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
D	D2-21600	-1 00	33	17941 24	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	33	17941 24	42 50	11 60	0 60	0 60	0 00	MODRSS		48 88		MODTES	CL		84 00		27M0F8W			P	
E	HISPASA2	-30 00	33	17941 24	-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	33	17941 24	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	33	17941 24	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	33	17941 24	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	33	17941 24	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	33	17941 24	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	33	17941 24	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	33	17941 24	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	33	17941 24	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	33	17941 24	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	33	17941 24	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	33	17941 24	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	33	17941 24	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	33	17941 24	-19 00	64 90	1 00	0 60	177 00	MODRSS		46 67		MODTES	CR		82 00		27M0F8W			P	
KEN	KEN24900	11 00	33	17941 24	37 90	1 10	2 29	1 56	94 00	MODRSS		38 92		MODTES	CL		84 00		27M0F8W			P	
LVA	LVA06100	23 00	33	17941 24	24 53	56 20	0 83	0 60	0 05	MODRSS		47 50		MODTES	CR		84 00		27M0F8W			P	4
MCO	MCO11600	-37 00	33	17941 24	7 40	43 70	0 60	0 60	0.00	MODRSS		48 88		MODTES	CL		83 00		27M0F8W			P	
MNG	MNG24800	74 00	33	17941 24	107 50	47 80	2 00	2 00	0 00	MODRSS		38 43		MODTES	CR		89 02		27M0F8W			P	
RUS	RSTRSA11	36 00	33	17941 24	38.00	53 00					COP	38 40	8 40	MODTES	CR		84 00		27M0F8W	RST-1	38	P	
RUS	RSTRSA21	56 00	33	17941 24	65 00	63 00					COP	38.40	8 40	MODTES	CR		84 00		27M0F8W	RST-2	39	P	
RUS	RSTRSA31	86 00	33	17941 24	97 00	62 00					COP	38 40	8 40	MODTES	CR		84 00		27M0F8W	RST-3	40	P	
RUS	RSTRSA51	140 00	33	17941 24	158 00	56 00					COP	38 40	8 40	MODTES	CR		84 00		27M0F8W	RST-5	42	P	
RUS	RSTRSD11	36 00	33	17941.24	38 00	53 00					COP	38.40	8.40	MODTES	CR		84.00		27M0G7W	RST-1	38	P	
RUS	RSTRSD21	56.00	33	17941 24	65 00	63 00					COP	38.40	8.40	MODTES	CR		84 00		27M0G7W	RST-2	39	P	
RUS	RSTRSD31	86 00	33	17941 24	97.00	62 00					COP	38 40	8.40	MODTES	CR		84 00		27M0G7W	RST-3	40	P	
RUS	RSTRSD51	140.00	33	17941 24	158 00	56.00					COP	38.40	8.40	MODTES	CR		84.00		27M0G7W	RST-5	42	P	
SEN	SEN22200	-37 00	33	17941 24	-14 40	13 80	1 46	1.04	139 00	MODRSS		42.63		MODTES	CR		85 00		27M0F8W			P	
TON	TON21500	170 00	33	17941.24	-174.70	-18 00	1.41	0.68	85 00	MODRSS		44 63		MODTES	CR		84 00		27M0F8W			P	
UAE	UAE27400	17.00	33	17941.24	53.60	24 40	0 98	0 80	162.00	MODRSS		45 50		MODTES	CL		84.00		27M0F8W			P	
