P	
GRC	GRC10500	5 00	7	17442 56	24 50	38 00	2.03	1.29	159 00	MODRSS		40.27		MODTES	CL		84.00		27M0F8W			P	
IND	IND04700	68 00	7	17442 56	93 30	11.10	1.92	0 60	96.00	MODRSS		43.83		MODTES	CL		84.00		27M0F8W			P	1
INS	INS03600	104 00	7	17442 56	115 20	-1 70	9.14	3.43	170.00	MODRSS		29.48		MODTES	CL		84.00		27M0F8W			P	
IRN	IRN10900	34 00	7	17442 56	54 20	32 40	3 82	1 82	149.00	MODRSS		36.03		MODTES	CR		84 00		27M0F8W			P	
J	000BS-3N	109 85	7	17442 56	134 50	31 50	3 52	3 30	68.00	R13RSS		33.80		R13TES	CR		87.00		27M0F8W	BS-3N	33	AE	
J	J 11100	110 00	7	17442 56	134 50	31 50	3 52	3 30	68.00	R13RSS		33.80		R13TES	CR		87.00		27M0F8W		33	PE	
KIR	KIR00001	176 00	7	17442 56	177 16	-0 79	4.47	1.27	163.00	MODRSS		36.91		MODTES	CL		84.00		27M0F8W			P	
LBN	LBN27900	11 00	7	17442 56	35 90	33 80	0.60	0.60	0.00	MODRSS		48.88		MODTES	CR		84.00		27M0F8W			P	
LBR	LBR24400	-33 50	7	17442 56	-9 30	6 60	1.22	0.70	133.00	MODRSS		45.13		MODTES	CL		84.00		27M0F8W			P	5, 6
LBY	LBY32100	-25 00	7	17442 56	17 50	26 30	3 68	1 84	130.00	MODRSS		36.14		MODTES	CR		84 00		27M0F8W			P	
LIE	LIE25300	-37 00	7	17442 56	9 50	47 10	0 60	0.60	0.00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W			P	
LTU	LTU06100	23 00	7	17442 56	24 02	55 46	0.72	0 60	173.90	MODRSS		48.11		MODTES	CR		84 00		27M0F8W			P	
LUX	LUX11400	-19 00	7	17442 56	6 00	49 80	0 68	0.68	0.00	MODRSS		47.80		MODTES	CL		84.00		27M0F8W			P	
NRU	NRU30900	134 00	7	17442 56	167 00	-0 50	0.60	0 60	0.00	MODRSS		48.88		MODTES	CR		84.00		27M0F8W			P	
POR	POR13300	-30 00	7	17442 56	-8 00	39 60	0 92	0 60	112.00	MODRSS		47.03		MODTES	CR		84.00		27M0F8W			P	
ROU	ROU13600	-1 00	7	17442 56	25 00	45.70	1.38	0.86	155.00	MODRSS		44.85		MODTES	CR		86.00		27M0F8W			P	
SMO	SMO05700	158 00	7	17442 56	-172 30	-13.70	0 60	0 60	0.00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W			P	
SVK	SVK14400	17 00	7	17442 56	19 65	48.69	0 82	0 60	5.20	MODRSS		47.53		MODTES	CL		84.00		27M0F8W			P	
UKR	UKR06300	38 00	7	17442 56	31 82	48 19	2.32	0.95	177.32	MODRSS		41.01		MODTES	CR		84.00		27M0F8W			P	
USA	MRA33200	122 00	7	17442 56	151 10	11 60	6 48	3.49	179 00	MODRSS		30.90		MODTES	CL		87.00		27M0F8W		14	P	
USA	MRA33201	122 00	7	17442 56	-157 50	21.00	2.02	0 60	115 00	MODRSS		43.61		MODTES	CL		87.00		27M0F8W		14	P	
USA	SMA33500	170 00	7	17442 56	-166 30	-0.20	7 97	1.04	72 00	MODRSS		35.26		MODTES	CR		87.00		27M0F8W		13	P	
USA	SMA33501	170 00	7	17442 56	-124 60	39 20	4 43	0.73	132 00	MODRSS		39.35		MODTES	CR		87.00		27M0F8W		13	P	
UZB	UZB07100	44 00	7	17442 56	64 01	41 21	2 67	0 96	163.32	MODRSS		40.37		MODTES	CR		84.00		27M0F8W			P	
VTN	VTN32500	86 00	7	17442 56	108 00	14 80	3.80	1 90	126 00	MODRSS		35 86		MODTES	CR		84.00		27M0F8W			P	
VUT	VUT12800	140 00	7	17442 56	168 00	-16 40	1 52	0.68	87 00	MODRSS		44.30		MODTES	CR		84.00		27M0F8W			P	
ALG	ALG25200	-25 00	8	17461 74	1 50	27 60	3 65	2.94	135.00	MODRSS		34.14		MODTES	CL		84.00		27M0F8W			P	
AND	AND34100	-37 00	8	17461 74	1 60	42 50	0 60	0.60	0.00	MODRSS		48.88		MODTES	CR		84 00		27M0F8W			P	
ARS	ARS00300	17 00	8	17461 74	44.60	23 40	4.21	2.48	145 00	MODRSS		34.26		MODTES	CR		84.00		27M0F8W			P	
AUS	AUS00500	152 00	8	17461 74	135 00	-24 20	7.19	5.20	140.00	MODRSS		28.71		MODTES	CR		87.00		27M0F8W			P	
AUT	AUT01600	-19 00	8	17461 74	12 20	47 50	1 14	0 63	166.00	MODRSS		45.88		MODTES	CR		84 00		27M0F8W			P	
AZE	AZE06400	23 00	8	17461 74	47 47	40 14	0 93	0.60	158.14	MODRSS		46 98		MODTES	CL		84 00		27M0F8W			P	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight		Space Antenna Character.			Space Antenna	Shap Beam	Space Ant Gain		Earth Antenna	Polarization		EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-marks
					Long °	Lat °	Major°	Minor°	Orient °			Co-pol	X-pol		Typ.	Angle							
BUL	BUL02000	-1 00	8	17461 74	25 00	43 00	2 00	2 00	0 00	MODRSS		38 43		MODTES	CL		84 00		27M0F8W			P	
CHN	CHN15600	62 00	8	17461 74	101 90	33 50	5 10	2 80	143.00	MODRSS		32.90		MODTES	CL		84.00		27M0F8W			P	
CHN	CHN17300	92 00	8	17461 74	115 70	27.40	1 14	0 94	99 00	MODRSS		44 15		MODTES	CL		84.00		27M0F8W			P	
EGY	EGY02600	-7 00	8	17461 74	29 70	26 80	2 33	1 72	136 00	MODRSS		38 42		MODTES	CR		86 00		27M0F8W			P	
F	F2_A2744	-7 00	8	17461 74	3 88	48 20	0 70	0.70	0 00	MODRSS		41.00		MODTES	CR		84 00		27M0F9W	RADIOSAT-2	19	A	
F	OCE10100	-160 00	8	17461 74	-145 00	16 30	4 34	3 54	4 00	MODRSS		32.58		MODTES	CR		84 00		27M0F8W			P	
F /EUT	E2WA7DA2	29 00	8	17461 74	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB2	29 00	8	17461 74	16 30	44 30	5 77	2 96	11.00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC2	29 00	8	17461 74	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD2	29 00	8	17461 74	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE2	29 00	8	17461 74	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF2	29 00	8	17461 74	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG2	29 00	8	17461 74	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
G	G 02700	-33 50	8	17461 74	-3 50	53 80	1 84	0 72	142 00	MODRSS		43.23		MODTES	CL		84.00		27M0F8W			P	5, 6
IND	IND04000	56 00	8	17461 74	73 00	25 00	1 82	1 48	58 00	MODRSS		40.14		MODTES	CR		84.00		27M0F8W			P	1
INS	INS02800	80 20	8	17461 74	113 60	-1 40	6 73	3 33	160 00	MODRSS		30 94		MODTES	CR		84.00		27M0F8W			P	
KOR	KOR11200	110 00	8	17461 74	127 50	36 00	1 24	1 02	168.00	MODRSS		43.43		MODTES	CL		89.00		27M0F8W			P	
LAO	LAO28400	74 00	8	17461 74	103 70	18 10	2 16	0 78	133.00	MODRSS		42.18		MODTES	CR		84.00		27M0F8W			P	
MAU	MAU24300	29 00	8	17461 74	56 80	-13 90	1 56	1 38	65.00	MODRSS		41.12		MODTES	CL		84 00		27M0F8W			P	
MDA	MDA06300	38 00	8	17461 74	28 41	46 99	0 60	0 60	90.00	MODRSS		46 88		MODTES	CL		84.00		27M0F8W			P	
MLA	MLA22800	66 00	8	17461 74	114 10	3 90	2.34	1.12	45.00	MODRSS		40.26		MODTES	CL		84.00		27M0F8W			P	
MLD	MLD3060A	44 00	8	17461 74	73 10	6 00	0 96	0 60	90 00	MODRSS		46.84		MODTES	CR		84.00		27M0F8W			P	
MLI	MLI32800	-37 00	8	17461 74	-7 60	13 20	1 74	1 24	171.00	MODRSS		41.11		MODTES	CL		87 00		27M0F8W			P	
MLT	MLT14700	-13 00	8	17461 74	14 30	35 90	0 60	0.60	0 00	MODRSS		46 86		MODTES	CL		84 00		27M0F8W			P	
NZL	CKH05300	158 00	8	17461.74	-161 00	-19 80	1.00	0.60	132 00	MODRSS		46.67		MODTES	CR		84.00		27M0F8W		4	P	
NZL	CKH05301	158 00	8	17461 74	172 30	-39 70	2 88	1.56	47.00	MODRSS		37.92		MODTES	CR		84.00		27M0F8W		4	P	
PAK	PAK28300	38 00	8	17461.74	74 70	33 90	1.34	1.13	160.00	MODRSS		42.65		MODTES	CL		84 00		27M0F8W			P	
PLW	PLW00000	146 00	8	17461 74	132 99	5 52	1.29	0 60	55.84	MODRSS		45.55		MODTES	CL		84 00		27M0F8W			P	
RRW	RRW31000	11 00	8	17461 74	30.00	-2 10	0.66	0 60	42.00	MODRSS		48.47		MODTES	CR		84.00		27M0F8W			P	
S	S 13800	5 00	8	17461 74	17 00	61 50	2.00	1.00	10.00	MODRSS		41.44		MODTES	CR		84 00		27M0F8W		27	P	
S	SIRIUS01	5 20	8	17461 74	14 00	63 00	1.30	0.70	142 00	R13RSS		43.00		R13TES	CL		84.00		27M0F8W	SIRIUS	27	AE	
SVN	SVN14800	34 00	8	17461 74	15 01	46 18	0.60	0 60	90.00	MODRSS		46.88		MODTES	CL		84.00		27M0F8W			P	
ZAI	ZAI32200	-19 00	8	17461 74	22 40	0 00	2 16	1 88	48 00	MODRSS		38.36		MODTES	CL		84.00		27M0F8W			P	
AFG	AFG24600	50 00	9	17480 92	67 00	34 30	1 89	1.19	18.00	MODRSS		40.93		MODTES	CL		84.00		27M0F8W			P	
BLR	BLR06200	38 00	9	17480 92	28 04	53 18	1.17	0 60	9.68	MODRSS		45 96		MODTES	CR		84.00		27M0F8W			P	
BTN	BTN03100	86 00	9	17480 92	90 44	27 05	0 72	0.60	175.47	MODRSS		48 11		MODTES	CL		84.00		27M0F8W			P	
CHN	CHN15500	62.00	9	17480 92	101 90	33 50	5 10	2 80	143.00	MODRSS		32.90		MODTES	CR		84.00		27M0F8W			P	
CHN	CHN16200	92 00	9	17480 92	108 10	33 70	5 00	4 00	148 00	MODRSS		31.44		MODTES	CR		84.00		27M0F8W			P	
CHN	CHN16500	79 80	9	17480 92	111 40	41 80	1 58	1.20	15.00	MODRSS		41.67		MODTES	CL		84.00		27M0F8W			P	
CHN	CHN19000	122 00	9	17480 92	114 17	23 32	0.91	0 60	2.88	MODRSS		47.08		MODTES	CL		84.00		27M0F8W			P	
CME	CME30000	-13 00	9	17480 92	12.70	6 20	2.54	1 68	87.00	MODRSS		38.15		MODTES	CL		84.00		27M0F8W			P	
E	E 12900	-30.00	9	17480 92	-3 10	39 90	2 10	1 14	154 00	MODRSS		40.66		MODTES	CR		84.00		27M0F8W		17	P	
E	HISPASA4	-30 00	9	17480 92	-3 10	39 90					ECO	43.00	18.70	R13TES	CR		82.50		27M0F8W	HISPASAT-1	17	AE	
E	HISPASA6	-30 00	9	17480 92	-3 10	39 90					ECO	43 00	18.70	R13TES	CR		83.50		27M0F8W	HISPASAT-1	17	AE	
EST	EST06100	23 00	9	17480 92	25 36	59 31	0.68	0 60	2.17	MODRSS		48.37		MODTES	CR		84 00		27M0F8W			P	
F	F 09300	-19 00	9	17480 92	2 60	45 90	2.50	0 98	160 00	R13RSS		40.56		R13TES	CL		84 00		27M0F8W		19	PE	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character. Major°	Space Antenna Character. Minor°	Space Antenna Character. Orient °	Space Antenna	Shap. Beam	Space Ant. Gain Co-pol.	Space Ant. Gain X-pol.	Earth Antenna	Polarization Typ	Polarization Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Remarks
F /EUT	E2WA7DA1	29 00	9	17480 92	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB1	29 00	9	17480 92	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC1	29 00	9	17480 92	16 30	44 30	5 77	2.96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD1	29 00	9	17480 92	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE1	29 00	9	17480 92	16 30	44 30	5.77	2.96	11.00	R13RSS		32 50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF1	29 00	9	17480 92	16 30	44 30	5.77	2 96	11.00	R13RSS		32 50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG1	29 00	9	17480 92	16.30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
FJI	FJI19300	152 00	9	17480 92	179 40	-17 90	1 04	0.98	67 00	MODRSS		44.36		MODTES	CL		84.00		27M0F8W			P	
GUI	GUI19200	-37 00	9	17480 92	-11 00	10 20	1.58	1.04	147.00	MODRSS		42.29		MODTES	CR		85 00		27M0F8W			P	
HRV	HRV14800	34 00	9	17480 92	16 74	44 54	0 88	0 69	5 30	MODRSS		46.57		MODTES	CR		84.00		27M0F8W			P	
IND	IND03900	56 00	9	17480 92	72 70	11 20	1.26	0.60	107.00	MODRSS		45.66		MODTES	CL		84.00		27M0F8W			P	1
INS	INS03500	104 00	9	17480 92	115 20	-1.70	9 14	3.43	170.00	MODRSS		29.48		MODTES	CL		84.00		27M0F8W			P	
J	000BS-3N	109 85	9	17480 92	134 50	31 50	3 52	3.30	68 00	R13RSS		33.80		R13TES	CR		87.00		27M0F8W	BS-3N	33	AE	
J	J 11100	110 00	9	17480 92	134 50	31.50	3 52	3.30	68 00	R13RSS		33.80		R13TES	CR		87.00		27M0F8W		33	PE	
LBY	LBY28000	-25 00	9	17480 92	17 50	26 30	3 68	1 84	130 00	MODRSS		36.14		MODTES	CR		84.00		27M0F8W			P	
MDG	MDG23600	29 00	9	17480 92	46 20	-18 60	2 57	0 60	67 00	MODRSS		41.32		MODTES	CR		84 00		27M0F8W			P	
NZL	NZL05500	158 00	9	17480 92	172 30	-39 70	2.88	1.56	47.00	MODRSS		37.92		MODTES	CL		84.00		27M0F8W			P	
POL	POL13200	-1 00	9	17480 92	17 20	51 60	2.00	2 00	0 00	MODRSS		38.43		MODTES	CR		87.00		27M0F8W			P	
QAT	QAT24700	17 00	9	17480 92	51 10	25 30	0 60	0 60	0 00	MODRSS		48.88		MODTES	CL		84 00		27M0F8W			P	
SLM	SLM00000	146 00	9	17480 92	159 32	-8 40	1.50	1.18	140.48	MODRSS		41.98		MODTES	CR		84 00		27M0F8W			P	
SMR	SMR31100	-37 00	9	17480 92	12 50	43 90	0.60	0.60	0.00	MODRSS		48.88		MODTES	CL		83.00		27M0F8W			P	
SWZ	SWZ31300	-1 00	9	17480 92	31 50	-26.50	0.62	0.60	66 00	MODRSS		48.74		MODTES	CL		82.00		27M0F8W			P	
THA	THA14200	74 00	9	17480 92	100 70	13 20	2.82	1.54	106.00	MODRSS		38.07		MODTES	CL		84.00		27M0F8W			P	
TJK	TJK06900	44 00	9	17480 92	71 14	38 37	1 25	0.76	159.15	MODRSS		44.65		MODTES	CR		84.00		27M0F8W			P	
TUR	TUR14500	5 00	9	17480 92	34 30	39 00	3.13	1.38	168.00	MODRSS		38.09		MODTES	CL		84.00		27M0F8W			P	
TZA	TZA22500	11 00	9	17480 92	34 60	-6 20	2.41	1.72	129.00	MODRSS		38.27		MODTES	CL		84.00		27M0F8W			P	
USA	PLM33700	170 00	9	17480 92	-166 30	-0 20	7.97	1.04	72.00	MODRSS		35.26		MODTES	CL		87.00		27M0F8W		9	P	
USA	PLM33701	170 00	9	17480 92	-124 80	39.10	4.43	0.73	132.00	MODRSS		39.35		MODTES	CL		87.00		27M0F8W		9	P	
USA	WAK33400	140 00	9	17480 92	152 50	11.70	7.89	3.52	0.00	MODRSS		30.01		MODTES	CR		87.00		27M0F8W		11	P	
USA	WAK33401	140 00	9	17480 92	-157 50	21 00	1.63	0.67	131.00	MODRSS		44.06		MODTES	CL		87.00		27M0F8W		11	P	
YUG	YUG14800	-7 00	9	17480 92	20 50	43 98	0 91	0.60	145.16	MODRSS		47.07		MODTES	CL		84.00		27M0F8W			P	
	YYY00001	11 00	9	17480 92	34 99	31 86	0 60	0 60	0.00	MODRSS		48.88		MODTES	CR		84.00		27M0F8W			P	8
ALG	ALG25100	-25 00	10	17500 10	1 50	27 60	3 65	2.94	135.00	MODRSS		34.14		MODTES	CL		84.00		27M0F8W			P	
ARS	ARS27500	17 00	10	17500 10	44 60	23.40	4.21	2.48	145.00	MODRSS		34.26		MODTES	CR		84.00		27M0F8W			P	
AUS	AUS00800	164 00	10	17500 10	136 00	-23 90	7.26	4.48	132.00	MODRSS		29.32		MODTES	CL		87.00		27M0F8W			P	
BIH	BIH14800	34.00	10	17500 10	17.77	44 32	0.62	0 60	166.84	MODRSS		48.71		MODTES	CL		84 00		27M0F8W			P	
BOT	BOT29700	-1 00	10	17500 10	23 30	-22 20	2 13	1.50	36.00	MODRSS		39.40		MODTES	CR		85.00		27M0F8W			P	
CHN	CHN15400	62 00	10	17500 10	101 90	33 50	5 10	2 80	143.00	MODRSS		32.90		MODTES	CL		84.00		27M0F8W			P	
CHN	CHN17100	92 00	10	17500.10	117.20	32 00	1.20	0.74	126.00	MODRSS		44.96		MODTES	CL		84.00		27M0F8W			P	
CHN	CHN18700	79 80	10	17500 10	106 60	26 70	1.14	0.94	179.00	MODRSS		44.15		MODTES	CR		84.00		27M0F8W			P	
CLN	CLN21900	50 00	10	17500 10	80 60	7.70	1.18	0.60	106.00	MODRSS		45.95		MODTES	CL		84.00		27M0F8W			P	
D	D 08700	-19 00	10	17500 10	9 60	49.90	1 62	0.72	147.00	MODRSS		43.78		MODTES	CR		84.00		27M0F8W			P	2
F	F2_A2722	-7.00	10	17500 10	3 88	48 20	0.70	0.70	0.00	MODRSS		41.00		MODTES	CR		84 00		27M0F9W	RADIOSAT-2	19	A	
F	F2aA2722	-7 00	10	17500 10	3 88	48.20	0 70	0.70	0.00	MODRSS		41.00		MODTES	CR		76.60		27M0F9W	RADIOSAT-2	19	A	
F	F2aA2728	-7 00	10	17500 10	3 88	48 20	0 70	0.70	0 00	MODRSS		41.00		MODTES	CR		76.60		27M0F9W	RADIOSAT-2	19	A	
F	F3_A2722	-7 00	10	17500 10	3 88	48 20	0.70	0.70	0.00	MODRSS		41.00		MODTES	CR		76 60		27M0F9W	RADIOSAT-3	19	A	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character Major°	Space Antenna Character Minor°	Space Antenna Character Orient °	Space Antenna	Shap. Beam	Space Ant Gain Co-pol	Space Ant Gain X-pol.	Earth Antenna	Polarization Typ	Polarization Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Remarks
	F3_A2728	-7 00	10	17500 10	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		27M0F9W	RADIOSAT-3	19	A	
	F3_A3322	-7 00	10	17500 10	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		33M0F9W	RADIOSAT-3	19	A	
	F3_A3328	-7 00	10	17500 10	3 88	48 20	0 70	0 70	0.00	MODRSS		41.00		MODTES	CR		76 60		33M0F9W	RADIOSAT-3	19	A	
	F3_D2722	-7 00	10	17500 10	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
	F3_D2728	-7 00	10	17500 10	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
	F3_D3322	-7 00	10	17500 10	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
	F3_D3328	-7 00	10	17500 10	3 88	48 20	0 70	0 70	0.00	MODRSS		41 00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
	NCL10000	140 00	10	17500 10	166 00	-21 00	1 14	0 72	146 00	MODRSS		45.30		MODTES	CL		84 00		27M0F8W		6	P	
	NCL10001	140 00	10	17500 10	-177 10	-13 60	1 22	0 60	46 00	MODRSS		45 80		MODTES	CL		84 00		27M0F8W		6	P	
	WAL10200	140 00	10	17500 10	-176 80	-14 00	0.74	0.60	29.00	MODRSS		47.97		MODTES	CL		84.00		27M0F8W		6	P	
	WAL10201	140 00	10	17500 10	166 10	-21 30	1.31	0 82	133 00	MODRSS		44 16		MODTES	CL		84 00		27M0F8W		6	P	