USA	GUM33100	122.00	33	17941 24	151.10	11 60	6 48	3.49	179.00	MODRSS		30.90		MODTES	CR		87.00		27M0F8W		15	P	
USA	GUM33101	122 00	33	17941 24	-157.50	21.00	2.02	0.60	115.00	MODRSS		43.61		MODTES	CR		87.00		27M0F8W		15	P	
BDI	BDI27000	11.00	34	17960.42	29.90	-3 10	0.71	0.60	60.00	MODRSS		48.15		MODTES	CR		84 00		27M0F8W			P	
COG	COG23500	-13.00	34	17960.42	14.60	-0.70	2.02	1.18	59.00	MODRSS		40.67		MODTES	CR		84 00		27M0F8W			P	
CTI	CTI23700	-30 00	34	17960.42	-5 80	7.40	1.55	1.43	162.00	MODRSS		40.99		MODTES	CR		84 00		27M0F8W			P	4
F	F2aA2762	-7.00	34	17960.42	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	34	17960.42	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	34	17960.42	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	34	17960 42	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	34	17960 42	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	34	17960 42	55 60	-19 20	1 56	0 78	96 00	MODRSS		43 59		MODTES	CL		84 00		27M0F8W		5	P	
F	REU09701	29.00	34	17960 42	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	34	17960 42	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	34	17960 42	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	34	17960 42	16 30	44 30	5.77	2.96	11.00	R13RSS		32.50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9

	2	3	4	5	6		7			8	9	10		11	12		13	14	15	16	17	18	19
m	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
UT	E2WA7DD2	29 00	34	17960 42	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
UT	E2WA7DE2	29 00	34	17960 42	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
UT	E2WA7DF2	29 00	34	17960 42	16 30	44 30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CR		84 00		27M0F9W	EUROPESAT-1	16	AE	9
UT	E2WA7DG2	29 00	34	17960 42	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	34	17960 42	-3 50	53 80	1 84	0 72	142 00	MODRSS		43 20		MODTES	CL		84 00		27M0F8W	UKDBS-3		A	4
)	GEO06400	23 00	34	17960 42	43 35	42 27	1 11	0 60	161 21	MODRSS		46 23		MODTES	CL		84 00		27M0F8W			P	4
S	HNG10600	-1 00	34	17960 42	22 20	45 60	2 00	2 00	0 00	MODRSS		38 43		MODTES	CL		84 00		27M0F8W			P	
:	KGZ07000	44 00	34	17960 42	73 88	41 32	1 34	0 84	3 53	MODRSS		45 12		MODTES	CR		84 00		27M0F8W			P	4, 7
T	KWT11300	17 00	34	17960 42	47 60	29 20	0 68	0 60	145 00	MODRSS		48 34		MODTES	CR		84 00		27M0F8W			P	
I	MTN22300	-37 00	34	17960 42	-12 20	18 50	2 62	1 87	150 00	MODRSS		37 55		MODTES	CL		86 00		27M0F8W			P	
S	RSTRSA12	36 00	34	17960 42	38 00	53 00					COP	38 40	8 40	MODTES	CL		84 00		27M0F8W	RST-1	38	P	
S	RSTRSA22	56 00	34	17960 42	65 00	63 00					COP	38 40	8 40	MODTES	CL		84 00		27M0F8W	RST-2	39	P	
S	RSTRSA32	86 00	34	17960 42	97 00	62 00					COP	38 40	8 40	MODTES	CL		84 00		27M0F8W	RST-3	40	P	
S	RSTRSA52	140 00	34	17960 42	158 00	56 00					COP	38 40	8 40	MODTES	CL		84 00		27M0F8W	RST-5	42	P	