/EUT	E2WA7DA2	29 00	10	17500 10	16 30	44 30	5 77	2 96	11.00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DB2	29 00	10	17500 10	16 30	44 30	5 77	2.96	11.00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DC2	29 00	10	17500 10	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DD2	29 00	10	17500 10	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DE2	29 00	10	17500 10	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DF2	29 00	10	17500 10	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DG2	29 00	10	17500 10	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
IN	FIN10300	5 00	10	17500 10	17 00	61 50	2 00	1 00	10 00	MODRSS		41.44		MODTES	CR		84 00		27M0F8W			P	
NB	GNB30400	-30 00	10	17500 10	-15 00	12 00	0 90	0 60	172 00	MODRSS		47.12		MODTES	CR		84.00		27M0F8W			P	
ND	IND03700	68 00	10	17500 10	93 00	25.50	1 46	1 13	40 00	MODRSS		42 27		MODTES	CR		84 00		27M0F8W			P	1
RL	IRL21100	-33 50	10	17500 10	-8 20	53 20	0 84	0 60	162 00	MODRSS		47 42		MODTES	CL		84 00		27M0F8W			P	5, 6
OR	KOR11200	110 00	10	17500 10	127 50	36 00	1 24	1 02	168 00	MODRSS		43 43		MODTES	CL		89 00		27M0F8W			P	
AO	LAO26400	74 00	10	17500 10	103 70	18 10	2.16	0 78	133 00	MODRSS		42 18		MODTES	CR		84 00		27M0F8W			P	
IAU	MAU24200	29 00	10	17500 10	59 80	-18 90	1.62	1 24	55 00	MODRSS		41.42		MODTES	CL		84 00		27M0F8W			P	
IHL	MHL00000	146 00	10	17500 10	167 64	9 83	2 07	0 90	157 42	MODRSS		41 75		MODTES	CL		84 00		27M0F8W			P	
IKD	MKD14800	23 00	10	17500 10	21.53	41.50	0.60	0 60	90 00	MODRSS		48.88		MODTES	CL		84 00		27M0F8W			P	
ILA	MLA2280A	86 00	10	17500 10	114 10	3 90	2 34	1.12	45 00	MODRSS		40.26		MODTES	CL		84 00		27M0F8W			P	
ILI	MLI32700	-37 00	10	17500 10	-2 00	19 00	2.66	1 26	127 00	MODRSS		39 19		MODTES	CL		87.00		27M0F8W			P	
IOR	BIFROS22	-0.80	10	17500 10	17.00	61.50	2.00	1.00	10.00	MODRSS		41.00		MODTES	CL		84.00		27M0FXF	BIFROST-2		A	
IZL	CKH05200	158 00	10	17500 10	-161 00	-19 80	1.02	0 84	132 00	MODRSS		46.30		MODTES	CR		84.00		27M0F8W		3	P	
IZL	CKH05201	158 00	10	17500 10	172 30	-39 70	2.88	1.56	47.00	MODRSS		37.92		MODTES	CR		84.00		27M0F8W		3	P	
AK	PAK12700	38 00	10	17500 10	69 60	29.50	2.30	2.16	14 00	MODRSS		37 49		MODTES	CL		84 00		27M0F8W			P	
OM	SOM31200	23 00	10	17500 10	45.00	6.40	3.26	1.54	71 00	MODRSS		37.44		MODTES	CL		84.00		27M0F8W			P	
CD	TCD14300	-13 00	10	17500 10	18 10	15.50	3.40	1.72	107.00	MODRSS		36 78		MODTES	CR		84 00		27M0F8W			P	
UV	TUV00000	176 00	10	17500 10	177 61	-7 11	0.94	0.60	137 58	MODRSS		46.93		MODTES	CR		84.00		27M0F8W			P	
EM	YEM26600	11 00	10	17500 10	44 36	15 70	0.77	0.60	104 23	MODRSS		47.78		MODTES	CL		84 00		27M0F8W			P	
AI	ZAI32300	-19.00	10	17500 10	21.30	-6 80	2.80	1.52	149.00	MODRSS		38.16		MODTES	CL		84 00		27M0F8W			P	
FG	AFG24500	50 00	11	17519 28	67.00	34.30	1 89	1.19	18 00	MODRSS		40 93		MODTES	CL		84.00		27M0F8W			P	
US	AUS00400	152 00	11	17519 28	135 00	-24 20	7.19	5.20	140.00	MODRSS		28 71		MODTES	CL		87.00		27M0F8W		76	P	
US	AUS0040A	152 00	11	17519 28	135 36	-23 95	6 89	4.83	141.15	R123FR		29 23		MODTES	CL		87.00		27M0F8W		76	P	
US	AUS0040B	152 00	11	17519 28	135.36	-23 95	6 89	4.83	141.15	R123FR		29 23		MODTES	CL		87 00		27M0F8W		76	P	
US	AUS0040C	152 00	11	17519 28	135 36	-23 95	6 89	4 83	141.15	R123FR		29 23		MODTES	CL		87 00		27M0F8W		76	P	
US	AUS00700	164 00	11	17519 28	136 00	-23 90	7.26	4 48	132 00	MODRSS		29.32		MODTES	CR		87 00		27M0F8W		77	P	
US	AUS0070A	164.00	11	17519 28	136 62	-24 16	6 82	4 20	134.19	R123FR		29.87		MODTES	CR		87.00		27M0F8W		77	P	
EN	BEN23300	-19 00	11	17519 28	2 20	9 50	1 44	0 68	97.00	MODRSS		44 54		MODTES	CR		84 00		27M0F8W			P	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character Major°	Minor°	Orient °	Space Antenna	Shap Beam	Space Ant Gain Co-pol	X-pol	Earth Antenna	Polarization Typ	Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-marks
BRU	BRU3300A	74 00	11	17519 28	114 70	4 40	0 60	0 60	0 00	MODRSS		48 88		MODTES	CL		84 00		27M0F8W			P	
CHN	CHN15700	62 00	11	17519 28	101 90	33 50	5 10	2 80	143 00	MODRSS		32 90		MODTES	CR		84 00		27M0F8W			P	
CHN	CHN16000	92 00	11	17519 28	108 10	33 70	5 00	4 00	148 00	MODRSS		31 44		MODTES	CR		84 00		27M0F8W			P	
COM	COM20700	29 00	11	17519 28	44 10	-12 10	0 76	0 60	149 00	MODRSS		47 86		MODTES	CR		84 00		27M0F8W			P	
F	F2_A2733	-7 00	11	17519 28	3 86	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CL		84.00		27M0F9W	RADIOSAT-2	19	A	
F /EUT	E2WA7DA1	29 00	11	17519 28	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB1	29 00	11	17519 28	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC1	29 00	11	17519 28	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD1	29 00	11	17519 28	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE1	29 00	11	17519 28	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF1	29 00	11	17519 28	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG1	29 00	11	17519 28	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
FSM	FSM00000	146 00	11	17519 28	151 67	5 42	5 34	1 51	166 52	MODRSS		35 37		MODTES	CR		84 00		27M0F8W			P	
GAB	GAB26000	-13 00	11	17519 28	11 80	-0 60	1 43	1 12	64 00	MODRSS		42.40		MODTES	CL		84 00		27M0F8W			P	
GMB	GMB30200	-37 00	11	17519 28	-15 10	13 40	0 79	0 60	4 00	MODRSS		47 69		MODTES	CR		83 00		27M0F8W			P	
GRC	GRC10500	5 00	11	17519 28	24 50	38 00	2 03	1.29	159 00	MODRSS		40 27		MODTES	CL		84 00		27M0F8W			P	
IND	IND04300	58 00	11	17519 28	77 80	11 10	1 36	1 28	172 00	MODRSS		42.04		MODTES	CL		84 00		27M0F8W			P	1
INS	INS03600	104 00	11	17519 28	115 20	-1 70	9 14	3.43	170 00	MODRSS		29 48		MODTES	CL		84 00		27M0F8W			P	
IRN	IRN10900	34 00	11	17519 28	54 20	32 40	3 82	1.82	149 00	MODRSS		38 03		MODTES	CR		84 00		27M0F8W			P	
J	000BS-3N	109 85	11	17519 28	134 50	31 50	3 52	3.30	68 00	R13RSS		33.80		R13TES	CR		87 00		27M0F8W	BS-3N	33	AE	
J	J 11100	110 00	11	17519 28	134 50	31.50	3 52	3 30	68.00	R13RSS		33 80		R13TES	CR		87.00		27M0F8W		33	PE	
KIR	KIR00001	176 00	11	17519 28	177 16	-0 79	4 47	1.27	163.00	MODRSS		36.91		MODTES	CL		84 00		27M0F8W			P	
LBN	LBN27900	11 00	11	17519 28	35.90	33 80	0 60	0 60	0 00	MODRSS		48.88		MODTES	CR		84 00		27M0F8W			P	
LBR	LBR24400	-33 50	11	17519 28	-9.30	6 60	1.22	0 70	133.00	MODRSS		45 13		MODTES	CL		84.00		27M0F8W			P	5, 6
LBY	LBY32100	-25 00	11	17519 28	17 50	26 30	3 68	1 84	130.00	MODRSS		36.14		MODTES	CR		84 00		27M0F8W			P	
LIE	LIE25300	-37.00	11	17519 28	9 50	47.10	0 60	0 60	0.00	MODRSS		48 88		MODTES	CL		84.00		27M0F8W			P	
LTU	LTU06100	23 00	11	17519 28	24.02	55.46	0 72	0.60	173.90	MODRSS		48.11		MODTES	CR		84 00		27M0F8W			P	
LUX	LUX11400	-19.00	11	17519 28	6.00	49 80	0.68	0.68	0.00	MODRSS		47.80		MODTES	CL		84 00		27M0F8W			P	
NRU	NRU30900	134 00	11	17519.28	167.00	-0 50	0.60	0 60	0.00	MODRSS		48.88		MODTES	CR		84 00		27M0F8W			P	
POR	POR13300	-30 00	11	17519 28	-8.00	39 60	0.92	0.60	112.00	MODRSS		47 03		MODTES	CR		84 00		27M0F8W			P	
ROU	ROU13600	-1 00	11	17519 28	25 00	45.70	1.38	0.66	155.00	MODRSS		44 85		MODTES	CR		86.00		27M0F8W			P	
SMO	SMO05700	158.00	11	17519 28	-172.30	-13.70	0 60	0.60	0.00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W			P	
SVK	SVK14400	17.00	11	17519 28	19.65	48.69	0.82	0 60	5.20	MODRSS		47.53		MODTES	CL		84 00		27M0F8W			P	
UKR	UKR06300	38.00	11	17519.28	31.82	46.19	2.32	0.95	177.32	MODRSS		41.01		MODTES	CR		84.00		27M0F8W			P	
USA	MRA33200	122 00	11	17519 28	151.10	11.60	6.48	3.49	179.00	MODRSS		30.90		MODTES	CL		87.00		27M0F8W		14	P	
USA	MRA33201	122.00	11	17519 28	-157.50	21.00	2.02	0.60	115.00	MODRSS		43.61		MODTES	CL		87 00		27M0F8W		14	P	
USA	SMA33500	170.00	11	17519 28	-166.30	-0.20	7.97	1.04	72.00	MODRSS		35.26		MODTES	CR		87 00		27M0F8W		13	P	
USA	SMA33501	170.00	11	17519.28	-124.80	39.20	4.43	0.73	132.00	MODRSS		39.35		MODTES	CR		87.00		27M0F8W		13	P	
UZB	UZB07100	44 00	11	17519 28	64 01	41.21	2.67	0.96	163.32	MODRSS		40.37		MODTES	CR		84 00		27M0F8W			P	
VTN	VTN32500	86.00	11	17519 28	108.00	14.80	3.80	1.90	126.00	MODRSS		35.86		MODTES	CR		84 00		27M0F8W			P	
VUT	VUT12800	140.00	11	17519 28	168.00	-16.40	1.52	0.68	87.00	MODRSS		44.30		MODTES	CR		84 00		27M0F8W			P	
ALG	ALG25200	-25 00	12	17538.46	1.50	27.60	3.65	2.94	135.00	MODRSS		34 14		MODTES	CL		84.00		27M0F8W			P	
AND	AND34100	-37.00	12	17538 46	1 60	42.50	0.60	0.60	0.00	MODRSS		48.88		MODTES	CR		84.00		27M0F8W			P	
ARS	ARS00300	17.00	12	17538.46	44 60	23.40	4.21	2.48	145.00	MODRSS		34 26		MODTES	CR		84.00		27M0F8W			P	
AUS	AUS00500	152.00	12	17538.46	135 00	-24.20	7 19	5.20	140 00	MODRSS		28.71		MODTES	CR		87.00		27M0F8W			P	
AUT	AUT01600	-19 00	12	17538 46	12 20	47 50	1 14	0 63	166.00	MODRSS		45.88		MODTES	CR		84 00		27M0F8W			P	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character Major°	Space Antenna Character Minor°	Space Antenna Character Orient °	Space Antenna	Shap Beam	Space Ant Gain Co-pol	Space Ant Gain X-pol	Earth Antenna	Polarization Typ	Polarization Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-marks
AZE	AZE08400	23 00	12	17538 46	47 47	40 14	0 93	0 60	158 14	MODRSS		46 98		MODTES	CL		84 00		27M0F8W			P	
BGD	BGD22000	74 00	12	17538 46	90 30	23 60	1 46	0 84	135 00	MODRSS		43 56		MODTES	CR		84 00		27M0F8W			P	
BUL	BUL02000	-1 00	12	17538 46	25 00	43 00	2 00	2 00	0 00	MODRSS		38 43		MODTES	CL		84 00		27M0F8W			P	
CHN	CHN15600	62 00	12	17538 46	101 90	33 50	5 10	2 80	143 00	MODRSS		32 90		MODTES	CL		84 00		27M0F8W			P	
CHN	CHN17000	92 00	12	17538 46	119 50	33 00	1 34	0 64	155 00	MODRSS		45 11		MODTES	CL		84 00		27M0F8W			P	
CHN	CHN17800	79 80	12	17538 46	111 50	27 40	1 22	0 86	130 00	MODRSS		44 24		MODTES	CR		84 00		27M0F8W			P	
DNK	DNK08900	5 00	12	17538 46	17 00	61 50	2 00	1 00	10 00	MODRSS		41 44		MODTES	CR		84.00		27M0F8W		28	P	
EGY	EGY02600	-7 00	12	17538 46	29 70	26 80	2 33	1 72	136 00	MODRSS		38 42		MODTES	CR		86 00		27M0F8W			P	
	F2_A2744	-7 00	12	17538 46	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		84 00		27M0F9W	RADIOSAT-2	19	A	
	OCE10100	-160 00	12	17538 46	-145 00	-16 30	4 34	3 54	4 00	MODRSS		32 58		MODTES	CR		84 00		27M0F8W			P	
/EUT	E2WA7DA2	29 00	12	17538 46	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DB2	29 00	12	17538 46	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DC2	29 00	12	17538 46	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DD2	29 00	12	17538 46	16 30	44 30	5 77	2 96	11.00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DE2	29 00	12	17538 46	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DF2	29 00	12	17538 46	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DG2	29 00	12	17538 46	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
G	G 02700	-33 50	12	17538 46	-3 50	53 80	1 84	0 72	142 00	MODRSS		43 23		MODTES	CL		84 00		27M0F8W			P	5, 6
IND	IND04800	68 00	12	17538 46	86 20	25 00	1 56	0 90	120 00	MODRSS		42 97		MODTES	CR		86.00		27M0F8W			P	1
KOR	KOR11200	110 00	12	17538 46	127 50	36 00	1 24	1 02	168 00	MODRSS		43 43		MODTES	CL		89 00		27M0F8W			P	
MAU	MAU24300	29 00	12	17538 46	56 80	-13 90	1 56	1 38	65 00	MODRSS		41 12		MODTES	CL		84 00		27M0F8W			P	
MDA	MDA06300	38 00	12	17538.46	28 41	46 99	0 60	0 60	90.00	MODRSS		48 88		MODTES	CL		84 00		27M0F8W			P	
MLD	MLD30600	44 00	12	17538 46	73 10	6 00	0 96	0 60	90 00	MODRSS		46.84		MODTES	CR		84 00		27M0F8W			P	
MLI	MLI32800	-37.00	12	17538 46	-7 60	13 20	1 74	1 24	171 00	MODRSS		41.11		MODTES	CL		87 00		27M0F8W			P	
MLT	MLT14700	-13 00	12	17538.46	14 30	35 90	0 60	0 60	0 00	MODRSS		48 88		MODTES	CL		84 00		27M0F8W			P	
NZL	CKH05300	158 00	12	17538 46	-161 00	-19 80	1 00	0 60	132 00	MODRSS		46.67		MODTES	CR		84 00		27M0F8W		4	P	
NZL	CKH05301	158 00	12	17538 46	172 30	-39 70	2 88	1 56	47.00	MODRSS		37 92		MODTES	CR		84.00		27M0F8W		4	P	
PAK	PAK21000	38 00	12	17538 46	72 10	30 80	1.16	0.72	90.00	MODRSS		45.23		MODTES	CL		84.00		27M0F8W			P	
PLW	PLW00000	146 00	12	17538.46	132 99	5 52	1 29	0 60	55 84	MODRSS		45.55		MODTES	CL		84 00		27M0F8W			P	
RRW	RRW31000	11.00	12	17538.46	30.00	-2 10	0.66	0.60	42.00	MODRSS		48.47		MODTES	CR		84 00		27M0F8W			P	
S	SIRIUS02	5 20	12	17538.46	14.00	63 00	1 30	0.70	142.00	R13RSS		43.00		R13TES	CL		84 00		27M0F8W	SIRIUS	28	AE	
SVN	SVN14800	34 00	12	17538.46	15.01	46.18	0.60	0.60	90.00	MODRSS		48 88		MODTES	CL		84.00		27M0F8W			P	
ZAI	ZAI32200	-19 00	12	17538 46	22.40	0 00	2.16	1 88	48.00	MODRSS		38.36		MODTES	CL		84 00		27M0F8W			P	
AFG	AFG24600	50 00	13	17557.64	67 00	34 30	1.89	1.19	18.00	MODRSS		40 93		MODTES	CL		84 00		27M0F8W			P	
BLR	BLR06200	38.00	13	17557.64	28 04	53.18	1 17	0.60	9.68	MODRSS		45.96		MODTES	CR		84 00		27M0F8W			P	
BTN	BTN03100	86.00	13	17557.64	90.44	27.05	0.72	0.60	175.47	MODRSS		46.11		MODTES	CL		84 00		27M0F8W			P	
CHN	CHN15501	62.00	13	17557.64	88 30	31.50	3.38	1.45	102.00	MODRSS		37.54		MODTES	CR		84 00		27M0F8W			P	
CHN	CHN18000	92.00	13	17557.64	113.10	23 10	4.70	3 50	96.00	MODRSS		32.29		MODTES	CR		84 00		27M0F8W			P	
CHN	CHN19000	122.00	13	17557.64	114 17	23.32	0 91	0 60	2.88	MODRSS		47.08		MODTES	CL		84.00		27M0F8W			P	
CME	CME30000	-13.00	13	17557.64	12.70	6 20	2 54	1.68	87 00	MODRSS		38.15		MODTES	CL		84 00		27M0F8W			P	
E	E 12900	-30.00	13	17557.64	-3.10	39.90	2 10	1.14	154 00	MODRSS		40 66		MODTES	CR		84 00		27M0F8W		17	P	
E	HISPASA4	-30.00	13	17557 64	-3 10	39 90					ECO	43.00	18 70	R13TES	CR		82 50		27M0F8W	HISPASAT-1	17	AE	
E	HISPASA6	-30 00	13	17557 64	-3 10	39 90					ECO	43.00	18.70	R13TES	CR		83.50		27M0F8W	HISPASAT-1	17	AE	
EST	EST06100	23 00	13	17557.64	25 36	59 31	0 68	0 60	2.17	MODRSS		48 37		MODTES	CR		84.00		27M0F8W			P	
F	F 09300	-19.00	13	17557 64	2 60	45 90	2 50	0 98	160 00	R13RSS		40 56		R13TES	CL		84.00		27M0F8W		19	PE	
F /EUT	E2WA7DA1	29 00	13	17557 64	16 30	44.30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position*	Channel	Centre Frequency	Boresight Long *	Boresight Lat *	Space Antenna Character Major*	Space Antenna Character Minor*	Space Antenna Character Orient *	Space Antenna	Shap Beam	Space Ant Gain Co-pol	Space Ant Gain X-pol	Earth Antenna	Polarization Typ	Polarization Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-marks
F /EUT	E2WA7DB1	29 00	13	17557 64	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC1	29 00	13	17557 64	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD1	29 00	13	17557 64	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE1	29 00	13	17557 64	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF1	29 00	13	17557 64	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG1	29 00	13	17557 64	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
FJI	FJI1930A	152 00	13	17557 64	179 40	-17 90	1 04	0 98	67 00	MODRSS		44 36		MODTES	CL		84 00		27M0F8W			P	
GUI	GUI19200	-37 00	13	17557 64	-11 00	10 20	1 58	1 04	147 00	MODRSS		42.29		MODTES	CR		85 00		27M0F8W			P	
HRV	HRV14800	34 00	13	17557 64	16 74	44 54	0 88	0 69	5 30	MODRSS		46 57		MODTES	CR		84.00		27M0F8W			P	
IND	IND04400	68 00	13	17557 64	79 50	22 30	2 19	1 42	146 00	MODRSS		39 52		MODTES	CL		84 00		27M0F8W			P	1
INS	INS03500	104 00	13	17557 64	115 20	-1 70	9 14	3 43	170 00	MODRSS		29 48		MODTES	CL		84.00		27M0F8W			P	
J	000BS-3N	109 85	13	17557 64	134 50	31 50	3 52	3.30	68 00	R13RSS		33.80		R13TES	CR		87.00		27M0F8W	BS-3N	33	AE	
J	J 11100	110 00	13	17557 64	134 50	31 50	3 52	3 30	68 00	R13RSS		33 80		R13TES	CR		87.00		27M0F8W		33	PE	