S	RSTRSD12	36 00	34	17960 42	38 00	53 00					COP	38 40	8 40	MODTES	CL		84 00		27M0G7W	RST-1	38	P	
S	RSTRSD22	56 00	34	17960 42	65 00	63 00					COP	38 40	8 40	MODTES	CL		84 00		27M0G7W	RST-2	39	P	
S	RSTRSD32	86 00	34	17960 42	97 00	62 00					COP	38 40	8 40	MODTES	CL		84 00		27M0G7W	RST-3	40	P	
S	RSTRSD52	140 00	34	17960 42	158 00	56 00					COP	38 40	8 40	MODTES	CL		84 00		27M0G7W	RST-5	42	P	
	S 13800	5 00	34	17960 42	17 00	61 50	2 00	1 00	10 00	MODRSS		41 44		MODTES	CR		84 00		27M0F8W		27	P	
N	SDN23100	-7 00	34	17960 42	29 90	12 90	2 64	2 08	155 00	MODRSS		37 05		MODTES	CR		86 00		27M0F8W			P	
	SUI14000	-19 00	34	17960 42	8 20	46 60	0 98	0 70	171 00	MODRSS		46 08		MODTES	CR		84 00		27M0F8W			P	2
R	SYR22900	11 00	34	17960 42	38 30	34 90	1 04	0 90	7 00	MODRSS		44 73		MODTES	CL		84 00		27M0F8W			P	
N	TUN15000	-25 00	34	17960 42	9 50	33 50	1 88	0 72	135 00	MODRSS		43 13		MODTES	CL		84 00		27M0F8W			P	
L	AGL29500	-13 00	35	17979 60	16 50	-12 00	3 09	2 26	84 00	MODRSS		36 01		MODTES	CL		84 00		27M0F8W			P	
S	AUS00900	164 00	35	17979 60	136 00	-23 90	7 26	4 48	132 00	MODRSS		29 32		MODTES	CR		87 00		27M0F8W		78	P	
S	AUS0090A	164 00	35	17979 60	136 62	-24 16	6 82	4 20	134 19	R123FR		29 87		MODTES	CR		87 00		27M0F8W		78	P	4
S	AUS0090B	164 00	35	17979 60	136 62	-24 16	6 82	4 20	134 19	R123FR		29 87		MODTES	CR		87 00		27M0F8W		78	P	4
R	BHR25500	17 00	35	17979 60	50 50	26 10	0 60	0 60	0 00	MODRSS		48 88		MODTES	CL		84 00		27M0F8W			P	
A	CVA08300	-37 00	35	17979 60	12 40	41 80	0 60	0 60	0 00	MODRSS		48 88		MODTES	CR		84 00		27M0F8W			P	
E	CZE14400	17 00	35	17979 60	15 50	49 79	0 92	0 60	174 55	MODRSS		47 02		MODTES	CR		84 00		27M0F8W			P	4
K	DNK09100	5 00	35	17979 60	-19 50	61 00	2 20	0 80	4 00	MODRSS		41 99		MODTES	CL		84 00		27M0F8W			P	
	CNR13000	-30 00	35	17979 60	-15.70	28 40	1 54	0 60	5 00	MODRSS		44 79		MODTES	CR		84 00		27M0F8W		22	P	4
	HISPASA2	-30 00	35	17979 60	-8 80	35 40	3 00	1 90	45 00	MODRSS		36 90		MODTES	CR		84 00		27M0F8W	HISPASAT-2	22	A	4
I	ERI09200	23 00	35	17979 60	39 41	14 98	1 67	0 95	145 48	MODRSS		42.44		MODTES	CL		84 00		27M0F8W			P	4
	F2aA2773	-7 00	35	17979 60	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		27M0F9W	RADIOSAT-2	19	A	
	F3_A2773	-7 00	35	17979 60	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		27M0F9W	RADIOSAT-3	19	A	
	F3_A3373	-7 00	35	17979 60	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		33M0F9W	RADIOSAT-3	19	A	
	F3_D2773	-7 00	35	17979 60	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
	F3_D3373	-7 00	35	17979 60	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
EUT	E2WA7DA1	29.00	35	17979 60	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	35	17979 60	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	35	17979 60	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	35	17979 60	16 30	44 30	5.77	2 96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