LBY	LBY28000	-25 00	13	17557 64	17 50	26 30	3 68	1.84	130 00	MODRSS		36.14		MODTES	CR		84.00		27M0F8W			P	
MDG	MDG23600	29 00	13	17557 64	46 20	-18 60	2 57	0 80	67 00	MODRSS		41.32		MODTES	CR		84 00		27M0F8W			P	
NZL	NZL05500	158 00	13	17557 64	172 30	-39 70	2 88	1 56	47 00	MODRSS		37.92		MODTES	CL		84 00		27M0F8W			P	
NZL	NZL28700	128 00	13	17557 64	173 00	-41 00	3 30	1 28	48 00	MODRSS		38.19		MODTES	CL		84 00		27M0F8W			P	
POL	POL13200	-1 00	13	17557 64	17.20	51.80	2 00	2 00	0 00	MODRSS		38.43		MODTES	CR		87.00		27M0F8W			P	
QAT	QAT24700	17 00	13	17557 64	51 10	25 30	0 60	0 60	0 00	MODRSS		48 88		MODTES	CL		84.00		27M0F8W			P	
SLM	SLM00000	146 00	13	17557 64	159 32	-8 40	1 50	1 18	140 48	MODRSS		41 98		MODTES	CR		84.00		27M0F8W			P	
SMR	SMR31100	-37 00	13	17557 64	12 50	43 90	0 60	0 60	0 00	MODRSS		48 88		MODTES	CL		83.00		27M0F8W			P	
SWZ	SWZ31300	-1 00	13	17557 64	31 50	-26 50	0 62	0 60	66 00	MODRSS		48 74		MODTES	CL		82 00		27M0F8W			P	
THA	THA14200	74 00	13	17557 64	100 70	13 20	2 82	1 54	106 00	MODRSS		38 07		MODTES	CL		84.00		27M0F8W			P	
TJK	TJK06900	44 00	13	17557 64	71.14	38 37	1 25	0 76	159.15	MODRSS		44.65		MODTES	CR		84.00		27M0F8W			P	
TUR	TUR14500	5 00	13	17557 64	34 30	39 00	3.13	1 38	168 00	MODRSS		38.09		MODTES	CL		84 00		27M0F8W			P	
TZA	TZA22500	11 00	13	17557.64	34 60	-6 20	2 41	1 72	129 00	MODRSS		38.27		MODTES	CL		84.00		27M0F8W			P	
USA	PLM33700	170 00	13	17557 64	-166.30	-0 20	7.97	1 04	72.00	MODRSS		35.26		MODTES	CL		87.00		27M0F8W		9	P	
USA	PLM33701	170.00	13	17557 64	-124.80	39.10	4.43	0.73	132 00	MODRSS		39.35		MODTES	CL		87.00		27M0F8W		9	P	
USA	WAK33400	140 00	13	17557.64	152 50	11 70	7 89	3 52	0 00	MODRSS		30.01		MODTES	CR		87.00		27M0F8W		11	P	
USA	WAK33401	140 00	13	17557.64	-157.50	21.00	1.63	0.87	131 00	MODRSS		44.06		MODTES	CL		87 00		27M0F8W		11	P	
YUG	YUG14800	-7 00	13	17557 64	20 50	43 98	0 91	0 60	145.18	MODRSS		47.07		MODTES	CL		84.00		27M0F8W			P	
	YYY00001	11.00	13	17557 64	34 99	31 86	0 60	0 60	0 00	MODRSS		48.88		MODTES	CR		84 00		27M0F8W			P	8
ALG	ALG25100	-25 00	14	17576 82	1 50	27 60	3 65	2 94	135.00	MODRSS		34.14		MODTES	CL		84.00		27M0F8W			P	
ARS	ARS27500	17.00	14	17576 82	44.60	23 40	4 21	2 48	145.00	MODRSS		34.26		MODTES	CR		84 00		27M0F8W			P	
AUS	AUS00800	164 00	14	17576 82	136 00	-23 90	7 26	4.48	132 00	MODRSS		29.32		MODTES	CL		87.00		27M0F8W			P	
BGD	BGD22000	74.00	14	17576 82	90 30	23 60	1.46	0 84	135 00	MODRSS		43.56		MODTES	CR		84 00		27M0F8W			P	
BIH	BIH14800	34 00	14	17576 82	17.77	44 32	0 62	0 60	166 84	MODRSS		48.71		MODTES	CL		84.00		27M0F8W			P	
BOT	BOT29700	-1 00	14	17576 82	23.30	-22 20	2.13	1 50	36.00	MODRSS		39.40		MODTES	CR		85.00		27M0F8W			P	
CHN	CHN15401	62 00	14	17576 82	83 90	40 50	2 75	2.05	177.00	MODRSS		36.94		MODTES	CL		84 00		27M0F8W			P	
CHN	CHN17200	92 00	14	17576 82	120 40	29 10	0 96	0 84	123.00	MODRSS		45.38		MODTES	CL		84.00		27M0F8W			P	
CHN	CHN18100	79 80	14	17576.82	108 50	23 80	1.41	1.08	153.00	MODRSS		42.62		MODTES	CR		84.00		27M0F8W			P	
CLN	CLN21900	50 00	14	17576 82	80 60	7 70	1.18	0 60	106.00	MODRSS		45.95		MODTES	CL		84.00		27M0F8W			P	
D	D 08700	-19 00	14	17576 82	9 60	49 90	1.62	0 72	147.00	MODRSS		43.78		MODTES	CR		84 00		27M0F8W			P	2
F	F2_A2722	-7 00	14	17576 82	3 88	48 20	0.70	0.70	0.00	MODRSS		41.00		MODTES	CR		84.00		27M0F9W	RADIOSAT-2	19	A	
F	F2aA2722	-7 00	14	17576 82	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76.60		27M0F9W	RADIOSAT-2	19	A	
F	F2aA2728	-7 00	14	17576 82	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		27M0F9W	RADIOSAT-2	19	A	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position*	Channel	Centre Frequency	Boresight Long *	Boresight Lat *	Space Antenna Character Major*	Minor*	Orient.*	Space Antenna	Shap. Beam	Space Ant. Gain Co-pol.	X-pol.	Earth Antenna	Polarization Typ.	Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-marks
F	F3_A2722	-7 00	14	17576 82	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CR		76.60		27M0F9W	RADIOSAT-3	19	A	
F	F3_A2728	-7 00	14	17576 82	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CR		76.60		27M0F9W	RADIOSAT-3	19	A	
F	F3_A3322	-7 00	14	17576 82	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CR		76.60		33M0F9W	RADIOSAT-3	19	A	
F	F3_A3328	-7 00	14	17576 82	3 88	48 20	0 70	0 70	0.00	MODRSS		41 00		MODTES	CR		76.60		33M0F9W	RADIOSAT-3	19	A	
F	F3_D2722	-7 00	14	17576 82	3 88	48 20	0.70	0 70	0 00	MODRSS		41 00		MODTES	CR		76.60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D2728	-7 00	14	17576 82	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76.60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3322	-7 00	14	17576 82	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CR		76.60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3328	-7 00	14	17576 82	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CR		76.60		33M0G9W	RADIOSAT-3	19	A	
F	NCL10000	140 00	14	17576 82	166 00	-21 00	1.14	0 72	146.00	MODRSS		45.30		MODTES	CL		84.00		27M0F8W		6	P	
F	NCL10001	140 00	14	17576 82	-177 10	-13 60	1 22	0 60	46 00	MODRSS		45.80		MODTES	CL		84.00		27M0F8W		6	P	
F	WAL10200	140 00	14	17576 82	-176 80	-14 00	0 74	0 60	29 00	MODRSS		47.97		MODTES	CL		84.00		27M0F8W		6	P	
F	WAL10201	140 00	14	17576 82	166 10	-21 30	1 31	0 82	133 00	MODRSS		44.16		MODTES	CL		84.00		27M0F8W		6	P	
F /EUT	E2WA7DA2	29 00	14	17576 82	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB2	29 00	14	17576 82	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC2	29 00	14	17576 82	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD2	29 00	14	17576 82	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE2	29 00	14	17576 82	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF2	29 00	14	17576 82	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG2	29 00	14	17576 82	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
GNB	GNB30400	-30 00	14	17576 82	-15 00	12 00	0 90	0 60	172.00	MODRSS		47.12		MODTES	CR		84.00		27M0F8W			P	
IND	IND04500	56 00	14	17576 82	76 20	19 50	1 58	1.58	21.00	MODRSS		40.47		MODTES	CR		84.00		27M0F8W			P	1
IRL	IRL21100	-33 50	14	17576 82	-6 20	53 20	0 84	0 60	162.00	MODRSS		47 42		MODTES	CL		84.00		27M0F8W			P	
KRE	KRE28600	110 00	14	17576 82	127 00	39.10	1 30	1.10	31 00	MODRSS		42 89		MODTES	CL		87.00		27M0F8W			P	
MAU	MAU24200	29 00	14	17576 82	59 80	-18 90	1.62	1.24	55 00	MODRSS		41.42		MODTES	CL		84.00		27M0F8W			P	
MHL	MHL00000	146 00	14	17576 82	167 64	9 83	2 07	0 90	157.42	MODRSS		41.75		MODTES	CL		84.00		27M0F8W			P	
MKD	MKD14800	23.00	14	17576 82	21 53	41.50	0 60	0.60	90.00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W			P	
MLI	MLI32700	-37.00	14	17576.82	-2.00	19.00	2 66	1.26	127.00	MODRSS		39.19		MODTES	CL		87.00		27M0F8W			P	
NOR	BIFROS22	-0 80	14	17576.82	17.00	61.50	2.00	1 00	10.00	MODRSS		41.00		MODTES	CL		84.00		27M0FXF	BIFROST-2		A	
NOR	NOR12000	5.00	14	17576.82	17.00	61.50	2.00	1 00	10.00	MODRSS		41.44		MODTES	CR		84.00		27M0F8W			P	
NZL	CKH05200	158.00	14	17576.82	-161 00	-19.80	1.02	0.64	132 00	MODRSS		46.30		MODTES	CR		84.00		27M0F8W		3	P	
NZL	CKH05201	158.00	14	17576 82	172.30	-39.70	2.88	1.56	47.00	MODRSS		37.92		MODTES	CR		84.00		27M0F8W		3	P	
PAK	PAK21000	38.00	14	17576.82	72.10	30 80	1.16	0 72	90.00	MODRSS		45.23		MODTES	CL		84.00		27M0F8W			P	
SOM	SOM31200	23 00	14	17576.82	45.00	6.40	3.26	1.54	71.00	MODRSS		37.44		MODTES	CL		84.00		27M0F8W			P	
TCD	TCD14300	-13.00	14	17576.82	18.10	15.50	3.40	1.72	107.00	MODRSS		36.78		MODTES	CR		84.00		27M0F8W			P	
TUV	TUV00000	176.00	14	17576.82	177.61	-7.11	0.94	0.60	137.58	MODRSS		46.93		MODTES	CR		84.00		27M0F8W			P	
YEM	YEM26600	11.00	14	17576.82	44.36	15.70	0.77	0 60	104.23	MODRSS		47.78		MODTES	CL		84.00		27M0F8W			P	
ZAI	ZAI32300	-19.00	14	17576.82	21.30	-6.80	2.80	1.52	149.00	MODRSS		36.16		MODTES	CL		84.00		27M0F8W			P	
AFG	AFG24500	50.00	15	17596.00	67 00	34.30	1.89	1.19	18.00	MODRSS		40.93		MODTES	CL		84.00		27M0F8W			P	
AUS	AUS00400	152.00	15	17596 00	135.00	-24.20	7.19	5.20	140.00	MODRSS		28.71		MODTES	CL		87.00		27M0F8W		76	P	
AUS	AUS0040A	152.00	15	17596.00	135.36	-23 95	6.89	4.83	141.15	R123FR		29.23		MODTES	CL		87.00		27M0F8W		76	P	
AUS	AUS0040B	152.00	15	17596.00	135.36	-23.95	6.89	4.83	141.15	R123FR		29.23		MODTES	CL		87.00		27M0F8W		76	P	
AUS	AUS0040C	152.00	15	17596.00	135.36	-23.95	6.89	4.83	141.15	R123FR		29.23		MODTES	CL		87.00		27M0F8W		76	P	
AUS	AUS00700	164 00	15	17596 00	136.00	-23.90	7.26	4.48	132.00	MODRSS		29.32		MODTES	CR		87.00		27M0F8W		77	P	
AUS	AUS0070A	164.00	15	17596.00	136 62	-24 16	6.82	4.20	134.19	R123FR		29.87		MODTES	CR		87.00		27M0F8W		77	P	
BEN	BEN23300	-19 00	15	17596 00	2 20	9 50	1.44	0 68	97 00	MODRSS		44.54		MODTES	CR		84.00		27M0F8W			P	
BRU	BRU3300A	74 00	15	17596 00	114.70	4 40	0.60	0.60	0.00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W			P	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long°	Boresight Lat°	Space Antenna Character Major°	Space Antenna Character Minor°	Space Antenna Character Orient°	Space Antenna	Shap Beam	Space Ant. Gain Co-pol.	Space Ant. Gain X-pol	Earth Antenna	Polarization Typ	Polarization Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-marks
CHN	CHN15800	79.80	15	17596.00	106.00	32.50	5.00	3.70	150.00	MODRSS		31.78		MODTES	CL		84.00		27M0F8W			P	
CHN	CHN17400	92.00	15	17596.00	118.10	25.90	1.02	0.84	82.00	MODRSS		45.12		MODTES	CR		84.00		27M0F8W			P	
COM	COM20700	29.00	15	17596.00	44.10	-12.10	0.76	0.60	149.00	MODRSS		47.86		MODTES	CR		84.00		27M0F8W			P	
F	F2_A2733	-7.00	15	17596.00	3.88	46.20	0.70	0.70	0.00	MODRSS		41.00		MODTES	CL		84.00		27M0F9W	RADIOSAT-2	19	A	
F /EUT	E2WA7DA1	29.00	15	17596.00	16.30	44.30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB1	29.00	15	17596.00	16.30	44.30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC1	29.00	15	17596.00	16.30	44.30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD1	29.00	15	17596.00	16.30	44.30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE1	29.00	15	17596.00	16.30	44.30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF1	29.00	15	17596.00	16.30	44.30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG1	29.00	15	17596.00	16.30	44.30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
FSM	FSM00000	146.00	15	17596.00	151.67	5.42	5.34	1.51	166.52	MODRSS		35.37		MODTES	CR		84.00		27M0F8W			P	
GAB	GAB26000	-13.00	15	17596.00	11.80	-0.60	1.43	1.12	64.00	MODRSS		42.40		MODTES	CL		84.00		27M0F8W			P	
GMB	GMB30200	-37.00	15	17596.00	-15.10	13.40	0.79	0.60	4.00	MODRSS		47.69		MODTES	CR		83.00		27M0F8W			P	
GRC	GRC10500	5.00	15	17596.00	24.50	38.00	2.03	1.29	159.00	MODRSS		40.27		MODTES	CL		84.00		27M0F8W			P	
IND	IND04700	68.00	15	17596.00	93.30	11.10	1.92	0.60	96.00	MODRSS		43.83		MODTES	CL		84.00		27M0F8W			P	1
INS	INS03600	104.00	15	17596.00	115.20	-1.70	9.14	3.43	170.00	MODRSS		29.48		MODTES	CL		84.00		27M0F8W			P	
IRN	IRN10900	34.00	15	17596.00	54.20	32.40	3.82	1.82	149.00	MODRSS		36.03		MODTES	CR		84.00		27M0F8W			P	
J	000BS-3N	109.85	15	17596.00	134.50	31.50	3.52	3.30	68.00	R13RSS		33.80		R13TES	CR		87.00		27M0F8W	BS-3N	33	AE	
J	J 11100	110.00	15	17596.00	134.50	31.50	3.52	3.30	68.00	R13RSS		33.80		R13TES	CR		87.00		27M0F8W		33	PE	
KIR	KIR00002	176.00	15	17596.00	-157.78	-0.33	2.40	0.64	110.62	MODRSS		42.60		MODTES	CL		84.00		27M0F8W			P	
LBN	LBN27900	11.00	15	17596.00	35.90	33.80	0.60	0.60	0.00	MODRSS		48.88		MODTES	CR		84.00		27M0F8W			P	
LBR	LBR24400	-33.50	15	17596.00	-9.30	6.60	1.22	0.70	133.00	MODRSS		45.13		MODTES	CL		84.00		27M0F8W			P	
LBY	LBY32100	-25.00	15	17596.00	17.50	26.30	3.68	1.84	130.00	MODRSS		36.14		MODTES	CR		84.00		27M0F8W			P	
LIE	LIE25300	-37.00	15	17596.00	9.50	47.10	0.60	0.60	0.00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W			P	
LTU	LTU06100	23.00	15	17596.00	24.02	55.46	0.72	0.60	173.90	MODRSS		48.11		MODTES	CR		84.00		27M0F8W			P	
LUX	LUX11400	-19.00	15	17596.00	6.00	49.80	0.68	0.68	0.00	MODRSS		47.80		MODTES	CL		84.00		27M0F8W			P	
NRU	NRU30900	134.00	15	17596.00	167.00	-0.50	0.60	0.60	0.00	MODRSS		48.88		MODTES	CR		84.00		27M0F8W			P	
POR	POR13300	-30.00	15	17596.00	-8.00	39.60	0.92	0.60	112.00	MODRSS		47.03		MODTES	CR		84.00		27M0F8W			P	
ROU	ROU13600	-1.00	15	17596.00	25.00	45.70	1.38	0.86	155.00	MODRSS		44.85		MODTES	CR		86.00		27M0F8W			P	
SMO	SMO05700	158.00	15	17596.00	-172.30	-13.70	0.60	0.60	0.00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W			P	
SVK	SVK14400	17.00	15	17596.00	19.65	48.69	0.82	0.60	5.20	MODRSS		47.53		MODTES	CL		84.00		27M0F8W			P	
UKR	UKR06300	38.00	15	17596.00	31.82	48.19	2.32	0.95	177.32	MODRSS		41.01		MODTES	CR		84.00		27M0F8W			P	
USA	MRA33200	122.00	15	17596.00	151.10	11.60	6.48	3.49	179.00	MODRSS		30.90		MODTES	CL		87.00		27M0F8W		14	P	
USA	MRA33201	122.00	15	17596.00	-157.50	21.00	2.02	0.60	115.00	MODRSS		43.61		MODTES	CL		87.00		27M0F8W		14	P	
USA	SMA33500	170.00	15	17596.00	-166.30	-0.20	7.97	1.04	72.00	MODRSS		35.26		MODTES	CR		87.00		27M0F8W		13	P	
USA	SMA33501	170.00	15	17596.00	-124.80	39.20	4.43	0.73	132.00	MODRSS		39.35		MODTES	CR		87.00		27M0F8W		13	P	
UZB	UZB07100	44.00	15	17596.00	64.01	41.21	2.67	0.96	163.32	MODRSS		40.37		MODTES	CR		84.00		27M0F8W			P	
VTN	VTN32500	86.00	15	17596.00	108.00	14.80	3.80	1.90	126.00	MODRSS		35.86		MODTES	CR		84.00		27M0F8W			P	
VUT	VUT12800	140.00	15	17596.00	168.00	-16.40	1.52	0.68	87.00	MODRSS		44.30		MODTES	CR		84.00		27M0F8W			P	
ALG	ALG25200	-25.00	16	17615.18	1.50	27.60	3.65	2.94	135.00	MODRSS		34.14		MODTES	CL		84.00		27M0F8W			P	
AND	AND34100	-37.00	16	17615.18	1.60	42.50	0.60	0.60	0.00	MODRSS		48.88		MODTES	CR		84.00		27M0F8W			P	
ARS	ARS00300	17.00	16	17615.18	44.60	23.40	4.21	2.48	145.00	MODRSS		34.26		MODTES	CR		84.00		27M0F8W			P	
AUS	AUS00500	152.00	16	17615.18	135.00	-24.20	7.19	5.20	140.00	MODRSS		28.71		MODTES	CR		87.00		27M0F8W			P	
AUT	AUT01600	-19.00	16	17615.18	12.20	47.50	1.14	0.63	166.00	MODRSS		45.88		MODTES	CR		84.00		27M0F8W			P	
AZE	AZE06400	23.00	16	17615.18	47.47	40.14	0.93	0.60	158.14	MODRSS		46.98		MODTES	CL		84.00		27M0F8W			P	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character Major°	Space Antenna Character Minor°	Space Antenna Character Orient °	Space Antenna	Shap. Beam	Space Ant Gain Co-pol.	Space Ant Gain X-pol.	Earth Antenna	Polarization Typ	Polarization Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Remarks
IUL	BUL02000	-1 00	16	17615 18	25 00	43 00	2 00	2 00	0 00	MODRSS		38 43		MODTES	CL		84.00		27M0F8W			P	
:HN	CHN16900	92 00	16	17615 18	118 50	36 40	1.16	0 76	11 00	MODRSS		44 99		MODTES	CL		84.00		27M0F8W			P	
:HN	CHN18600	62 00	16	17615 18	102 50	30 20	1 91	1 23	147 00	MODRSS		40.74		MODTES	CR		84.00		27M0F8W			P	
)NK	DNK08900	5 00	16	17615 18	17 00	61.50	2 00	1 00	10 00	MODRSS		41 44		MODTES	CR		84.00		27M0F8W		28	P	
:GY	EGY02600	-7 00	16	17615 18	29 70	26 80	2.33	1 72	136.00	MODRSS		38 42		MODTES	CR		86.00		27M0F8W			P	
	F2_A2744	-7 00	16	17615 18	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CR		84.00		27M0F9W	RADIOSAT-2	19	A	
	OCE10100	-160 00	16	17615 18	-145 00	-16 30	4 34	3 54	4 00	MODRSS		32.58		MODTES	CR		84.00		27M0F8W			P	