EUT	E2WA7DE1	29 00	35	17979 60	16 30	44 30	5.77	2 96	11 00	R13RSS		32.50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
EUT	E2WA7DF1	29 00	35	17979 60	16 30	44 30	5.77	2.96	11 00	R13RSS		32 50		R13TES	CL		84 00		27M0F9W	EUROPESAT-1	16	AE	9
EUT	E2WA7DG1	29.00	35	17979 60	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
GHA	GHA10800	-25 00	35	17979 60	-1 20	7 90	1 48	1 06	102 00	MODRSS		42 49		MODTES	CR		83 00		27M0F8W			P	
GNE	GNE30300	-19 00	35	17979 60	10 30	1 50	0 68	0 60	10 00	MODRSS		48 34		MODTES	CR		84 00		27M0F8W			P	
HOL	HOL21300	-19 00	35	17979 60	5 40	52 00	0 76	0 60	171 00	MODRSS		47 86		MODTES	CL		84 00		27M0F8W			P	
JOR	JOR22400	11 00	35	17979 60	35 80	31 40	0 84	0 78	114 00	MODRSS		46 28		MODTES	CR		85 00		27M0F8W			P	
NOR	BIFROS21	-0 80	35	17979 60	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	35	17979 60	38 00	53 00					COP	38 40	8.40	MODTES	CR		84 00		27M0F8W	RST-1	38	P	
RUS	RSTRSA21	56 00	35	17979 60	65 00	63 00					COP	38 40	8 40	MODTES	CR		84.00		27M0F8W	RST-2	39	P	
RUS	RSTRSA31	86 00	35	17979 60	97 00	62 00					COP	38 40	8 40	MODTES	CR		84 00		27M0F8W	RST-3	40	P	
RUS	RSTRSA51	140 00	35	17979 60	158 00	56 00					COP	38 40	8 40	MODTES	CR		84 00		27M0F8W	RST-5	42	P	
RUS	RSTRSD11	36 00	35	17979 60	38 00	53 00					COP	38 40	8.40	MODTES	CR		84 00		27M0G7W	RST-1	38	P	
RUS	RSTRSD21	56 00	35	17979 60	65 00	63 00					COP	38 40	8 40	MODTES	CR		84 00		27M0G7W	RST-2	39	P	
RUS	RSTRSD31	86 00	35	17979 60	97 00	62 00					COP	38 40	8 40	MODTES	CR		84 00		27M0G7W	RST-3	40	P	
RUS	RSTRSD51	140 00	35	17979 60	158 00	56 00					COP	38 40	8 40	MODTES	CR		84 00		27M0G7W	RST-5	42	P	
RUS	RUS00400	110 00	35	17979 60	118 22	51 52					COP	38 40	8 40	MODTES	CR		84 00		27M0F8W			P	3, 4
SDN	SDN23000	-7 00	35	17979 60	29 90	9 80	2 95	2 17	123 00	MODRSS		36 38		MODTES	CL		86 00		27M0F8W			P	
SRL	SRL25900	-33 50	35	17979 60	-11 80	6 60	0 78	0 68	114 00	MODRSS		47 20		MODTES	CL		84 00		27M0F8W			P	4
TKM	TKM06800	44 00	35	17979 60	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	35	17979 60	29 60	-18 80	1 46	1 36	37 00	MODRSS		41 47		MODTES	CR		85 00		27M0F8W			P	
ARM	ARM06400	23 00	36	17998 78	44 99	39 95	0 73	0 60	148 17	MODRSS		48 02		MODTES	CL		84 00		27M0F8W			P	4
AUS	AUS00600	152 00	36	17998 78	135 50	-24 20	7 19	5 20	140 00	MODRSS		28 71		MODTES	CR		87 00		27M0F8W			P	
CAF	CAF25800	-13 00	36	17998 78	21 00	6 30	2 25	1 68	31 00	MODRSS		38 67		MODTES	CR		84 00		27M0F8W			P	
DNK	DNK09000	5 00	36	17998 78	17 00	61 50	2 00	1 00	10 00	MODRSS		41 44		MODTES	CR		84 00		27M0F8W			P	
F	F2_A2788	-7 00	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	45 10	-12 80	0.60	0 60	0 00	MODRSS		48 88		MODTES	CL		84 00		27M0F8W		7	P	