/EUT	E2WA7DA2	29 00	16	17615 18	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DB2	29 00	16	17615 18	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DC2	29 00	16	17615 18	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DD2	29 00	16	17615 18	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DE2	29 00	16	17615 18	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DF2	29 00	16	17615 18	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DG2	29 00	16	17615 18	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
;	G 02700	-33 50	16	17615 18	-3 50	53 80	1 84	0 72	142 00	MODRSS		43 23		MODTES	CL		84.00		27M0F8W			P	
ND	IND04000	56 00	16	17615 18	73 00	25 00	1 82	1 48	58 00	MODRSS		40 14		MODTES	CR		84.00		27M0F8W			P	1
:RE	KRE28600	110 00	16	17615 18	127 00	39 10	1 30	1 10	31 00	MODRSS		42 89		MODTES	CL		87.00		27M0F8W			P	
MAU	MAU24300	29 00	16	17615 18	56 80	-13 90	1.56	1 38	65 00	MODRSS		41.12		MODTES	CL		84.00		27M0F8W			P	
MDA	MDA06300	38 00	16	17615 18	28 41	46 99	0 60	0 60	90 00	MODRSS		48 88		MODTES	CL		84 00		27M0F8W			P	
MLA	MLA22700	86 00	16	17615 18	102 10	4 10	1 62	0 82	135 00	MODRSS		43 21		MODTES	CL		84 00		27M0F8W			P	
MLD	MLD30600	44 00	16	17615 18	73 10	6 00	0 96	0 60	90 00	MODRSS		46 84		MODTES	CR		84 00		27M0F8W			P	
MLI	MLI32800	-37 00	16	17615 18	-7 60	13 20	1.74	1 24	171 00	MODRSS		41.11		MODTES	CL		87.00		27M0F8W			P	
MLT	MLT14700	-13 00	16	17615 18	14 30	35 90	0 60	0 60	0 00	MODRSS		48 88		MODTES	CL		84.00		27M0F8W			P	
IZL	CKH05300	158 00	16	17615 18	-161 00	-19 80	1 00	0 60	132 00	MODRSS		46 67		MODTES	CR		84.00		27M0F8W		4	P	
IZL	CKH05301	158 00	16	17615 18	172 30	-39 70	2 88	1 56	47 00	MODRSS		37.92		MODTES	CR		84.00		27M0F8W		4	P	
'HL	PHL28500	98 00	16	17615 18	121 30	11 10	3 46	1 76	99 00	MODRSS		36 60		MODTES	CL		84.00		27M0F8W			P	
'LW	PLW00000	146 00	16	17615 18	132 99	5 52	1 29	0 60	55 84	MODRSS		45 55		MODTES	CL		84.00		27M0F8W			P	
:RW	RRW31000	11 00	16	17615 18	30 00	-2 10	0 66	0 60	42 00	MODRSS		48.47		MODTES	CR		84.00		27M0F8W			P	
;	SIRIUS02	5.20	16	17615.18	14 00	63 00	1 30	0 70	142 00	R13RSS		43.00		R13TES	CL		84.00		27M0F8W	SIRIUS	28	AE	
SVN	SVN14800	34 00	16	17615 18	15 01	46 18	0 60	0 60	90.00	MODRSS		48 88		MODTES	CL		84.00		27M0F8W			P	
'AI	ZAI32200	-19 00	16	17615 18	22 40	0 00	2 16	1 88	48 00	MODRSS		38.36		MODTES	CL		84.00		27M0F8W			P	
ILR	BLR06200	38 00	17	17634.36	28 04	53 18	1 17	0 60	9 68	MODRSS		45.96		MODTES	CR		84.00		27M0F8W			P	
IRM	BRM29800	74 00	17	17634 36	97.10	19 10	3 58	1 48	104.00	MODRSS		37.21		MODTES	CL		84.00		27M0F8W			P	
)TN	BTN03100	86.00	17	17634 36	90 44	27.05	0.72	0 60	175.47	MODRSS		48.11		MODTES	CL		84.00		27M0F8W			P	
:HN	CHN16700	92.00	17	17634 36	124 30	43.70	1 98	0 72	156 00	MODRSS		42.91		MODTES	CR		84.00		27M0F8W			P	
:HN	CHN18200	79.80	17	17634 36	106.70	35 10	1 42	0 88	109 00	MODRSS		43.48		MODTES	CL		84.00		27M0F8W			P	
:ME	CME30000	-13 00	17	17634 36	12 70	6 20	2 54	1 68	87.00	MODRSS		36.15		MODTES	CL		84.00		27M0F8W			P	
:	E 12900	-30.00	17	17634 36	-3 10	39.90	2.10	1.14	154.00	MODRSS		40.66		MODTES	CR		84.00		27M0F8W		17	P	
:	HISPASA4	-30.00	17	17634 36	-3.10	39 90					ECO	43.00	18.70	R13TES	CR		82.50		27M0F8W	HISPASAT-1	17	AE	
:	HISPASA6	-30 00	17	17634 36	-3.10	39 90					ECO	43 00	18.70	R13TES	CR		83.50		27M0F8W	HISPASAT-1	17	AE	
:ST	EST06100	23 00	17	17634.36	25.36	59 31	0 68	0 60	2 17	MODRSS		48.37		MODTES	CR		84 00		27M0F8W			P	
	F 09300	-19 00	17	17634 36	2 60	45.90	2 50	0.98	160.00	R13RSS		40.56		R13TES	CL		84.00		27M0F8W		19	PE	
/EUT	E2WA7DA1	29 00	17	17634 36	16 30	44.30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DB1	29 00	17	17634 36	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DC1	29 00	17	17634 36	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DD1	29 00	17	17634 36	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character Major°	Minor°	Orient.°	Space Antenna	Shap. Beam	Space Ant Gain Co-pol.	X-pol.	Earth Antenna	Polarization Typ.	Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Remarks
F /EUT	E2WA7DE1	29 00	17	17634 36	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF1	29 00	17	17634 36	16 30	44 30	5 77	2.96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG1	29 00	17	17634 36	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
GUI	GUI19200	-37 00	17	17634 36	-11 00	10 20	1 58	1 04	147.00	MODRSS		42.29		MODTES	CR		85.00		27M0F8W			P	
HRV	HRV14800	34 00	17	17634 36	16.74	44 54	0 88	0.69	5.30	MODRSS		46.57		MODTES	CR		84.00		27M0F8W			P	
IND	IND04600	68 00	17	17634 36	84 70	20 50	1 60	0.86	30 00	MODRSS		43.06		MODTES	CL		84.00		27M0F8W			P	1
INS	INS03200	80 20	17	17634 36	113 60	-1 40	6 73	3 33	160.00	MODRSS		30.94		MODTES	CR		84.00		27M0F8W			P	
LBY	LBY28000	-25 00	17	17634 36	17 50	26 30	3 68	1.84	130.00	MODRSS		36.14		MODTES	CR		84.00		27M0F8W			P	
MDG	MDG23600	29 00	17	17634 36	46 20	-18.60	2.57	0.80	67 00	MODRSS		41.32		MODTES	CR		84.00		27M0F8W			P	
NPL	NPL12200	50.00	17	17634 36	83 70	28 30	1 72	0 60	163 00	MODRSS		44.31		MODTES	CR		84.00		27M0F8W			P	
NZL	NZL28700	128 00	17	17634 36	173 00	-41 00	3.30	1.28	48.00	MODRSS		38.19		MODTES	CL		84.00		27M0F8W			P	
POL	POL13200	-1 00	17	17634 36	17 20	51 80	2 00	2.00	0 00	MODRSS		38.43		MODTES	CR		87.00		27M0F8W			P	
QAT	QAT24700	17 00	17	17634 36	51 10	25 30	0 60	0 60	0.00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W			P	
SMR	SMR31100	-37.00	17	17634 36	12 50	43 90	0.60	0.60	0.00	MODRSS		48.88		MODTES	CL		83.00		27M0F8W			P	
SWZ	SWZ31300	-1 00	17	17634 36	31 50	-26 50	0 62	0.60	66 00	MODRSS		48.74		MODTES	CL		82.00		27M0F8W			P	
TJK	TJK06900	44 00	17	17634 36	71 14	38.37	1 25	0.76	159 15	MODRSS		44.65		MODTES	CR		84.00		27M0F8W			P	
TUR	TUR14500	5 00	17	17634 36	34 30	39 00	3.13	1.38	168.00	MODRSS		38.09		MODTES	CL		84.00		27M0F8W			P	
TZA	TZA22500	11 00	17	17634 36	34 60	-6 20	2.41	1.72	129 00	MODRSS		38.27		MODTES	CL		84.00		27M0F8W			P	
USA	PLM33700	170 00	17	17634 36	-166 30	-0 20	7 97	1.04	72 00	MODRSS		35.26		MODTES	CL		87.00		27M0F8W		9	P	
USA	PLM33701	170 00	17	17634 36	-124 80	39 10	4 43	0.73	132 00	MODRSS		39.35		MODTES	CL		87.00		27M0F8W		9	P	
USA	WAK33400	140.00	17	17634 36	152 50	11.70	7.89	3.52	0.00	MODRSS		30.01		MODTES	CR		87.00		27M0F8W		11	P	
USA	WAK33401	140 00	17	17634 36	-157 50	21 00	1.63	0 67	131 00	MODRSS		44.06		MODTES	CL		87.00		27M0F8W		11	P	
YUG	YUG14800	-7 00	17	17634 36	20 50	43 98	0 91	0 60	145.16	MODRSS		47.07		MODTES	CL		84.00		27M0F8W			P	
	YYY00001	11 00	17	17634 36	34 99	31.86	0 60	0.60	0.00	MODRSS		48.88		MODTES	CR		84.00		27M0F8W			P	8
ALG	ALG25100	-25 00	18	17653 54	1.50	27.60	3.65	2 94	135.00	MODRSS		34.14		MODTES	CL		84.00		27M0F8W			P	
ARS	ARS27500	17 00	18	17653 54	44 60	23 40	4.21	2 48	145.00	MODRSS		34.26		MODTES	CR		84.00		27M0F8W			P	
AUS	AUS00800	164 00	18	17653 54	136 00	-23 90	7 26	4.48	132.00	MODRSS		29.32		MODTES	CL		87.00		27M0F8W			P	
BGD	BGD22000	74.00	18	17653 54	90 30	23 60	1.46	0.84	135.00	MODRSS		43.56		MODTES	CR		84.00		27M0F8W			P	
BIH	BIH14800	34 00	18	17653 54	17.77	44 32	0.62	0 60	166.84	MODRSS		48.71		MODTES	CL		84.00		27M0F8W			P	
BOT	BOT29700	-1 00	18	17653 54	23.30	-22 20	2.13	1.50	36.00	MODRSS		39.40		MODTES	CR		85.00		27M0F8W			P	
CBG	CBG29900	68 00	18	17653 54	105 00	12.70	1 01	0 90	110.00	MODRSS		44.86		MODTES	CL		84.00		27M0F8W			P	
CHN	CHN15900	79 80	18	17653 54	106.00	32 50	5.00	3.70	150.00	MODRSS		31.78		MODTES	CR		84.00		27M0F8W			P	
CHN	CHN18500	62 00	18	17653 54	95.70	35 40	2.10	1 14	156 00	MODRSS		40.66		MODTES	CL		84.00		27M0F8W			P	
D	D 08700	-19 00	18	17653 54	9.60	49 90	1.62	0.72	147.00	MODRSS		43.78		MODTES	CR		84.00		27M0F8W			P	2
F	F2_A2722	-7.00	18	17653 54	3 88	48 20	0.70	0.70	0 00	MODRSS		41.00		MODTES	CR		84.00		27M0F9W	RADIOSAT-2	19	A	
F	F2aA2722	-7.00	18	17653 54	3 88	48 20	0 70	0.70	0 00	MODRSS		41.00		MODTES	CR		76.60		27M0F9W	RADIOSAT-2	19	A	
F	F2aA2728	-7 00	18	17653 54	3.88	48.20	0.70	0.70	0.00	MODRSS		41.00		MODTES	CR		76.60		27M0F9W	RADIOSAT-2	19	A	
F	F3_A2722	-7 00	18	17653 54	3.88	48 20	0.70	0 70	0.00	MODRSS		41.00		MODTES	CR		76.60		27M0F9W	RADIOSAT-3	19	A	
F	F3_A2728	-7.00	18	17653 54	3 88	48 20	0.70	0.70	0.00	MODRSS		41.00		MODTES	CR		76.60		27M0F9W	RADIOSAT-3	19	A	
F	F3_A3322	-7 00	18	17653 54	3.88	48.20	0.70	0.70	0.00	MODRSS		41.00		MODTES	CR		76.60		33M0F9W	RADIOSAT-3	19	A	
F	F3_A3328	-7 00	18	17653 54	3.88	48.20	0.70	0 70	0 00	MODRSS		41.00		MODTES	CR		76.60		33M0F9W	RADIOSAT-3	19	A	
F	F3_D2722	-7.00	18	17653 54	3 88	48 20	0 70	0 70	0.00	MODRSS		41.00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D2728	-7 00	18	17653 54	3 88	48.20	0 70	0.70	0.00	MODRSS		41.00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3322	-7.00	18	17653 54	3 88	48 20	0.70	0 70	0.00	MODRSS		41 00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3328	-7.00	18	17653 54	3.88	48 20	0 70	0 70	0.00	MODRSS		41 00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
F /EUT	E2WA7DA2	29 00	18	17653 54	16 30	44 30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character Major°	Space Antenna Character Minor°	Space Antenna Character Orient °	Space Antenna	Shap Beam	Space Ant. Gain Co-pol.	Space Ant. Gain X-pol.	Earth Antenna	Polarization Typ.	Polarization Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-marks
F /EUT	E2WA7DB2	29 00	18	17653 54	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC2	29 00	18	17653 54	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD2	29 00	18	17653 54	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE2	29 00	18	17653 54	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF2	29 00	18	17653 54	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG2	29 00	18	17653 54	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
GNB	GNB30400	-30 00	18	17653 54	-15 00	12 00	0 90	0 60	172 00	MODRSS		47 12		MODTES	CR		84 00		27M0F8W			P	
IND	IND04100	56 00	18	17653 54	78 40	16 00	2 08	1 38	35 00	MODRSS		39 87		MODTES	CR		84 00		27M0F8W			P	1
INS	INS03000	80 20	18	17653 54	113 60	-1 40	6 73	3 33	160 00	MODRSS		30 94		MODTES	CL		84 00		27M0F8W			P	
IRL	IRL21100	-33 50	18	17653 54	-8 20	53 20	0 84	0 60	162 00	MODRSS		47 42		MODTES	CL		84 00		27M0F8W			P	
KRE	KRE28600	110 00	18	17653 54	127 00	39 10	1 30	1 10	31 00	MODRSS		42 89		MODTES	CL		87 00		27M0F8W			P	
MAU	MAU24200	29 00	18	17653 54	59 80	-18 90	1 62	1 24	55 00	MODRSS		41 42		MODTES	CL		84 00		27M0F8W			P	
MHL	MHL00000	146 00	18	17653 54	167 64	9 83	2 07	0 90	157 42	MODRSS		41 75		MODTES	CL		84 00		27M0F8W			P	
MKD	MKD14800	23 00	18	17653 54	21 53	41 50	0 60	0 60	90 00	MODRSS		46 88		MODTES	CL		84 00		27M0F8W			P	
MLA	MLA22700	86 00	18	17653 54	102 10	4 10	1 62	0 82	135 00	MODRSS		43.21		MODTES	CL		84 00		27M0F8W			P	
MLI	MLI32700	-37 00	18	17653 54	-2 00	19 00	2 66	1 26	127 00	MODRSS		39.19		MODTES	CL		87.00		27M0F8W			P	
NOR	BIFROS22	-0 80	18	17653 54	17 00	61 50	2 00	1 00	10 00	MODRSS		41.00		MODTES	CL		84 00		27M0FXF	BIFROST-2		A	
NOR	NOR12000	5 00	18	17653 54	17 00	61 50	2.00	1 00	10 00	MODRSS		41.44		MODTES	CR		84 00		27M0F8W			P	
PAK	PAK28100	38 00	18	17653 54	65 20	27 90	1 52	1 42	28 00	MODRSS		41 11		MODTES	CL		84 00		27M0F8W			P	
PHL	PHL28500	98 00	18	17653 54	121 30	11 10	3 46	1 78	99 00	MODRSS		36 60		MODTES	CL		84 00		27M0F8W			P	
SOM	SOM31200	23 00	18	17653 54	45 00	6 40	3 26	1 54	71 00	MODRSS		37.44		MODTES	CL		84 00		27M0F8W			P	
TCD	TCD14300	-13 00	18	17653 54	18 10	15 50	3 40	1 72	107 00	MODRSS		36 78		MODTES	CR		84.00		27M0F8W			P	
YEM	YEM26600	11 00	18	17653 54	44 36	15 70	0 77	0 60	104.23	MODRSS		47.78		MODTES	CL		84 00		27M0F8W			P	
ZAI	ZAI32300	-19 00	18	17653 54	21 30	-6 80	2 80	1 52	149 00	MODRSS		38.16		MODTES	CL		84.00		27M0F8W			P	
AUS	AUS00400	152.00	19	17672 72	135 00	-24 20	7 19	5.20	140 00	MODRSS		28 71		MODTES	CL		87 00		27M0F8W		76	P	
AUS	AUS0040A	152 00	19	17672.72	135 36	-23 95	6 89	4.83	141.15	R123FR		29.23		MODTES	CL		87.00		27M0F8W		76	P	
AUS	AUS0040B	152 00	19	17672 72	135 36	-23 95	6 89	4 83	141.15	R123FR		29 23		MODTES	CL		87.00		27M0F8W		76	P	
AUS	AUS0040C	152.00	19	17672 72	135 36	-23 95	6 89	4 83	141.15	R123FR		29.23		MODTES	CL		87.00		27M0F8W		76	P	
AUS	AUS00700	164 00	19	17672.72	136 00	-23 90	7.26	4 46	132.00	MODRSS		29.32		MODTES	CR		87.00		27M0F8W		77	P	
AUS	AUS0070A	164 00	19	17672.72	136 62	-24 16	6 82	4 20	134.19	R123FR		29.87		MODTES	CR		87.00		27M0F8W		77	P	
BEN	BEN23300	-19 00	19	17672.72	2 20	9 50	1 44	0 68	97.00	MODRSS		44.54		MODTES	CR		84.00		27M0F8W			P	
BRM	BRM29800	74 00	19	17672 72	97 10	19 10	3 58	1 48	104 00	MODRSS		37.21		MODTES	CL		84.00		27M0F8W			P	
CHN	CHN15800	79 80	19	17672.72	106 00	32 50	5 00	3 70	150.00	MODRSS		31.78		MODTES	CL		84 00		27M0F8W			P	
CHN	CHN17900	92 00	19	17672 72	112 20	21 90	1 84	1.22	37.00	MODRSS		40.94		MODTES	CR		84.00		27M0F8W			P	
COM	COM2070A	29.00	19	17672 72	44.10	-12.10	0.76	0 60	149.00	MODRSS		47.66		MODTES	CR		84.00		27M0F8W			P	
F	F2_A2733	-7.00	19	17672 72	3 88	48.20	0.70	0 70	0.00	MODRSS		41.00		MODTES	CL		84.00		27M0F9W	RADIOSAT-2	19	A	
F /EUT	E2WA7DA1	29 00	19	17672 72	16 30	44.30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB1	29 00	19	17672 72	16 30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC1	29 00	19	17672 72	16 30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD1	29.00	19	17672.72	16 30	44.30	5.77	2 96	11.00	R13RSS		32.50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE1	29.00	19	17672.72	16 30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF1	29 00	19	17672 72	16 30	44 30	5 77	2.96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG1	29 00	19	17672 72	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
FSM	FSM00000	146 00	19	17672 72	151 67	5 42	5 34	1.51	166 52	MODRSS		35 37		MODTES	CR		84.00		27M0F8W			P	
GAB	GAB26000	-13 00	19	17672.72	11 80	-0 60	1.43	1.12	64.00	MODRSS		42.40		MODTES	CL		84.00		27M0F8W			P	
GMB	GMB30200	-37 00	19	17672 72	-15 10	13 40	0 79	0 60	4 00	MODRSS		47.69		MODTES	CR		83 00		27M0F8W			P	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character Major°	Minor°	Orient °	Space Antenna	Shap Beam	Space Ant. Gain Co-pol	X-pol	Earth Antenna	Polarization Typ	Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-marks
GRC	GRC10500	5 00	19	17672 72	24 50	38 00	2 03	1 29	159.00	MODRSS		40 27		MODTES	CL		84 00		27M0F8W			P	
IND	IND03800	56 00	19	17672 72	75 90	33 40	1 52	1.08	33 00	MODRSS		42 29		MODTES	CL		84 00		27M0F8W			P	1
INS	INS03200	80 20	19	17672 72	113 60	-1 40	6 73	3 33	160 00	MODRSS		30 94		MODTES	CR		84 00		27M0F8W			P	
INS	INS03600	104 00	19	17672 72	115 20	-1 70	9 14	3.43	170.00	MODRSS		29.48		MODTES	CL		84 00		27M0F8W			P	
IRN	IRN10900	34 00	19	17672 72	54 20	32 40	3 82	1.82	149 00	MODRSS		36 03		MODTES	CR		84 00		27M0F8W			P	
KIR	KIR00002	176 00	19	17672 72	-157 78	-0 33	2 40	0.64	110 62	MODRSS		42 60		MODTES	CL		84.00		27M0F8W			P	
LBN	LBN27900	11 00	19	17672 72	35 90	33 80	0 60	0 60	0 00	MODRSS		48.88		MODTES	CR		84 00		27M0F8W			P	
LBR	LBR2440A	-33 50	19	17672 72	-9 30	6 60	1.22	0 70	133 00	MODRSS		45.13		MODTES	CL		84 00		27M0F8W			P	
LBY	LBY32100	-25 00	19	17672 72	17 50	26 30	3 68	1 84	130 00	MODRSS		36 14		MODTES	CR		84.00		27M0F8W			P	
LIE	LIE25300	-37 00	19	17672 72	9 50	47 10	0 60	0 60	0.00	MODRSS		48 88		MODTES	CL		84.00		27M0F8W			P	
LTU	LTU06100	23 00	19	17672 72	24 02	55 46	0.72	0 60	173.90	MODRSS		48.11		MODTES	CR		84.00		27M0F8W			P	
LUX	LUX11400	-19 00	19	17672 72	6 00	49 80	0 68	0.68	0.00	MODRSS		47 80		MODTES	CL		84.00		27M0F8W			P	
NPL	NPL12200	50 00	19	17672 72	83 70	28 30	1 72	0 60	163.00	MODRSS		44.31		MODTES	CR		84 00		27M0F8W			P	
NZL	NIU05400	158 00	19	17672 72	-169 80	-19 00	0.60	0 60	0.00	MODRSS		48.88		MODTES	CR		84.00		27M0F8W		2	P	
NZL	NIU05401	158 00	19	17672 72	172 30	-39 70	2 88	1.56	47.00	MODRSS		37.92		MODTES	CR		84 00		27M0F8W		2	P	
POR	POR13300	-30 00	19	17672 72	-8 00	39 60	0 92	0 60	112 00	MODRSS		47.03		MODTES	CR		84.00		27M0F8W			P	
ROU	ROU13600	-1 00	19	17672 72	25 00	45 70	1 38	0 66	155.00	MODRSS		44 85		MODTES	CR		86.00		27M0F8W			P	
SVK	SVK14400	17 00	19	17672 72	19 65	48 69	0 82	0.60	5 20	MODRSS		47 53		MODTES	CL		84.00		27M0F8W			P	
UKR	UKR06300	38 00	19	17672 72	31 82	48 19	2 32	0 95	177 32	MODRSS		41 01		MODTES	CR		84.00		27M0F8W			P	
USA	MRA33200	122 00	19	17672 72	151 10	11 60	6 48	3 49	179.00	MODRSS		30 90		MODTES	CL		87.00		27M0F8W		14	P	
USA	MRA33201	122 00	19	17672 72	-157 50	21 00	2 02	0 60	115 00	MODRSS		43 61		MODTES	CL		87.00		27M0F8W		14	P	
USA	SMA33500	170 00	19	17672 72	-166 30	-0 20	7.97	1 04	72 00	MODRSS		35 28		MODTES	CR		87.00		27M0F8W		13	P	
USA	SMA33501	170 00	19	17672 72	-124 80	39 20	4 43	0 73	132.00	MODRSS		39.35		MODTES	CR		87 00		27M0F8W		13	P	
UZB	UZB07100	44 00	19	17672 72	64 01	41 21	2 67	0 96	163 32	MODRSS		40.37		MODTES	CR		84.00		27M0F8W			P	
ALG	ALG25200	-25 00	20	17691 90	1 50	27 60	3 65	2 94	135 00	MODRSS		34.14		MODTES	CL		84 00		27M0F8W			P	
AND	AND34100	-37 00	20	17691 90	1 60	42 50	0 60	0.60	0 00	MODRSS		48.88		MODTES	CR		84 00		27M0F8W			P	
ARS	ARS00300	17 00	20	17691 90	44 60	23 40	4 21	2.48	145.00	MODRSS		34.26		MODTES	CR		84.00		27M0F8W			P	
AUS	AUS00500	152 00	20	17691.90	135 00	-24 20	7 19	5.20	140 00	MODRSS		28.71		MODTES	CR		87.00		27M0F8W			P	
AUT	AUT01600	-19 00	20	17691 90	12 20	47 50	1 14	0.63	166.00	MODRSS		45.88		MODTES	CR		84.00		27M0F8W			P	
AZE	AZE06400	23 00	20	17691 90	47 47	40.14	0 93	0 60	158.14	MODRSS		46.98		MODTES	CL		84.00		27M0F8W			P	4
BGD	BGD22000	74 00	20	17691.90	90 30	23 60	1 46	0 84	135 00	MODRSS		43 56		MODTES	CR		84 00		27M0F8W			P	
BUL	BUL02000	-1 00	20	17691 90	25 00	43 00	2 00	2 00	0 00	MODRSS		38.43		MODTES	CL		84 00		27M0F8W			P	
CBG	CBG29900	68 00	20	17691 90	105 00	12 70	1.01	0 90	110 00	MODRSS		44 86		MODTES	CL		84.00		27M0F8W			P	
CHN	CHN15900	79 80	20	17691 90	106 00	32 50	5 00	3.70	150.00	MODRSS		31.78		MODTES	CR		84.00		27M0F8W			P	
CHN	CHN18400	62 00	20	17691.90	101 00	37 90	2.78	0.82	144 00	MODRSS		40 87		MODTES	CL		84.00		27M0F8W			P	
DNK	DNK08901	5 00	20	17691 90	17 00	61 50	2 00	1 00	10.00	MODRSS		41.44		MODTES	CR		84 00		27M0F8W		29	P	
EGY	EGY02600	-7 00	20	17691 90	29 70	26 80	2 33	1.72	136.00	MODRSS		38.42		MODTES	CR		86 00		27M0F8W			P	
F	F2_A2744	-7.00	20	17691 90	3 88	48 20	0 70	0.70	0.00	MODRSS		41.00		MODTES	CR		84 00		27M0F9W	RADIOSAT-2	19	A	
F /EUT	E2WA7DA2	29 00	20	17691 90	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB2	29 00	20	17691 90	16 30	44 30	5.77	2.96	11.00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC2	29 00	20	17691 90	16 30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD2	29 00	20	17691 90	16 30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE2	29 00	20	17691 90	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF2	29 00	20	17691 90	16 30	44 30	5 77	2.96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG2	29 00	20	17691 90	16 30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
G	G 02700	-33 50	20	17691 90	-3 50	53 80	1 84	0 72	142 00	MODRSS		43 23		MODTES	CL		84 00		27M0F8W			P	4

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight		Space Antenna Character			Space Antenna	Shap Beam	Space Ant Gain		Earth Antenna	Polarization		EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-marks
					Long °	Lat °	Major°	Minor°	Orient °			Co-pol	X-pol		Typ	Angle							
IND	IND04200	68 00	20	17691 90	79 30	27 70	2 14	1 16	147 00	MODRSS		40 50		MODTES	CR		89 00		27M0F8W			P	1
INS	INS03000	80 20	20	17691 90	113 60	-1 40	6 73	3 33	160 00	MODRSS		30 94		MODTES	CL		84 00		27M0F8W			P	
KRE	KRE28600	110 00	20	17691 90	127 00	39 10	1 30	1 10	31 00	MODRSS		42 89		MODTES	CL		87.00		27M0F8W			P	3, 4
MDA	MDA06300	38 00	20	17691 90	28 41	46 99	0 60	0 60	90 00	MODRSS		48 88		MODTES	CL		84 00		27M0F8W			P	4, 7
MLA	MLA22700	86 00	20	17691 90	102 10	4 10	1 62	0 82	135 00	MODRSS		43 21		MODTES	CL		84.00		27M0F8W			P	
MLI	MLI32800	-37 00	20	17691 90	-7 60	13 20	1 74	1 24	171 00	MODRSS		41 11		MODTES	CL		87.00		27M0F8W			P	
MLT	MLT1470A	-13 00	20	17691 90	14 30	35 90	0 60	0 60	0 00	MODRSS		48 88		MODTES	CL		84 00		27M0F8W			P	4, 7
NZL	TKL05800	158 00	20	17691 90	-171 80	-8 90	0 70	0 60	35 00	MODRSS		48 21		MODTES	CL		84.00		27M0F8W		1	P	
NZL	TKL05801	158 00	20	17691 90	172 30	-39 70	2 88	1 56	47 00	MODRSS		37 92		MODTES	CL		84.00		27M0F8W		1	P	
PAK	PAK28200	38 00	20	17691 90	68 50	25 60	1 32	0 62	133 00	MODRSS		45 32		MODTES	CL		84.00		27M0F8W			P	
PHL	PHL28500	98 00	20	17691 90	121 30	11 10	3 46	1 76	99 00	MODRSS		36 60		MODTES	CL		84 00		27M0F8W			P	
PLW	PLW00000	146 00	20	17691 90	132 99	5 52	1 29	0 60	55 84	MODRSS		45 55		MODTES	CL		84.00		27M0F8W			P	4
RRW	RRW31000	11 00	20	17691 90	30 00	-2 10	0 66	0 60	42 00	MODRSS		48.47		MODTES	CR		84.00		27M0F8W			P	
S	SIRIUS03	5 20	20	17691 90	14 00	63 00	1 30	0 70	142 00	R13RSS		43 00		R13TES	CL		84 00		27M0F8W	SIRIUS	29	AE	
SVN	SVN14800	34 00	20	17691 90	15 01	46 18	0 60	0 60	90 00	MODRSS		48 88		MODTES	CL		84.00		27M0F8W			P	4
ZAI	ZAI32200	-19 00	20	17691 90	22 40	0 00	2 16	1 88	48 00	MODRSS		38.36		MODTES	CL		84.00		27M0F8W			P	
ALB	ALB29600	-7 00	21	17711 08	20 10	41 00	1 17	0 65	128 00	MODRSS		45 64		MODTES	CL		84 00		27M0F8W			P	
BEL	BEL01800	-19 00	21	17711 08	4 60	50 60	0 82	0 60	167 00	MODRSS		47.53		MODTES	CL		84.00		27M0F8W			P	
BFA	BFA10700	-30 00	21	17711 08	-1 50	12 20	1 45	1 14	29 00	MODRSS		42 26		MODTES	CL		84 00		27M0F8W			P	4
BRM	BRM29800	74 00	21	17711 08	97 10	19 10	3 58	1 48	104 00	MODRSS		37 21		MODTES	CL		84 00		27M0F8W			P	
CHN	CHN17500	92 00	21	17711 08	121 40	23 80	1 14	0 82	64 00	MODRSS		44 74		MODTES	CR		84.00		27M0F8W			P	
CHN	CHN17600	79 80	21	17711 08	113 70	33 90	1 20	0 80	141 00	MODRSS		44 62		MODTES	CL		84.00		27M0F8W			P	
CYP	CYP08600	5 00	21	17711 08	33 30	35 10	0 60	0 60	0 00	MODRSS		48 88		MODTES	CL		84.00		27M0F8W			P	
D	D2-21600	-1 00	21	17711 08	12 60	52 10	0 83	0 63	172 00	MODRSS		47.26		MODTES	CR		84.00		27M0F8W			P	4, 7
DJI	DJI09900	23 00	21	17711 08	42 50	11 60	0 60	0 60	0 00	MODRSS		48 88		MODTES	CL		84.00		27M0F8W			P	
E	HISPASA2	-30 00	21	17711 08	-8 80	35 40	3 00	1 90	45 00	MODRSS		36 90		MODTES	CR		84.00		27M0F8W	HISPASAT-2	22	A	4
F	F 09306	-7 00	21	17711 08	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CR		77.30		27M0F8W	RADIOSAT	19	A	
F	F3_A2751	-7 00	21	17711 08	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CR		77.30		27M0F9W	RADIOSAT-3	19	A	
F	F3_A3351	-7 00	21	17711 08	3 88	48 20	0.70	0 70	0 00	MODRSS		41.00		MODTES	CR		77.30		33M0F9W	RADIOSAT-3	19	A	
F	F3_D2751	-7 00	21	17711 08	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CR		69.40		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3351	-7 00	21	17711 08	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CR		69.40		33M0G9W	RADIOSAT-3	19	A	
F /EUT	E2WA7DA1	29 00	21	17711 08	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB1	29 00	21	17711 08	16 30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC1	29 00	21	17711 08	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD1	29 00	21	17711 08	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE1	29 00	21	17711 08	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF1	29 00	21	17711 08	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG1	29 00	21	17711 08	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
IND	IND03800	56 00	21	17711 08	75 90	33 40	1 52	1 08	33 00	MODRSS		42.29		MODTES	CL		84 00		27M0F8W			P	1
INS	INS03200	80 20	21	17711 08	113 60	-1 40	6 73	3 33	160 00	MODRSS		30.94		MODTES	CR		84 00		27M0F8W			P	
ISL	ISL04900	-33 50	21	17711 08	-19 00	64 90	1 00	0 60	177 00	MODRSS		46.87		MODTES	CR		82 00		27M0F8W			P	
KEN	KEN24900	11 00	21	17711 08	37 90	1 10	2 29	1 56	94 00	MODRSS		38.92		MODTES	CL		84.00		27M0F8W			P	
LVA	LVA06100	23 00	21	17711 08	24 53	56 20	0 83	0 60	0 05	MODRSS		47 50		MODTES	CR		84.00		27M0F8W			P	4
MCO	MCO11600	-37 00	21	17711 08	7 40	43 70	0 60	0 60	0 00	MODRSS		48.88		MODTES	CL		83.00		27M0F8W			P	
NPL	NPL12200	50 00	21	17711 08	83 70	28 30	1.72	0 60	163 00	MODRSS		44.31		MODTES	CR		84.00		27M0F8W			P	
NZL	NZL28700	128 00	21	17711 08	173 00	-41 00	3 30	1 28	48.00	MODRSS		38.19		MODTES	CL		84.00		27M0F8W			P	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight		Space Antenna Character			Space Antenna	Shap Beam	Space Ant. Gain		Earth Antenna	Polarization		EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-mark
					Long °	Lat °	Major°	Minor°	Orient °			Co-pol	X-pol		Typ	Angle							
TON	TON21500	170 00	21	17711 08	-174 70	-18 00	1 41	0 68	85 00	MODRSS		44 83		MODTES	CR		84 00		27M0F8W			P	
UAE	UAE27400	17 00	21	17711 08	53 60	24 40	0 98	0 60	162 00	MODRSS		45 50		MODTES	CL		84 00		27M0F8W			P	
USA	GUM33100	122 00	21	17711 08	151 10	11 60	6 48	3 49	179 00	MODRSS		30.90		MODTES	CR		87.00		27M0F8W		15	P	
USA	GUM33101	122 00	21	17711 08	-157 50	21 00	2 02	0 60	115 00	MODRSS		43 81		MODTES	CR		87 00		27M0F8W		15	P	
AUS	AUS00800	164 00	22	17730 26	136 00	-23 90	7 26	4 48	132 00	MODRSS		29 32		MODTES	CL		87.00		27M0F8W			P	
BDI	BDI27000	11 00	22	17730 26	29 90	-3 10	0 71	0 60	80 00	MODRSS		48 15		MODTES	CR		84 00		27M0F8W			P	
BGD	BGD22000	74 00	22	17730 26	90 30	23 60	1 46	0 84	135 00	MODRSS		43 56		MODTES	CR		84 00		27M0F8W			P	
CBG	CBG29900	68 00	22	17730 26	105 00	12 70	1.01	0 90	110 00	MODRSS		44.86		MODTES	CL		84.00		27M0F8W			P	
CHN	CHN15900	79 80	22	17730 26	108 00	32 50	5 00	3 70	150.00	MODRSS		31 78		MODTES	CR		84.00		27M0F8W			P	
CHN	CHN16800	92 00	22	17730 26	124 80	48 10	2 68	0 92	157.00	MODRSS		40.53		MODTES	CR		84.00		27M0F8W			P	
CHN	CHN18300	62 00	22	17730 26	104 80	39 00	1 48	0 60	142 00	MODRSS		44.96		MODTES	CL		84 00		27M0F8W			P	
COG	COG23500	-13 00	22	17730 26	14 60	-0 70	2 02	1 16	59 00	MODRSS		40.87		MODTES	CR		84.00		27M0F8W			P	
CTI	CTI23700	-30 00	22	17730 26	-5 80	7.40	1 55	1 43	162 00	MODRSS		40.99		MODTES	CR		84.00		27M0F8W			P	4
F	F2aA2762	-7 00	22	17730 26	3 88	48 20	0 70	0.70	0.00	MODRSS		41.00		MODTES	CL		78 60		27M0F9W	RADIOSAT-2	19	A	
F	F3_A2762	-7 00	22	17730 26	3.88	48 20	0 70	0.70	0 00	MODRSS		41.00		MODTES	CL		78 60		27M0F9W	RADIOSAT-3	19	A	
F	F3_A3362	-7 00	22	17730 26	3.88	48 20	0 70	0.70	0.00	MODRSS		41.00		MODTES	CL		78 60		33M0F9W	RADIOSAT-3	19	A	
F	F3_D2762	-7 00	22	17730 26	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CL		78.60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3362	-7 00	22	17730 26	3 88	48 20	0 70	0 70	0.00	MODRSS		41 00		MODTES	CL		78 60		33M0G9W	RADIOSAT-3	19	A	
F	REU09700	29 00	22	17730 26	55 60	-19 20	1 58	0 78	96 00	MODRSS		43.59		MODTES	CL		84.00		27M0F8W		5	P	
F	REU09701	29 00	22	17730 26	3 70	45 20	1 94	1 68	24 00	MODRSS		39.32		MODTES	CL		84.00		27M0F8W		5	P	
F /EUT	E2WA7DA2	29 00	22	17730 26	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB2	29 00	22	17730 26	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC2	29 00	22	17730 26	16 30	44 30	5 77	2 96	11.00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD2	29 00	22	17730 26	16 30	44 30	5 77	2 96	11.00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE2	29 00	22	17730 26	16 30	44 30	5 77	2.96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF2	29 00	22	17730 26	16 30	44 30	5.77	2 96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG2	29 00	22	17730 26	16 30	44 30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
FIN	FIN10400	5 00	22	17730 26	17 00	61 50	2 00	1 00	10.00	MODRSS		41.44		MODTES	CR		84.00		27M0F8W			P	
G	G UKDBS	-33 50	22	17730 26	-3 50	53 80	1.84	0 72	142.00	MODRSS		43.20		MODTES	CL		84.00		27M0F8W	UKDBS-3		A	4
GEO	GEO06400	23.00	22	17730 26	43 35	42.27	1.11	0.60	161.21	MODRSS		46.23		MODTES	CL		84.00		27M0F8W			P	4
HNG	HNG10600	-1 00	22	17730 26	22 20	45 60	2.00	2.00	0.00	MODRSS		38.43		MODTES	CL		84.00		27M0F8W			P	
IND	IND04200	68 00	22	17730 26	79.30	27.70	2.14	1.16	147.00	MODRSS		40.50		MODTES	CR		89.00		27M0F8W			P	1
INS	INS03000	60.20	22	17730 26	113 60	-1.40	6.73	3 33	160.00	MODRSS		30.94		MODTES	CL		84.00		27M0F8W			P	
KGZ	KGZ07000	44 00	22	17730 26	73.88	41.32	1 34	0.64	3.53	MODRSS		45.12		MODTES	CR		84.00		27M0F8W			P	4, 7
KRE	KRE28600	110 00	22	17730 26	127.00	39.10	1 30	1.10	31.00	MODRSS		42 89		MODTES	CL		87.00		27M0F8W			P	3, 4
KWT	KWT11300	17 00	22	17730 26	47 60	29 20	0 68	0.60	145.00	MODRSS		48.34		MODTES	CR		84 00		27M0F8W			P	
MLA	MLA22700	86 00	22	17730 26	102.10	4 10	1 62	0.82	135.00	MODRSS		43.21		MODTES	CL		84.00		27M0F8W			P	
MTN	MTN22300	-37 00	22	17730 26	-12 20	18 50	2 62	1.87	150.00	MODRSS		37.55		MODTES	CL		86 00		27M0F8W			P	
PAK	PAK28100	38.00	22	17730 26	65 20	27 90	1.52	1 42	28.00	MODRSS		41.11		MODTES	CL		84 00		27M0F8W			P	
PHL	PHL28500	98 00	22	17730 26	121 30	11.10	3 46	1.76	99.00	MODRSS		36.60		MODTES	CL		84 00		27M0F8W			P	
SDN	SDN23100	-7 00	22	17730 26	29.90	12 90	2 64	2 08	155.00	MODRSS		37.05		MODTES	CR		86.00		27M0F8W			P	
SUI	SUI14000	-19 00	22	17730 26	8.20	46.60	0.98	0.70	171.00	MODRSS		46.08		MODTES	CR		84 00		27M0F8W			P	2
SYR	SYR22900	11 00	22	17730 26	38 30	34 90	1 04	0 90	7.00	MODRSS		44.73		MODTES	CL		84.00		27M0F8W			P	
TUN	TUN15000	-25 00	22	17730 26	9.50	33 50	1 86	0.72	135.00	MODRSS		43.13		MODTES	CL		84 00		27M0F8W			P	
AGL	AGL29500	-13 00	23	17749 44	16.50	-12 00	3 09	2.26	84.00	MODRSS		36 01		MODTES	CL		84 00		27M0F8W			P	
ARS	ARS34000	17 00	23	17749 44	44 60	23 40	4 21	2 48	145.00	MODRSS		34.26		MODTES	CL		84 00		27M0F8W		71	P	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm	Beam	Orbital	Chan	Centre	Boresight		Space Antenna Character			Space	Shap	Space Ant Gain		Earth	Polarization		EIRP	Power	Designation	Satellite	Group	Status	Re-
Symb	Identification	Position°	nel	Frequency	Long °	Lat °	Major°	Minor°	Orient °	Antenna	Beam	Co-pol	X-pol	Antenna	Typ.	Angle	dBW	Control	of Emission	Identification	Code		marks
JS	AUS00400	152 00	23	17749 44	135 00	24 20	7 19	5 20	140 00	MODRSS		28 71		MODTES	CL		87 00		27M0F8W		76	P	
JS	AUS0040A	152 00	23	17749 44	135 36	-23 95	6 89	4 83	141 15	R123FR		29 23		MODTES	CL		87 00		27M0F8W		76	P	4
JS	AUS0040B	152 00	23	17749 44	135 36	-23 95	6 89	4 83	141 15	R123FR		29 23		MODTES	CL		87 00		27M0F8W		76	P	4
JS	AUS0040C	152 00	23	17749 44	135 36	23 95	6 89	4 83	141 15	R123FR		29 23		MODTES	CL		87.00		27M0F8W		76	P	4
JS	AUS00700	164 00	23	17749 44	136 00	-23 90	7 26	4 48	132 00	MODRSS		29 32		MODTES	CR		87 00		27M0F8W		77	P	
JS	AUS0070A	164 00	23	17749 44	136 82	-24 16	6 82	4 20	134 19	R123FR		29 87		MODTES	CR		87 00		27M0F8W		77	P	4