F	MYT09801	29 00	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	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	36	17998 78	12 30	41 30	2 38	0.98	137 00	MODRSS		40 77		MODTES	CR		84 00		27M0F8W			P	
IRQ	IRQ25600	11 00	36	17998 78	43 50	33 00	2 28	1 32	145 00	MODRSS		39 66		MODTES	CL		84 00		27M0F8W			P	
KAZ	KAZ06600	44 00	36	17998 78	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	36	17998 78	27 80	-29 80	0 66	0 60	38 00	MODRSS		48 47		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
MTN	MTN28800	-37 00	36	17998 78	-7 80	23 40	1 63	1 10	141 00	MODRSS		41 91		MODTES	CL		86 00		27M0F8W			P	
MWI	MWI30800	-1 00	36	17998 78	34 10	-13 00	1 54	0 60	87 00	MODRSS		44 79		MODTES	CL		84.00		27M0F8W			P	
NGR	NGR11500	-25 00	36	17998 78	8 30	16 80	2 54	2 08	44 00	MODRSS		37 22		MODTES	CL		85 00		27M0F8W			P	
NOR	BIFROS22	-0 80	36	17998 78	17 00	61 50	2 00	1 00	10 00	MODRSS		41 00		MODTES	CL		84.00		27M0FXF	BIFROST-2		A	
OMA	OMA12300	17 00	36	17998 78	55 60	21 00	1 88	1 02	100 00	MODRSS		41 82		MODTES	CR		85 00		27M0F8W			P	
POR	AZR13400	-30 00	36	17998 78	-23 40	36 10	2 56	0 70	158 00	MODRSS		41 91		MODTES	CL		84 00		27M0F8W			P	7
RUS	RSTRSA12	36 00	36	17998 78	38 00	53 00					COP	38 40	8 40	MODTES	CL		84 00		27M0F8W	RST-1	38	P	
RUS	RSTRSA22	56 00	36	17998 78	65 00	63 00					COP	38 40	8 40	MODTES	CL		84 00		27M0F8W	RST-2	39	P	
RUS	RSTRSA32	86 00	36	17998 78	97 00	62 00					COP	38 40	8.40	MODTES	CL		84 00		27M0F8W	RST-3	40	P	
RUS	RSTRSA52	140 00	36	17998 78	158 00	56 00					COP	38 40	8 40	MODTES	CL		84.00		27M0F8W	RST-5	42	P	
RUS	RSTRSD12	36 00	36	17998 78	38 00	53 00					COP	38 40	8 40	MODTES	CL		84.00		27M0G7W	RST-1	38	P	
RUS	RSTRSD22	56 00	36	17998 78	65 00	63 00					COP	38 40	8 40	MODTES	CL		84.00		27M0G7W	RST-2	39	P	
RUS	RSTRSD32	86 00	36	17998 78	97 00	62.00					COP	38.40	8 40	MODTES	CL		84.00		27M0G7W	RST-3	40	P	
RUS	RSTRSD52	140 00	36	17998 78	158 00	56 00					COP	38 40	8.40	MODTES	CL		84 00		27M0G7W	RST-5	42	P	
SDN	SDN23200	-7 00	36	17998 78	29 60	18 40	2 54	2 09	167 00	MODRSS		37.20		MODTES	CR		86.00		27M0F8W			P	
ALB	ALB29600	-7 00	37	18017 96	20 10	41 00	1 17	0 65	128 00	MODRSS		45 64		MODTES	CL		84.00		27M0F8W			P	
BEL	BEL01800	-19 00	37	18017 96	4 60	50 60	0 82	0 60	167.00	MODRSS		47 53		MODTES	CL		84 00		27M0F8W			P	
BFA	BFA10700	-30 00	37	18017 96	-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	37	18017 96	33 30	35 10	0 60	0 60	0 00	MODRSS		48 88		MODTES	CL		84 00		27M0F8W			P	
D	D2-21600	-1 00	37	18017 96	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	37	18017 96	42 50	11 60	0 60	0 60	0 00	MODRSS		48 88		MODTES	CL		84.00		27M0F8W			P	