HR	BHR2550A	17 00	23	17749 44	50 50	26 10	0 60	0 60	0 00	MODRSS		46 88		MODTES	CL		84 00		27M0F8W		71	P	4
RM	BRM29800	74 00	23	17749 44	97 10	19 10	3 58	1 48	104 00	MODRSS		37 21		MODTES	CL		84 00		27M0F8W			P	
HN	CHN15800	79 80	23	17749 44	106 00	32 50	5 00	3 70	150 00	MODRSS		31 76		MODTES	CL		84 00		27M0F8W			P	
VA	CVA08500	-37 00	23	17749 44	10 80	41 50	2 00	0 60	138 00	MODRSS		43 66		MODTES	CR		84.00		27M0F8W			P	
ZE	CZE14400	17 00	23	17749 44	15 50	49 79	0 92	0 60	174 55	MODRSS		47 02		MODTES	CR		84 00		27M0F8W			P	4
	CNR13000	-30 00	23	17749 44	-15 70	28 40	1 54	0 60	5 00	MODRSS		44 79		MODTES	CR		84.00		27M0F8W		22	P	4
	HISPASA2	-30 00	23	17749 44	-8 80	35 40	3 00	1 90	45 00	MODRSS		36 90		MODTES	CR		84.00		27M0F8W	HISPASAT-2	22	A	4
RI	ERI09200	23 00	23	17749 44	39 41	14 98	1 67	0 95	145 48	MODRSS		42.44		MODTES	CL		84 00		27M0F8W			P	4
	F2aA2773	-7 00	23	17749 44	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		78.60		27M0F9W	RADIOSAT-2	19	A	
	F3_A2773	-7 00	23	17749 44	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CR		78.60		27M0F9W	RADIOSAT-3	19	A	
	F3_A3373	-7 00	23	17749 44	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		78.60		33M0F9W	RADIOSAT-3	19	A	
	F3_D2773	-7 00	23	17749 44	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		78 60		33M0G9W	RADIOSAT-3	19	A	
	F3_D3373	-7 00	23	17749 44	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		78 60		33M0G9W	RADIOSAT-3	19	A	
VEUT	E2WA7DA1	29 00	23	17749 44	16 30	44 30	5 77	2.96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
VEUT	E2WA7DB1	29 00	23	17749 44	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
VEUT	E2WA7DC1	29 00	23	17749 44	16 30	44 30	5 77	2 96	11.00	R13RSS		32 50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
VEUT	E2WA7DD1	29 00	23	17749 44	16 30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
VEUT	E2WA7DE1	29 00	23	17749 44	16 30	44.30	5 77	2.96	11.00	R13RSS		32 50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
VEUT	E2WA7DF1	29 00	23	17749 44	16 30	44 30	5 77	2 96	11.00	R13RSS		32 50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
VEUT	E2WA7DG1	29.00	23	17749 44	16 30	44.30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
HA	GHA10800	-25.00	23	17749 44	-1 20	7 90	1.48	1 06	102.00	MODRSS		42.49		MODTES	CR		83.00		27M0F8W			P	
NE	GNE30300	-19 00	23	17749 44	10 30	1 50	0 68	0 60	10 00	MODRSS		48.34		MODTES	CR		84 00		27M0F8W			P	
OL	HOL21300	-19 00	23	17749 44	5 40	52.00	0 76	0 60	171.00	MODRSS		47.86		MODTES	CL		84.00		27M0F8W			P	
ID	IND04600	68 00	23	17749 44	84 70	20 50	1 60	0 86	30.00	MODRSS		43.06		MODTES	CL		84.00		27M0F8W			P	1
IS	INS03200	80.20	23	17749 44	113 60	-1 40	6 73	3 33	160.00	MODRSS		30.94		MODTES	CR		84.00		27M0F8W			P	
SL	ISL05000	5 00	23	17749 44	-19 50	61.00	2 20	0 80	4 00	MODRSS		41.99		MODTES	CL		84.00		27M0F8W			P	
OR	JOR22400	11 00	23	17749.44	35.80	31.40	0 84	0 78	114.00	MODRSS		46.28		MODTES	CR		85.00		27M0F8W			P	
IR	KIR00002	178.00	23	17749 44	-157 78	-0 33	2 40	0 64	110.62	MODRSS		42.60		MODTES	CL		84.00		27M0F8W			P	
OR	BIFROS21	-0 60	23	17749.44	17.00	61.50	2 00	1.00	10.00	MODRSS		41.00		MODTES	CR		84.00		27M0FXF	BIFROST-2		A	
PL	NPL1220A	50 00	23	17749.44	83 70	28.30	1.72	0.60	163.00	MODRSS		44.31		MODTES	CR		84.00		27M0F8W			P	4, 7
ZL	NIU05400	158.00	23	17749.44	-169 80	-19.00	0 60	0 60	0.00	MODRSS		48.88		MODTES	CR		84.00		27M0F8W		2	P	
ZL	NIU05401	158.00	23	17749.44	172 30	-39.70	2.88	1.56	47 00	MODRSS		37.92		MODTES	CR		84.00		27M0F8W		2	P	
DN	SDN23000	-7.00	23	17749 44	29 90	9.80	2.95	2 17	123.00	MODRSS		36.38		MODTES	CL		86.00		27M0F8W			P	
RL	SRL25900	-33.50	23	17749 44	-11.80	8 60	0.78	0 68	114.00	MODRSS		47.20		MODTES	CL		84.00		27M0F8W			P	4
KM	TKM06800	44 00	23	17749.44	59.18	38.84	2 25	0.99	164.51	MODRSS		40.94		MODTES	CL		84.00		27M0F8W			P	4, 7
VE	ZWE13500	-1 00	23	17749.44	29 60	-16 80	1 46	1 36	37.00	MODRSS		41.47		MODTES	CR		85.00		27M0F8W			P	
RM	ARM06400	23.00	24	17768 62	44.99	39 95	0.73	0 60	148 17	MODRSS		48.02		MODTES	CL		84.00		27M0F8W			P	4
US	AUS00500	152.00	24	17768.62	135 00	-24.20	7.19	5.20	140.00	MODRSS		28.71		MODTES	CR		87.00		27M0F8W			P	
AF	CAF25800	-13 00	24	17768 62	21 00	6.30	2 25	1 68	31.00	MODRSS		38.67		MODTES	CR		84.00		27M0F8W			P	
BG	CBG29900	68 00	24	17768 62	105 00	12 70	1 01	0 90	110.00	MODRSS		44.86		MODTES	CL		84.00		27M0F8W			P	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character Major°	Minor°	Orient °	Space Antenna	Shap Beam	Space Ant Gain Co-pol.	X-pol.	Earth Antenna	Polarization Typ	Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-marks
CHN	CHN16600	92 00	24	17768 62	121 10	41 70	1 52	0 78	154 00	MODRSS		43 71		MODTES	CR		84 00		27M0F8W			P	
CHN	CHN17700	79 80	24	17768 62	111 60	30 60	1 42	0 82	160 00	MODRSS		43 79		MODTES	CR		84.00		27M0F8W			P	
CHN	CHN18800	62 00	24	17768 62	101 50	25 10	1 86	1 08	132 00	MODRSS		41 42		MODTES	CR		84 00		27M0F8W			P	
DNK	DNK09000	5 00	24	17768 62	17 00	61 50	2 00	1 00	10 00	MODRSS		41.44		MODTES	CR		84.00		27M0F8W			P	
F	F2_A2788	-7 00	24	17768 62	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		84.00		27M0F9W	RADIOSAT-2	19	A	
F	F2aA2784	-7 00	24	17768 62	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CL		76.60		27M0F9W	RADIOSAT-2	19	A	
F	F2aA2788	-7 00	24	17768 62	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CL		76.60		27M0F9W	RADIOSAT-2	19	A	
F	F3_A2784	-7 00	24	17768 62	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CL		76.60		27M0F9W	RADIOSAT-3	19	A	
F	F3_A2788	-7 00	24	17768 62	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CL		76.60		27M0F9W	RADIOSAT-3	19	A	
F	F3_A3384	-7 00	24	17768 62	3 88	48 20	0 70	0 70	0.00	MODRSS		41.00		MODTES	CL		76.60		33M0F9W	RADIOSAT-3	19	A	
F	F3_A3388	-7 00	24	17768 62	3 88	48 20	0 70	0 70	0.00	MODRSS		41.00		MODTES	CL		76.60		33M0F9W	RADIOSAT-3	19	A	
F	F3_D2784	-7 00	24	17768 62	3 88	48.20	0 70	0.70	0.00	MODRSS		41.00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D2788	-7 00	24	17768 62	3 88	48 20	0 70	0.70	0 00	MODRSS		41.00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3384	-7 00	24	17768 62	3 88	48 20	0.70	0.70	0.00	MODRSS		41.00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3388	-7 00	24	17768 62	3 88	48 20	0 70	0 70	0.00	MODRSS		41.00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
F	MYT09800	29 00	24	17768 62	45 10	-12 80	0 60	0 60	0 00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W		7	P	
F	MYT09801	29 00	24	17768 62	3 60	45 60	1 97	1 71	22 00	MODRSS		39.17		MODTES	CL		84.00		27M0F8W		7	P	
F /EUT	E2WA7DA2	29 00	24	17768 62	16 30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB2	29 00	24	17768 62	16 30	44.30	5 77	2.96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC2	29 00	24	17768 62	16 30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD2	29 00	24	17768 62	16 30	44 30	5.77	2.96	11.00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE2	29.00	24	17768 62	16 30	44.30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF2	29 00	24	17768 62	16.30	44.30	5.77	2 96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG2	29 00	24	17768 62	16 30	44 30	5 77	2.96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
I	I 08200	-19 00	24	17768 62	12.30	41.30	2 38	0.98	137.00	MODRSS		40.77		MODTES	CR		84.00		27M0F8W			P	
IND	IND04100	56 00	24	17768 62	78.40	16.00	2.08	1.38	35.00	MODRSS		39.87		MODTES	CR		84.00		27M0F8W			P	1
INS	INS03000	80 20	24	17768 62	113 60	-1 40	6.73	3.33	160.00	MODRSS		30.94		MODTES	CL		84.00		27M0F8W			P	
IRQ	IRQ25600	11 00	24	17768 62	43.50	33.00	2.28	1.32	145.00	MODRSS		39.66		MODTES	CL		84.00		27M0F8W			P	
KAZ	KAZ06800	44 00	24	17768.62	64.72	46.40	4.31	1.70	172.22	MODRSS		35.79		MODTES	CR		84.00		27M0F8W			P	4, 7
LSO	LSO30500	5.00	24	17768 62	27 80	-29 80	0.66	0.60	36.00	MODRSS		48.47		MODTES	CL		84.00		27M0F8W			P	
MLA	MLA22700	86 00	24	17768 62	102 10	4.10	1 62	0.82	135.00	MODRSS		43.21		MODTES	CL		84.00		27M0F8W			P	
MTN	MTN28800	-37 00	24	17768.62	-7 80	23.40	1 63	1.10	141.00	MODRSS		41.91		MODTES	CL		86.00		27M0F8W			P	
MWI	MWI30800	-1 00	24	17768 62	34.10	-13 00	1 54	0 60	87.00	MODRSS		44.79		MODTES	CL		84.00		27M0F8W			P	
NGR	NGR11500	-25.00	24	17768.62	8.30	16 80	2.54	2.08	44.00	MODRSS		37.22		MODTES	CL		85 00		27M0F8W			P	
NOR	BIFROS22	-0 80	24	17768.62	17.00	61.50	2.00	1.00	10.00	MODRSS		41.00		MODTES	CL		84.00		27M0FXF	BIFROST-2		A	
NZL	TKL05800	158.00	24	17768.62	-171.80	-8.90	0.70	0.60	35.00	MODRSS		46.21		MODTES	CL		84.00		27M0F8W		1	P	
NZL	TKL05801	158 00	24	17768.62	172.30	-39.70	2.88	1.56	47.00	MODRSS		37.92		MODTES	CL		84.00		27M0F8W		1	P	
OMA	OMA12300	17.00	24	17768 62	55 60	21 00	1.88	1.02	100 00	MODRSS		41.62		MODTES	CR		85.00		27M0F8W			P	
PAK	PAK28200	38.00	24	17768 62	68 50	25.80	1 32	0.62	133.00	MODRSS		45.32		MODTES	CL		84.00		27M0F8W			P	
PHL	PHL28500	98 00	24	17768 62	121.30	11 10	3.46	1.76	99.00	MODRSS		36.60		MODTES	CL		84.00		27M0F8W			P	
POR	AZR13400	-30.00	24	17768 62	-23.40	36.10	2.56	0.70	158.00	MODRSS		41.91		MODTES	CL		84.00		27M0F8W			P	
SDN	SDN23200	-7 00	24	17768 62	29 60	18.40	2 54	2.09	167 00	MODRSS		37.20		MODTES	CR		86.00		27M0F8W			P	
ALB	ALB29600	-7 00	25	17787.80	20 10	41 00	1.17	0.65	128.00	MODRSS		45.64		MODTES	CL		84.00		27M0F8W			P	
AUS	AUS00900	164.00	25	17787.80	136.00	-23.90	7.26	4.48	132.00	MODRSS		29.32		MODTES	CR		87.00		27M0F8W		78	P	
AUS	AUS0090A	164.00	25	17787 80	136 62	-24 16	6 82	4.20	134 19	R123FR		29 87		MODTES	CR		87.00		27M0F8W		78	P	4
AUS	AUS0090B	164.00	25	17787 80	136 62	-24 16	6 82	4 20	134 19	R123FR		29 87		MODTES	CR		87 00		27M0F8W		78	P	4

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character Major°	Minor°	Orient °	Space Antenna	Shap. Beam	Space Ant Gain Co-pol	X-pol	Earth Antenna	Polarization Typ	Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Remarks
BEL	BEL01800	-19 00	25	17787 80	4 60	50 60	0 82	0 60	167 00	MODRSS		47 53		MODTES	CL		84.00		27M0F8W			P	
BFA	BFA10700	-30 00	25	17787 80	-1 50	12 20	1 45	1 14	29 00	MODRSS		42 26		MODTES	CL		84.00		27M0F8W			P	4
CYP	CYP08600	5 00	25	17787 80	33 30	35 10	0 60	0 60	0 00	MODRSS		48 88		MODTES	CL		84.00		27M0F8W			P	
D	D2-21600	-1 00	25	17787 80	12 60	52 10	0 83	0 63	172 00	MODRSS		47 26		MODTES	CR		84 00		27M0F8W			P	4, 7
DJI	DJI09900	23 00	25	17787 80	42 50	11 60	0 60	0 60	0 00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W			P	
E	HISPASA2	-30 00	25	17787 80	-8 80	35 40	3 00	1 90	45 00	MODRSS		36 90		MODTES	CR		84.00		27M0F8W	HISPASAT-2	22	A	4
F	F 09306	-7 00	25	17787 80	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		77.30		27M0F8W	RADIOSAT	19	A	
F	F3_A2751	-7 00	25	17787 80	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		77 30		27M0F9W	RADIOSAT-3	19	A	
F	F3_A3351	-7 00	25	17787 80	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		77.30		33M0F9W	RADIOSAT-3	19	A	
F	F3_D2751	-7 00	25	17787 80	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		77.30		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3351	-7 00	25	17787 80	3 88	48 20	0 70	0.70	0 00	MODRSS		41 00		MODTES	CR		77.30		33M0G9W	RADIOSAT-3	19	A	
F /EUT	E2WA7DA1	29 00	25	17787 80	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB1	29 00	25	17787 80	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC1	29 00	25	17787 80	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD1	29 00	25	17787 80	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE1	29 00	25	17787 80	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF1	29 00	25	17787 80	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG1	29 00	25	17787 80	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
ISL	ISL04900	-33 50	25	17787 80	-19 00	64 90	1 00	0 60	177 00	MODRSS		46 67		MODTES	CR		82 00		27M0F8W			P	
KEN	KEN24900	11 00	25	17787 80	37 90	1 10	2 29	1 56	94 00	MODRSS		38 92		MODTES	CL		84 00		27M0F8W			P	
LVA	LVA06100	23 00	25	17787 80	24 53	56 20	0 83	0 60	0 05	MODRSS		47.50		MODTES	CR		84.00		27M0F8W			P	4
MCO	MCO11600	-37 00	25	17787 80	7 40	43 70	0 60	0 60	0 00	MODRSS		48 88		MODTES	CL		83.00		27M0F8W			P	
MNG	MNG24800	74 00	25	17787 80	107 50	47 80	2 00	2 00	0 00	MODRSS		38 43		MODTES	CR		89.02		27M0F8W			P	
RUS	RSTRSA11	36 00	25	17787 80	38 00	53 00					COP	38 40	8.40	MODTES	CR		84.00		27M0F8W	RST-1	38	P	
RUS	RSTRSA21	56 00	25	17787 80	65 00	63 00					COP	38 40	8.40	MODTES	CR		84.00		27M0F8W	RST-2	39	P	
RUS	RSTRSA31	86 00	25	17787 80	97 00	62 00					COP	38 40	8.40	MODTES	CR		84.00		27M0F8W	RST-3	40	P	
RUS	RSTRSA51	140 00	25	17787 80	158 00	56 00					COP	38 40	8.40	MODTES	CR		84 00		27M0F8W	RST-5	42	P	
RUS	RSTRSD11	36 00	25	17787 80	38 00	53 00					COP	38.40	8.40	MODTES	CR		84.00		27M0G7W	RST-1	38	P	
RUS	RSTRSD21	56 00	25	17787 80	65 00	63 00					COP	38.40	8 40	MODTES	CR		84.00		27M0G7W	RST-2	39	P	
RUS	RSTRSD31	86 00	25	17787 80	97 00	62.00					COP	38.40	8 40	MODTES	CR		84.00		27M0G7W	RST-3	40	P	
RUS	RSTRSD51	140 00	25	17787 80	158 00	56.00					COP	38.40	8 40	MODTES	CR		84.00		27M0G7W	RST-5	42	P	
RUS	RUS00400	110 00	25	17787 80	118 22	51 52					COP	38 40	8 40	MODTES	CR		84.00		27M0F8W			P	3, 4
TON	TON21500	170 00	25	17787 80	-174 70	-18 00	1 41	0 68	85 00	MODRSS		44 63		MODTES	CR		84.00		27M0F8W			P	
UAE	UAE27400	17 00	25	17787 80	53 60	24.40	0 98	0 80	162 00	MODRSS		45.50		MODTES	CL		84.00		27M0F8W			P	
USA	GUM33100	122 00	25	17787 80	151 10	11 60	6 48	3 49	179 00	MODRSS		30 90		MODTES	CR		87.00		27M0F8W		15	P	
USA	GUM33101	122.00	25	17787.80	-157 50	21 00	2 02	0 60	115 00	MODRSS		43.61		MODTES	CR		87.00		27M0F8W		15	P	
AUS	AUS00600	152 00	26	17806 98	135.50	-24 20	7.19	5 20	140.00	MODRSS		28.71		MODTES	CR		87.00		27M0F8W			P	
BDI	BDI27000	11 00	26	17806 98	29 90	-3 10	0.71	0 60	80 00	MODRSS		48 15		MODTES	CR		84.00		27M0F8W			P	
COG	COG23500	-13 00	26	17806.98	14 60	-0.70	2 02	1.18	59 00	MODRSS		40.67		MODTES	CR		84.00		27M0F8W			P	
CTI	CTI23700	-30 00	26	17806 98	-5 80	7 40	1 55	1.43	162 00	MODRSS		40.99		MODTES	CR		84.00		27M0F8W			P	4, 7
F	F2aA2762	-7 00	26	17806 98	3 88	48 20	0 70	0.70	0.00	MODRSS		41.00		MODTES	CL		76.60		27M0F9W	RADIOSAT-2	19	A	
F	F3_A2762	-7 00	26	17806.98	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CL		76.60		27M0F9W	RADIOSAT-3	19	A	
F	F3_A3362	-7.00	26	17806 98	3 88	48 20	0 70	0 70	0.00	MODRSS		41 00		MODTES	CL		76.60		33M0F9W	RADIOSAT-3	19	A	
F	F3_D2762	-7 00	26	17806 98	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3362	-7 00	26	17806 98	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
F	REU09700	29 00	26	17806 98	55 60	-19 20	1 56	0 78	96 00	MODRSS		43 59		MODTES	CL		84 00		27M0F8W		5	P	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character Major°	Minor°	Orient °	Space Antenna	Shap. Beam	Space Ant. Gain Co-pol.	X-pol	Earth Antenna	Polarization Typ	Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Remarks
F	REU09701	29 00	26	17806 98	3 70	45 20	1 94	1 68	24 00	MODRSS		39 32		MODTES	CL		84.00		27M0F8W		5	P	
F /EUT	E2WA7DA2	29 00	26	17806 98	16 30	44.30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB2	29 00	26	17806 98	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC2	29 00	26	17806 98	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD2	29 00	26	17806 98	16 30	44.30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE2	29 00	26	17806 98	16 30	44 30	5.77	2.96	11 00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF2	29 00	26	17806 98	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG2	29 00	26	17806 98	16 30	44 30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
FIN	FIN10400	5 00	26	17806 98	17.00	61.50	2 00	1.00	10 00	MODRSS		41.44		MODTES	CR		84.00		27M0F8W			P	
G	G UKDBS	-33 50	26	17806 98	-3 50	53 80	1 84	0 72	142.00	MODRSS		43.20		MODTES	CL		84.00		27M0F8W	UKDBS-3		A	4
GEO	GEO06400	23 00	26	17806 98	43 35	42 27	1 11	0 60	161.21	MODRSS		46.23		MODTES	CL		84.00		27M0F8W			P	4
HNG	HNG10600	-1 00	26	17806 98	22 20	45.60	2 00	2 00	0.00	MODRSS		38.43		MODTES	CL		84 00		27M0F8W			P	
KGZ	KGZ07000	44 00	26	17806 98	73 88	41 32	1 34	0 64	3 53	MODRSS		45 12		MODTES	CR		84 00		27M0F8W			P	4, 7
KWT	KWT11300	17 00	26	17806 98	47 60	29 20	0 68	0 60	145 00	MODRSS		48.34		MODTES	CR		84.00		27M0F8W			P	
MTN	MTN22300	-37 00	26	17806 98	-12 20	18 50	2 62	1 87	150 00	MODRSS		37.55		MODTES	CL		86.00		27M0F8W			P	
RUS	RSTRSA12	36 00	26	17806 98	38 00	53 00					COP	38.40	8.40	MODTES	CL		84.00		27M0F8W	RST-1	38	P	
RUS	RSTRSA22	56 00	26	17806 98	65 00	63 00					COP	38 40	8.40	MODTES	CL		84.00		27M0F8W	RST-2	39	P	
RUS	RSTRSA32	86 00	26	17806 98	97 00	62 00					COP	38 40	8.40	MODTES	CL		84 00		27M0F8W	RST-3	40	P	
RUS	RSTRSA52	140 00	26	17806 98	158 00	56 00					COP	38.40	8 40	MODTES	CL		84.00		27M0F8W	RST-5	42	P	
RUS	RSTRSD12	36 00	26	17806 98	38 00	53 00					COP	38 40	8 40	MODTES	CL		84.00		27M0G7W	RST-1	38	P	
RUS	RSTRSD22	56 00	26	17806 98	65 00	63 00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-2	39	P	
RUS	RSTRSD32	86 00	26	17806 98	97 00	62 00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-3	40	P	
RUS	RSTRSD52	140 00	26	17806 98	158 00	56 00					COP	38 40	8.40	MODTES	CL		84.00		27M0G7W	RST-5	42	P	
SDN	SDN23100	-7 00	26	17806 98	29 90	12 90	2 64	2.08	155.00	MODRSS		37.05		MODTES	CR		86.00		27M0F8W			P	
SUI	SUI14000	-19 00	26	17806 98	8 20	46 60	0 98	0 70	171.00	MODRSS		46.08		MODTES	CR		84.00		27M0F8W			P	2
SYR	SYR22900	11.00	26	17806 98	38 30	34 90	1 04	0.90	7.00	MODRSS		44.73		MODTES	CL		84.00		27M0F8W			P	
TUN	TUN15000	-25 00	26	17806 98	9 50	33 50	1 88	0 72	135.00	MODRSS		43.13		MODTES	CL		84 00		27M0F8W			P	
AGL	AGL29500	-13 00	27	17826 16	16 50	-12 00	3 09	2 26	84.00	MODRSS		36.01		MODTES	CL		84.00		27M0F8W			P	
AUS	AUS00900	164 00	27	17826 16	136 00	-23.90	7 26	4 48	132.00	MODRSS		29 32		MODTES	CR		87.00		27M0F8W		78	P	
AUS	AUS0090A	164 00	27	17826 16	136.62	-24 16	6 82	4 20	134.19	R123FR		29.87		MODTES	CR		87.00		27M0F8W		78	P	4
AUS	AUS0090B	164 00	27	17826 16	136 62	-24.16	6 82	4 20	134 19	R123FR		29.87		MODTES	CR		87.00		27M0F8W		78	P	4
BHR	BHR25500	17 00	27	17826 16	50.50	26 10	0 60	0 60	0.00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W			P	
CVA	CVA08300	-37 00	27	17826 16	12 40	41 80	0 60	0.60	0.00	MODRSS		48.88		MODTES	CR		84.00		27M0F8W			P	
CZE	CZE14400	17 00	27	17826.16	15.50	49.79	0 92	0.60	174.55	MODRSS		47.02		MODTES	CR		84.00		27M0F8W			P	4
DNK	DNK09100	5 00	27	17826 16	-19.50	61 00	2.20	0.80	4 00	MODRSS		41.99		MODTES	CL		84.00		27M0F8W			P	
E	CNR13000	-30 00	27	17826 16	-15 70	28.40	1 54	0 60	5.00	MODRSS		44.79		MODTES	CR		84 00		27M0F8W		22	P	4, 7
E	HISPASA2	-30 00	27	17826 16	-8 80	35 40	3.00	1 90	45.00	MODRSS		36 90		MODTES	CR		84 00		27M0F8W	HISPASAT-2	22	A	4, 7
ERI	ERI09200	23.00	27	17826 16	39.41	14.98	1.67	0 95	145 48	MODRSS		42.44		MODTES	CL		84.00		27M0F8W			P	4
F	F2aA2773	-7 00	27	17826.16	3.88	48 20	0 70	0.70	0.00	MODRSS		41.00		MODTES	CR		76.60		27M0F9W	RADIOSAT-2	19	A	
F	F3_A2773	-7 00	27	17826 16	3.88	48 20	0.70	0.70	0 00	MODRSS		41 00		MODTES	CR		76.60		27M0F9W	RADIOSAT-3	19	A	
F	F3_A3373	-7 00	27	17826 16	3 88	48.20	0.70	0.70	0.00	MODRSS		41.00		MODTES	CR		76 60		33M0F9W	RADIOSAT-3	19	A	
F	F3_D2773	-7 00	27	17826 16	3 88	48.20	0 70	0.70	0.00	MODRSS		41.00		MODTES	CR		76.60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3373	-7 00	27	17826 16	3.88	48 20	0.70	0.70	0.00	MODRSS		41 00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
F /EUT	E2WA7DA1	29 00	27	17826 16	16 30	44 30	5.77	2 96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB1	29 00	27	17826.16	16 30	44 30	5.77	2 96	11.00	R13RSS		32.50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC1	29 00	27	17826 16	16 30	44 30	5 77	2 96	11.00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position*	Channel	Centre Frequency	Boresight Long *	Boresight Lat *	Space Antenna Character. Major*	Space Antenna Character. Minor*	Space Antenna Character. Orient *	Space Antenna	Shap Beam	Space Ant. Gain Co-pol	Space Ant. Gain X-pol.	Earth Antenna	Polarization Typ.	Polarization Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-marks
F /EUT	E2WA7DD1	29 00	27	17826 16	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE1	29 00	27	17826 16	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF1	29 00	27	17826 16	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG1	29 00	27	17826 16	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
GHA	GHA10800	-25 00	27	17826 16	-1 20	7 90	1 48	1 06	102 00	MODRSS		42 49		MODTES	CR		83.00		27M0F8W			P	
GNE	GNE30300	-19 00	27	17826 16	10 30	1 50	0 68	0 60	10 00	MODRSS		48.34		MODTES	CR		84.00		27M0F8W			P	
HOL	HOL21300	-19 00	27	17826 16	5 40	52 00	0 76	0 60	171 00	MODRSS		47 86		MODTES	CL		84.00		27M0F8W			P	
JOR	JOR22400	11 00	27	17826 16	35 80	31 40	0 84	0 78	114 00	MODRSS		46 28		MODTES	CR		85.00		27M0F8W			P	
NOR	BIFROS21	-0 80	27	17826 16	17 00	61 50	2 00	1 00	10 00	MODRSS		41.00		MODTES	CR		84.00		27M0FXF	BIFROST-2		A	
RUS	RSTRSA11	36 00	27	17826 16	38 00	53 00					COP	38.40	8 40	MODTES	CR		84.00		27M0F8W	RST-1	38	P	
RUS	RSTRSA21	56 00	27	17826 16	65 00	63 00					COP	38.40	8 40	MODTES	CR		84.00		27M0F8W	RST-2	39	P	
RUS	RSTRSA31	86 00	27	17826 16	97 00	62.00					COP	38.40	8 40	MODTES	CR		84.00		27M0F8W	RST-3	40	P	
RUS	RSTRSA51	140 00	27	17826 16	158 00	56 00					COP	38.40	8.40	MODTES	CR		84.00		27M0F8W	RST-5	42	P	
RUS	RSTRSD11	36 00	27	17826 16	38 00	53 00					COP	38.40	8.40	MODTES	CR		84.00		27M0G7W	RST-1	38	P	
RUS	RSTRSD21	56 00	27	17826 16	65 00	63 00					COP	38 40	8 40	MODTES	CR		84.00		27M0G7W	RST-2	39	P	
RUS	RSTRSD31	86 00	27	17826 16	97 00	62 00					COP	38 40	8 40	MODTES	CR		84.00		27M0G7W	RST-3	40	P	
RUS	RSTRSD51	140 00	27	17826 16	158 00	56 00					COP	38 40	8.40	MODTES	CR		84.00		27M0G7W	RST-5	42	P	
RUS	RUS00400	110 00	27	17826 16	118 22	51 52					COP	38 40	8.40	MODTES	CR		84.00		27M0F8W			P	3, 4
SDN	SDN23000	-7 00	27	17826 16	29 90	9 80	2 95	2 17	123 00	MODRSS		36.38		MODTES	CL		86.00		27M0F8W			P	
SRL	SRL25900	-33 50	27	17826 16	-11 80	8 60	0.78	0 68	114.00	MODRSS		47.20		MODTES	CL		84.00		27M0F8W			P	4
TKM	TKM06800	44.00	27	17826 16	59 18	38 84	2 25	0.99	164.51	MODRSS		40 94		MODTES	CL		84.00		27M0F8W			P	4, 7
ZWE	ZWE13500	-1 00	27	17826 16	29 60	-18 80	1.46	1 36	37 00	MODRSS		41 47		MODTES	CR		85.00		27M0F8W			P	
ARM	ARM06400	23 00	28	17845 34	44 99	39 95	0.73	0 60	148.17	MODRSS		48 02		MODTES	CL		84.00		27M0F8W			P	4
AUS	AUS00600	152.00	28	17845 34	135 50	-24 20	7 19	5.20	140.00	MODRSS		28.71		MODTES	CR		87.00		27M0F8W			P	
CAF	CAF25800	-13 00	28	17845 34	21.00	6 30	2.25	1.68	31 00	MODRSS		38.67		MODTES	CR		84.00		27M0F8W			P	
F	F2_A2788	-7 00	28	17845 34	3 88	48 20	0 70	0 70	0.00	MODRSS		41.00		MODTES	CR		84.00		27M0F9W	RADIOSAT-2	19	A	
F	F2aA2784	-7 00	28	17845 34	3 88	48.20	0 70	0 70	0.00	MODRSS		41.00		MODTES	CL		76.60		27M0F9W	RADIOSAT-2	19	A	
F	F2aA2788	-7.00	28	17845 34	3 88	48 20	0.70	0.70	0 00	MODRSS		41.00		MODTES	CL		76.60		27M0F9W	RADIOSAT-2	19	A	
F	F3_A2784	-7 00	28	17845 34	3 88	48 20	0.70	0 70	0 00	MODRSS		41 00		MODTES	CL		76.60		27M0F9W	RADIOSAT-3	19	A	
F	F3_A2788	-7 00	28	17845 34	3 88	48 20	0.70	0 70	0 00	MODRSS		41.00		MODTES	CL		76.60		27M0F9W	RADIOSAT-3	19	A	
F	F3_A3384	-7 00	28	17845 34	3 88	48 20	0.70	0 70	0 00	MODRSS		41.00		MODTES	CL		76.60		33M0F9W	RADIOSAT-3	19	A	
F	F3_A3388	-7 00	28	17845 34	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CL		76.60		33M0F9W	RADIOSAT-3	19	A	
F	F3_D2784	-7 00	28	17845.34	3 88	48 20	0.70	0 70	0 00	MODRSS		41.00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D2788	-7 00	28	17845.34	3 88	48 20	0.70	0 70	0.00	MODRSS		41.00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3384	-7.00	28	17845 34	3 88	48 20	0.70	0 70	0.00	MODRSS		41.00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3388	-7.00	28	17845 34	3.88	48.20	0.70	0.70	0.00	MODRSS		41.00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
F	MYT09600	29 00	28	17845.34	45 10	-12 80	0.60	0.60	0 00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W		7	P	
F	MYT09801	29 00	28	17845.34	3 60	45 60	1 97	1.71	22.00	MODRSS		39.17		MODTES	CL		84.00		27M0F8W		7	P	
F /EUT	E2WA7DA2	29 00	28	17845 34	16 30	44 30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB2	29 00	28	17845 34	16 30	44.30	5.77	2 96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC2	29 00	28	17845.34	16 30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD2	29 00	28	17845.34	16.30	44 30	5.77	2 96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE2	29 00	28	17845 34	16 30	44.30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF2	29 00	28	17845.34	16.30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG2	29 00	28	17845 34	16 30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
I	I 08200	-19 00	28	17845 34	12 30	41 30	2.38	0.98	137.00	MODRSS		40.77		MODTES	CR		84.00		27M0F8W			P	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight		Space Antenna Character			Space Antenna	Shap Beam	Space Ant. Gain		Earth Antenna	Polarization		EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-marks
					Long °	Lat °	Major°	Minor°	Orient.°			Co-pol	X-pol.		Typ	Angle							
IRQ	IRQ25600	11 00	28	17845 34	43 50	33 00	2 28	1.32	145.00	MODRSS		39.66		MODTES	CL		84 00		27M0F8W			P	
KAZ	KAZ06600	44 00	28	17845 34	64 72	46 40	4 31	1 70	172.22	MODRSS		35 79		MODTES	CR		84 00		27M0F8W			P	4, 7
LSO	LSO30500	5 00	28	17845 34	27 80	-29 80	0 66	0.60	36 00	MODRSS		46.47		MODTES	CL		84.00		27M0F8W			P	
MTN	MTN28800	-37 00	28	17845 34	-7 80	23 40	1 63	1.10	141.00	MODRSS		41.91		MODTES	CL		86 00		27M0F8W			P	
MWI	MWI30800	-1 00	28	17845 34	34 10	-13 00	1 54	0 60	87.00	MODRSS		44 79		MODTES	CL		84 00		27M0F8W			P	
NGR	NGR11500	-25 00	28	17845 34	8 30	16 80	2 54	2.06	44 00	MODRSS		37.22		MODTES	CL		85.00		27M0F8W			P	
NOR	BIFROS22	-0 80	28	17845 34	17 00	61 50	2 00	1.00	10.00	MODRSS		41.00		MODTES	CL		84 00		27M0FXF	BIFROST-2		A	
NOR	NOR12101	5 00	28	17845 34	17 00	61 50	2 00	1.00	10.00	MODRSS		41 44		MODTES	CR		84.00		27M0F8W			P	
OMA	OMA12300	17 00	28	17845 34	55 60	21 00	1 88	1 02	100.00	MODRSS		41.62		MODTES	CR		85 00		27M0F8W			P	
POR	AZR13400	-30 00	28	17845 34	-23 40	36 10	2 56	0.70	156.00	MODRSS		41.91		MODTES	CL		84.00		27M0F8W			P	7
RUS	RSTRSA12	36 00	28	17845 34	38 00	53 00					COP	38 40	8.40	MODTES	CL		84.00		27M0F8W	RST-1	38	P	
RUS	RSTRSA22	56 00	28	17845 34	65 00	63 00					COP	38 40	8.40	MODTES	CL		84 00		27M0F8W	RST-2	39	P	
RUS	RSTRSA32	86 00	28	17845 34	97 00	62 00					COP	38.40	8.40	MODTES	CL		84.00		27M0F8W	RST-3	40	P	
RUS	RSTRSA52	140 00	28	17845 34	158 00	56 00					COP	38.40	8.40	MODTES	CL		84 00		27M0F8W	RST-5	42	P	
RUS	RSTRSD12	36 00	28	17845 34	38 00	53 00					COP	38.40	8.40	MODTES	CL		84 00		27M0G7W	RST-1	38	P	
RUS	RSTRSD22	56 00	28	17845 34	65 00	63 00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-2	39	P	
RUS	RSTRSD32	86 00	28	17845 34	97 00	62 00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-3	40	P	
RUS	RSTRSD52	140 00	28	17845 34	158 00	56 00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-5	42	P	
SDN	SDN23200	-7 00	28	17845 34	29 60	18 40	2 54	2 09	167.00	MODRSS		37.20		MODTES	CR		86.00		27M0F8W			P	
ALB	ALB29600	-7 00	29	17864 52	20.10	41 00	1 17	0.65	128.00	MODRSS		45 64		MODTES	CL		84 00		27M0F8W			P	
AUS	AUS00900	164 00	29	17864 52	136 00	-23 90	7.26	4.48	132.00	MODRSS		29.32		MODTES	CR		87.00		27M0F8W		78	P	
AUS	AUS0090A	164 00	29	17864 52	136 62	-24 16	6.82	4.20	134.19	R123FR		29.87		MODTES	CR		87.00		27M0F8W		78	P	4
AUS	AUS0090B	164 00	29	17864 52	136 62	-24 16	6 82	4 20	134.19	R123FR		29 87		MODTES	CR		87.00		27M0F8W		78	P	4
BEL	BEL01800	-19 00	29	17864 52	4 60	50 60	0 82	0 60	167.00	MODRSS		47.53		MODTES	CL		84.00		27M0F8W			P	
BFA	BFA10700	-30 00	29	17864 52	-1 50	12 20	1 45	1.14	29.00	MODRSS		42.26		MODTES	CL		84.00		27M0F8W			P	4, 7
CYP	CYP08600	5 00	29	17864 52	33 30	35.10	0 60	0.60	0.00	MODRSS		48 88		MODTES	CL		84 00		27M0F8W			P	
D	D2-21600	-1 00	29	17864 52	12 60	52 10	0 83	0 63	172.00	MODRSS		47.26		MODTES	CR		84.00		27M0F8W			P	4, 7
DJI	DJI09900	23 00	29	17864 52	42 50	11 60	0 60	0.60	0.00	MODRSS		48.88		MODTES	CL		84 00		27M0F8W			P	
E	HISPASA2	-30 00	29	17864 52	-8.80	35 40	3 00	1.90	45.00	MODRSS		36.90		MODTES	CR		84 00		27M0F8W	HISPASAT-2	22	A	4, 7
F	F 09306	-7.00	29	17864.52	3 88	48 20	0 70	0.70	0.00	MODRSS		41.00		MODTES	CR		77.30		27M0F8W	RADIOSAT	19	A	
F	F3_A2751	-7.00	29	17864 52	3.88	48.20	0.70	0 70	0.00	MODRSS		41.00		MODTES	CR		77.30		27M0F9W	RADIOSAT-3	19	A	
F	F3_A3351	-7 00	29	17864 52	3 88	48.20	0.70	0 70	0.00	MODRSS		41.00		MODTES	CR		77.30		33M0F9W	RADIOSAT-3	19	A	
F	F3_D2751	-7.00	29	17864 52	3 88	48 20	0 70	0.70	0.00	MODRSS		41.00		MODTES	CR		77 30		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3351	-7.00	29	17864 52	3 88	48.20	0 70	0 70	0.00	MODRSS		41.00		MODTES	CR		77 30		33M0G9W	RADIOSAT-3	19	A	
F /EUT	E2WA7DA1	29 00	29	17864.52	16 30	44 30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB1	29 00	29	17864.52	16 30	44 30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC1	29 00	29	17864.52	16 30	44 30	5.77	2 96	11.00	R13RSS		32 50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD1	29 00	29	17864 52	16.30	44 30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE1	29 00	29	17864 52	16 30	44 30	5.77	2 96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF1	29 00	29	17864.52	16.30	44 30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG1	29 00	29	17864 52	16 30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
ISL	ISL04900	-33.50	29	17864 52	-19.00	64.90	1 00	0 60	177.00	MODRSS		46.67		MODTES	CR		82.00		27M0F8W			P	
KEN	KEN24900	11.00	29	17864 52	37 90	1 10	2 29	1 56	94 00	MODRSS		38.92		MODTES	CL		84 00		27M0F8W			P	
LVA	LVA06100	23 00	29	17864 52	24.53	56 20	0 83	0.60	0 05	MODRSS		47.50		MODTES	CR		84.00		27M0F8W			P	4
MCO	MCO11600	-37 00	29	17864 52	7 40	43 70	0 60	0 60	0 00	MODRSS		48.88		MODTES	CL		83 00		27M0F8W			P	
MNG	MNG24800	74.00	29	17864 52	107 50	47 80	2 00	2 00	0 00	MODRSS		38.43		MODTES	CR		89 02		27M0F8W			P	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character. Major°	Minor°	Orient °	Space Antenna	Shap. Beam	Space Ant Gain Co-pol	X-pol	Earth Antenna	Polarization Typ.	Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Re-marks
US	RSTRSA11	36 00	29	17864 52	38 00	53.00					COP	38.40	8 40	MODTES	CR		84.00		27M0F8W	RST 1	38	P	
US	RSTRSA21	56 00	29	17864 52	65 00	63 00					COP	38 40	8 40	MODTES	CR		84.00		27M0F8W	RST-2	39	P	
US	RSTRSA31	86 00	29	17864.52	97 00	62.00					COP	38 40	8 40	MODTES	CR		84 00		27M0F8W	RST-3	40	P	
US	RSTRSA51	140 00	29	17864 52	158 00	56 00					COP	38 40	8 40	MODTES	CR		84.00		27M0F8W	RST 5	42	P	
US	RSTRSD11	36 00	29	17864 52	38 00	53.00					COP	38.40	8 40	MODTES	CR		84 00		27M0G7W	RST-1	38	P	
US	RSTRSD21	56 00	29	17864 52	65.00	63.00					COP	38 40	8 40	MODTES	CR		84.00		27M0G7W	RST 2	39	P	
US	RSTRSD31	86 00	29	17864 52	97 00	62 00					COP	38 40	8 40	MODTES	CR		84.00		27M0G7W	RST-3	40	P	
US	RSTRSD51	140 00	29	17864 52	158 00	56 00					COP	38 40	8 40	MODTES	CR		84.00		27M0G7W	RST-5	42	P	
EN	SEN22200	-37 00	29	17864 52	-14 40	13 80	1 46	1 04	139.00	MODRSS		42.63		MODTES	CR		85 00		27M0F8W			P	
ON	TON21500	170 00	29	17864 52	-174 70	-18.00	1 41	0 68	85 00	MODRSS		44 63		MODTES	CR		84.00		27M0F8W			P	
AE	UAE27400	17 00	29	17864 52	53 60	24 40	0 98	0 80	162 00	MODRSS		45 50		MODTES	CL		84.00		27M0F8W			P	
SA	GUM33100	122 00	29	17864 52	151 10	11 60	6 46	3 49	179 00	MODRSS		30 90		MODTES	CR		87.00		27M0F8W		15	P	
SA	GUM33101	122 00	29	17864 52	-157 50	21 00	2 02	0 60	115 00	MODRSS		43.61		MODTES	CR		87.00		27M0F8W		15	P	
US	AUS00600	152 00	30	17883 70	135 50	-24 20	7.19	5 20	140 00	MODRSS		28.71		MODTES	CR		87 00		27M0F8W			P	
DI	BDI27000	11 00	30	17883 70	29 90	-3 10	0 71	0 60	80 00	MODRSS		48 15		MODTES	CR		84.00		27M0F8W			P	
OG	COG23500	-13 00	30	17883 70	14 60	-0 70	2 02	1 18	59 00	MODRSS		40 67		MODTES	CR		84.00		27M0F8W			P	
TI	CTI23700	-30 00	30	17883 70	-5 80	7 40	1 55	1 43	162 00	MODRSS		40.99		MODTES	CR		84.00		27M0F8W			P	4
	F2aA2762	-7 00	30	17883 70	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CL		76.60		27M0F9W	RADIOSAT-2	19	A	
	F3_A2762	-7 00	30	17883.70	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CL		76 60		27M0F9W	RADIOSAT-3	19	A	
	F3_A3362	-7 00	30	17883 70	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CL		76 60		33M0F9W	RADIOSAT-3	19	A	
	F3_D2762	-7 00	30	17883 70	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
	F3_D3362	-7 00	30	17883 70	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
	REU09700	29 00	30	17883 70	55 60	-19 20	1 56	0 78	96 00	MODRSS		43 59		MODTES	CL		84 00		27M0F8W		5	P	
	REU09701	29 00	30	17883.70	3 70	45 20	1 94	1 68	24 00	MODRSS		39 32		MODTES	CL		84 00		27M0F8W		5	P	
/EUT	E2WA7DA2	29 00	30	17883 70	16 30	44 30	5 77	2 96	11.00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DB2	29 00	30	17883 70	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DC2	29 00	30	17883.70	16 30	44.30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DD2	29 00	30	17883 70	16 30	44 30	5 77	2 96	11.00	R13RSS		32.50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DE2	29 00	30	17883.70	16 30	44.30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DF2	29 00	30	17883.70	16 30	44 30	5 77	2.96	11 00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DG2	29.00	30	17883.70	16 30	44.30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
;	G UKDBS	-33 50	30	17883 70	-3 50	53 80	1 84	0 72	142 00	MODRSS		43 20		MODTES	CL		84.00		27M0F8W	UKDBS-3		A	4
EO	GEO06400	23.00	30	17883.70	43 35	42.27	1.11	0 60	161 21	MODRSS		46 23		MODTES	CL		84.00		27M0F8W			P	4
ING	HNG10600	-1.00	30	17883 70	22 20	45 60	2.00	2 00	0 00	MODRSS		38.43		MODTES	CL		84.00		27M0F8W			P	
GZ	KGZ07000	44 00	30	17883.70	73 88	41.32	1.34	0 64	3.53	MODRSS		45.12		MODTES	CR		84.00		27M0F8W			P	4, 7
WT	KWT11300	17 00	30	17883 70	47 60	29 20	0 68	0 60	145.00	MODRSS		48.34		MODTES	CR		84.00		27M0F8W			P	
TN	MTN22300	-37.00	30	17883.70	-12.20	18 50	2 62	1 87	150.00	MODRSS		37.55		MODTES	CL		86.00		27M0F8W			P	
US	RSTRSA12	36.00	30	17883.70	38 00	53 00					COP	38 40	8.40	MODTES	CL		84.00		27M0F8W	RST-1	38	P	
US	RSTRSA22	56.00	30	17883 70	65 00	63 00					COP	38.40	8 40	MODTES	CL		84.00		27M0F8W	RST-2	39	P	
US	RSTRSA32	86 00	30	17883 70	97 00	62 00					COP	38.40	8 40	MODTES	CL		84.00		27M0F8W	RST-3	40	P	
US	RSTRSA52	140.00	30	17883 70	158 00	56 00					COP	38.40	8.40	MODTES	CL		84.00		27M0F8W	RST-5	42	P	
US	RSTRSD12	36 00	30	17883.70	38 00	53 00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-1	38	P	
US	RSTRSD22	56 00	30	17883 70	65 00	63.00					COP	38 40	8 40	MODTES	CL		84.00		27M0G7W	RST-2	39	P	
US	RSTRSD32	86.00	30	17883 70	97 00	62 00					COP	38 40	8 40	MODTES	CL		84.00		27M0G7W	RST-3	40	P	
US	RSTRSD52	140 00	30	17883 70	158 00	56 00					COP	38 40	8.40	MODTES	CL		84.00		27M0G7W	RST-5	42	P	
;	S 13900	5 00	30	17883.70	17 00	61.50	2 00	1 00	10 00	MODRSS		41 44		MODTES	CR		84.00		27M0F8W			P	

1	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
Adm Symb	Beam Identification	Orbital Position°	Channel	Centre Frequency	Boresight Long °	Boresight Lat °	Space Antenna Character. Major°	Space Antenna Character. Minor°	Space Antenna Character. Orient °	Space Antenna	Shap. Beam	Space Ant. Gain Co-pol.	Space Ant. Gain X-pol	Earth Antenna	Polarization Typ	Polarization Angle	EIRP dBW	Power Control	Designation of Emission	Satellite Identification	Group Code	Status	Remarks
SDN	SDN23100	-7 00	30	17883 70	29 90	12 90	2 64	2 08	155 00	MODRSS		37.05		MODTES	CR		86.00		27M0F8W			P	
SUI	SUI14000	-19 00	30	17883 70	8 20	46 60	0 98	0 70	171.00	MODRSS		46 08		MODTES	CR		84 00		27M0F8W			P	2
SYR	SYR22900	11.00	30	17883 70	38 30	34 90	1 04	0.90	7.00	MODRSS		44.73		MODTES	CL		84.00		27M0F8W			P	
TUN	TUN15000	-25 00	30	17883 70	9 50	33 50	1.88	0.72	135.00	MODRSS		43.13		MODTES	CL		84.00		27M0F8W			P	
AGL	AGL29500	-13 00	31	17902 88	16 50	-12 00	3 09	2 26	84 00	MODRSS		36.01		MODTES	CL		84 00		27M0F8W			P	
AUS	AUS00900	164.00	31	17902 88	136.00	-23 90	7 26	4 48	132 00	MODRSS		29.32		MODTES	CR		87 00		27M0F8W		78	P	
AUS	AUS0090A	164 00	31	17902 88	136 62	-24 16	6.82	4 20	134 19	R123FR		29.87		MODTES	CR		87.00		27M0F8W		78	P	4
AUS	AUS0090B	164 00	31	17902 88	136 62	-24.16	6 82	4.20	134 19	R123FR		29 87		MODTES	CR		87.00		27M0F8W		78	P	4
BHR	BHR25500	17.00	31	17902 88	50 50	26 10	0 60	0 60	0.00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W			P	
CVA	CVA08300	-37 00	31	17902 88	12 40	41 80	0 60	0.60	0 00	MODRSS		48.88		MODTES	CR		84.00		27M0F8W			P	
CZE	CZE14400	17 00	31	17902 88	15 50	49 79	0 92	0.60	174 55	MODRSS		47.02		MODTES	CR		84.00		27M0F8W			P	4
E	CNR13000	-30 00	31	17902 88	-15.70	28.40	1.54	0 60	5.00	MODRSS		44.79		MODTES	CR		84.00		27M0F8W		22	P	4
E	HISPASA2	-30 00	31	17902 88	-8 80	35 40	3 00	1 90	45.00	MODRSS		36.90		MODTES	CR		84.00		27M0F8W	HISPASAT-2	22	A	4
ERI	ERI09200	23 00	31	17902 88	39 41	14 98	1 67	0.95	145 48	MODRSS		42.44		MODTES	CL		84.00		27M0F8W			P	4
F	F2aA2773	-7 00	31	17902 88	3 88	48 20	0 70	0 70	0.00	MODRSS		41.00		MODTES	CR		76.60		27M0F9W	RADIOSAT-2	19	A	
F	F3_A2773	-7 00	31	17902 88	3 88	48 20	0 70	0.70	0 00	MODRSS		41.00		MODTES	CR		76 60		27M0F9W	RADIOSAT-3	19	A	
F	F3_A3373	-7.00	31	17902 88	3 88	48 20	0 70	0.70	0 00	MODRSS		41.00		MODTES	CR		76 60		33M0F9W	RADIOSAT-3	19	A	
F	F3_D2773	-7.00	31	17902.88	3 88	48 20	0 70	0.70	0 00	MODRSS		41.00		MODTES	CR		76.60		33M0G9W	RADIOSAT-3	19	A	
F	F3_D3373	-7 00	31	17902.88	3.88	48.20	0.70	0.70	0.00	MODRSS		41.00		MODTES	CR		76.60		33M0G9W	RADIOSAT-3	19	A	
F /EUT	E2WA7DA1	29.00	31	17902.88	16.30	44 30	5 77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DB1	29 00	31	17902 88	16 30	44.30	5.77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DC1	29 00	31	17902 88	16 30	44 30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DD1	29 00	31	17902 88	16.30	44.30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DE1	29.00	31	17902 88	16 30	44 30	5.77	2 96	11.00	R13RSS		32 50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DF1	29 00	31	17902 88	16.30	44 30	5 77	2.96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
F /EUT	E2WA7DG1	29.00	31	17902 88	16 30	44.30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
GHA	GHA10800	-25.00	31	17902 88	-1.20	7.90	1.48	1.06	102.00	MODRSS		42.49		MODTES	CR		83.00		27M0F8W			P	
GNE	GNE30300	-19 00	31	17902 88	10.30	1.50	0.68	0 60	10.00	MODRSS		48.34		MODTES	CR		84.00		27M0F8W			P	
HOL	HOL21300	-19.00	31	17902.88	5 40	52.00	0.76	0.60	171.00	MODRSS		47.86		MODTES	CL		84.00		27M0F8W			P	
ISL	ISL05000	5.00	31	17902 88	-19.50	61.00	2 20	0.80	4.00	MODRSS		41.99		MODTES	CL		84.00		27M0F8W			P	
JOR	JOR22400	11 00	31	17902.88	35.80	31.40	0.84	0.78	114.00	MODRSS		46.28		MODTES	CR		85.00		27M0F8W			P	
NOR	BIFROS21	-0 80	31	17902.88	17.00	61 50	2.00	1.00	10 00	MODRSS		41.00		MODTES	CR		84.00		27M0FXF	BIFROST-2		A	
RUS	RSTRSA11	36.00	31	17902.88	38 00	53 00					COP	38.40	8.40	MODTES	CR		84.00		27M0F8W	RST-1	38	P	
RUS	RSTRSA21	56.00	31	17902.88	65.00	63.00					COP	38 40	8.40	MODTES	CR		84.00		27M0F8W	RST-2	39	P	
RUS	RSTRSA31	86.00	31	17902.88	97.00	62.00					COP	38.40	8.40	MODTES	CR		84.00		27M0F8W	RST-3	40	P	
RUS	RSTRSA51	140.00	31	17902.88	158.00	56 00					COP	38.40	8.40	MODTES	CR		84.00		27M0F8W	RST-5	42	P	
RUS	RSTRSD11	36 00	31	17902.88	38.00	53.00					COP	38.40	8.40	MODTES	CR		84 00		27M0G7W	RST-1	38	P	
RUS	RSTRSD21	56 00	31	17902 88	65 00	63 00					COP	38.40	8.40	MODTES	CR		84 00		27M0G7W	RST-2	39	P	
RUS	RSTRSD31	86 00	31	17902 88	97.00	62.00					COP	38.40	8.40	MODTES	CR		84 00		27M0G7W	RST-3	40	P	
RUS	RSTRSD51	140.00	31	17902 88	158.00	56 00					COP	38.40	8 40	MODTES	CR		84 00		27M0G7W	RST-5	42	P	
RUS	RUS00400	110.00	31	17902.88	118.22	51.52					COP	38 40	8.40	MODTES	CR		84 00		27M0F8W			P	3, 4
SDN	SDN23000	-7.00	31	17902.88	29.90	9.80	2 95	2 17	123.00	MODRSS		36.38		MODTES	CL		86 00		27M0F8W			P	
SRL	SRL25900	-33 50	31	17902 88	-11.80	8 60	0.78	0.68	114.00	MODRSS		47.20		MODTES	CL		84 00		27M0F8W			P	4
TKM	TKM06800	44.00	31	17902 88	59.18	36.84	2.25	0 99	164.51	MODRSS		40 94		MODTES	CL		84 00		27M0F8W			P	4, 7
ZWE	ZWE13500	-1 00	31	17902.88	29.60	-18 80	1.46	1.36	37.00	MODRSS		41.47		MODTES	CR		85 00		27M0F8W			P	
ARM	ARM06400	23 00	32	17922 06	44 99	39.95	0.73	0.60	148.17	MODRSS		46.02		MODTES	CL		84 00		27M0F8W			P	4

	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
in	Beam	Orbital	Chan	Centre	Boresight		Space Antenna Character			Space	Shap	Space Ant Gain		Earth	Polarization		EIRP	Power	Designation	Satellite	Group	Status	Re-
nb	Identification	Position°	nel	Frequency	Long °	Lat °	Major°	Minor°	Orient °	Antenna	Beam	Co-pol	X-pol	Antenna	Typ	Angle	dBW	Control	of Emission	Identification	Code		marks
	AUS00600	152 00	32	17922 06	135 50	-24 20	7 19	5 20	140 00	MODRSS		28 71		MODTES	CR		87 00		27M0F8W			P	
	CAF25800	-13 00	32	17922 06	21 00	6 30	2 25	1 68	31 00	MODRSS		38 67		MODTES	CR		84 00		27M0F8W			P	
	F2_A2788	-7 00	32	17922 06	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		84 00		27M0F9W	RADIOSAT-2	19	A	
	F2aA2784	-7 00	32	17922 06	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CL		76 60		27M0F9W	RADIOSAT-2	19	A	
	F2aA2788	-7 00	32	17922 06	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CL		76 60		27M0F9W	RADIOSAT-2	19	A	
	F3_A2784	-7 00	32	17922 06	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CL		76.60		27M0F9W	RADIOSAT-3	19	A	
	F3_A2788	-7 00	32	17922 06	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CL		76 60		27M0F9W	RADIOSAT-3	19	A	
	F3_A3384	-7 00	32	17922 06	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CL		76 60		33M0F9W	RADIOSAT-3	19	A	
	F3_A3388	-7 00	32	17922 06	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CL		76 60		33M0F9W	RADIOSAT-3	19	A	
	F3_D2784	-7 00	32	17922 06	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
	F3_D2788	-7 00	32	17922 06	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
	F3_D3384	-7.00	32	17922 06	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
	F3_D3388	-7 00	32	17922 06	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CL		76.60		33M0G9W	RADIOSAT-3	19	A	
	MYT09800	29 00	32	17922 06	45 10	-12 80	0 60	0 60	0 00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W		7	P	
	MYT09801	29 00	32	17922 06	3 60	45 60	1 97	1 71	22 00	MODRSS		39 17		MODTES	CL		84.00		27M0F8W		7	P	
EUT	E2WA7DA2	29 00	32	17922 06	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
EUT	E2WA7DB2	29 00	32	17922 06	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
EUT	E2WA7DC2	29 00	32	17922 06	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
EUT	E2WA7DD2	29 00	32	17922 06	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
EUT	E2WA7DE2	29 00	32	17922 06	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
EUT	E2WA7DF2	29 00	32	17922 06	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84.00		27M0F9W	EUROPESAT-1	16	AE	9
EUT	E2WA7DG2	29 00	32	17922 06	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
	I 08200	-19 00	32	17922 06	12 30	41 30	2 38	0 98	137 00	MODRSS		40 77		MODTES	CR		84 00		27M0F8W			P	
I	IRQ25600	11.00	32	17922 06	43 50	33 00	2 28	1 32	145 00	MODRSS		39 66		MODTES	CL		84.00		27M0F8W			P	
Z	KAZ06600	44 00	32	17922 06	64 72	46.40	4 31	1 70	172.22	MODRSS		35 79		MODTES	CR		84.00		27M0F8W			P	4, 7
O	LSO30500	5.00	32	17922 06	27 80	-29 80	0 66	0.60	36 00	MODRSS		48 47		MODTES	CL		84.00		27M0F8W			P	
N	MTN28800	-37.00	32	17922 06	-7 80	23 40	1 63	1 10	141.00	MODRSS		41.91		MODTES	CL		86 00		27M0F8W			P	
M	MWI30600	-1 00	32	17922 06	34 10	-13 00	1 54	0 80	87 00	MODRSS		44 79		MODTES	CL		84 00		27M0F8W			P	
R	NGR11500	-25.00	32	17922 06	8 30	16 80	2.54	2.08	44.00	MODRSS		37 22		MODTES	CL		85.00		27M0F8W			P	
R	BIFROS22	-0 80	32	17922 06	17 00	61 50	2 00	1 00	10.00	MODRSS		41.00		MODTES	CL		84 00		27M0FXF	BIFROST-2		A	
R	NOR12102	5 00	32	17922 06	17.00	61 50	2 00	1 00	10 00	R13RSS		41.44		R13TES	CR		84.00		27M0F8W			PE	
A	OMA12300	17.00	32	17922 06	55 60	21.00	1 88	1 02	100.00	MODRSS		41.62		MODTES	CR		85.00		27M0F8W			P	
R	AZR13400	-30.00	32	17922 06	-23 40	36.10	2 56	0 70	158.00	MODRSS		41.91		MODTES	CL		84.00		27M0F8W			P	
S	RSTRSA12	36.00	32	17922 06	38 00	53 00					COP	38.40	8.40	MODTES	CL		84.00		27M0F8W	RST-1	38	P	
S	RSTRSA22	56 00	32	17922 06	65 00	63 00					COP	38.40	8 40	MODTES	CL		84.00		27M0F8W	RST-2	39	P	
S	RSTRSA32	86 00	32	17922 06	97 00	62 00					COP	38.40	8 40	MODTES	CL		84.00		27M0F8W	RST-3	40	P	
S	RSTRSA52	140 00	32	17922 06	158 00	56 00					COP	38 40	8.40	MODTES	CL		84.00		27M0F8W	RST-5	42	P	
S	RSTRSD12	36.00	32	17922 06	38 00	53 00					COP	38.40	8 40	MODTES	CL		84.00		27M0G7W	RST-1	38	P	
S	RSTRSD22	56.00	32	17922 06	65 00	63 00					COP	38.40	8 40	MODTES	CL		84.00		27M0G7W	RST-2	39	P	
S	RSTRSD32	86 00	32	17922.06	97 00	62 00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-3	40	P	
S	RSTRSD52	140.00	32	17922.06	158 00	56 00					COP	38 40	8 40	MODTES	CL		84.00		27M0G7W	RST-5	42	P	
N	SDN23200	-7 00	32	17922 06	29.60	18 40	2 54	2 09	167 00	MODRSS		37 20		MODTES	CR		86 00		27M0F8W			P	
B	ALB29600	-7 00	33	17941 24	20 10	41 00	1.17	0.85	128.00	MODRSS		45.64		MODTES	CL		84 00		27M0F8W			P	
L	BEL01800	-19.00	33	17941 24	4 60	50 60	0.82	0 60	167.00	MODRSS		47.53		MODTES	CL		84.00		27M0F8W			P	
A	BFA10700	-30 00	33	17941 24	-1 50	12.20	1.45	1 14	29 00	MODRSS		42.26		MODTES	CL		84.00		27M0F8W			P	4
P	CYP08600	5.00	33	17941 24	33 30	35 10	0.60	0.60	0.00	MODRSS		48 88		MODTES	CL		84 00		27M0F8W			P	