E	HISPASA2	-30 00	37	18017 96	-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	37	18017 96	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	37	18017 96	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	37	18017 96	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	37	18017 96	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	37	18017 96	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	37	18017.96	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	37	18017 96	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	37	18017 96	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	37	18017.96	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	37	18017 96	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	37	18017 96	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	37	18017.96	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	37	18017.96	-19.00	64.90	1.00	0.60	177.00	MODRSS		46.67		MODTES	CR		82.00		27M0F8W			P	
KEN	KEN24900	11.00	37	18017.96	37.90	1.10	2.29	1 56	94.00	MODRSS		38.92		MODTES	CL		84.00		27M0F8W			P	
LVA	LVA06100	23.00	37	18017 96	24 53	56 20	0.83	0 60	0.05	MODRSS		47.50		MODTES	CR		84.00		27M0F8W			P	4
MCO	MCO11600	-37.00	37	18017.96	7 40	43 70	0.60	0 60	0.00	MODRSS		48.88		MODTES	CL		83.00		27M0F8W			P	
MNG	MNG24800	74 00	37	18017.96	107 50	47 80	2 00	2 00	0.00	MODRSS		38.43		MODTES	CR		89.02		27M0F8W			P	
RUS	RSTRSA11	36.00	37	18017.96	38 00	53 00					COP	38.40	8.40	MODTES	CR		84.00		27M0F8W	RST-1	38	P	
RUS	RSTRSA21	56.00	37	18017.96	65 00	63.00					COP	38.40	8.40	MODTES	CR		84.00		27M0F8W	RST-2	39	P	
RUS	RSTRSA31	86.00	37	18017 96	97 00	62 00					COP	38.40	8.40	MODTES	CR		84.00		27M0F8W	RST-3	40	P	
RUS	RSTRSA51	140.00	37	18017.96	158.00	56.00					COP	38.40	8.40	MODTES	CR		84.00		27M0F8W	RST-5	42	P	
RUS	RSTRSD11	36.00	37	18017.96	38 00	53 00					COP	38.40	8 40	MODTES	CR		84.00		27M0G7W	RST-1	38	P	
RUS	RSTRSD21	56 00	37	18017 96	65 00	63 00					COP	38.40	8.40	MODTES	CR		84 00		27M0G7W	RST-2	39	P	
RUS	RSTRSD31	86 00	37	18017 96	97 00	62 00					COP	38.40	8.40	MODTES	CR		84.00		27M0G7W	RST-3	40	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
RUS	RSTRSD51	140 00	37	18017 96	158 00	56 00					COP	38.40	8.40	MODTES	CR		84 00		27M0G7W	RST-5	42	P	
SEN	SEN22200	-37 00	37	18017 96	-14 40	13 80	1 46	1 04	139 00	MODRSS		42.63		MODTES	CR		85.00		27M0F8W			P	
UAE	UAE27400	17 00	37	18017 96	53 60	24 40	0 98	0 80	162 00	MODRSS		45.50		MODTES	CL		84.00		27M0F8W			P	
USA	GUM33100	122 00	37	18017.96	151 10	11 60	6 48	3 49	179 00	MODRSS		30.90		MODTES	CR		87.00		27M0F8W		15	P	
USA	GUM33101	122 00	37	18017.96	-157 50	21 00	2 02	0 60	115 00	MODRSS		43.61		MODTES	CR		87.00		27M0F8W		15	P	
BDI	BDI27000	11 00	38	18037 14	29 90	-3.10	0 71	0 60	80 00	MODRSS		48.15		MODTES	CR		84.00		27M0F8W			P	
COG	COG23500	-13 00	38	18037 14	14 60	-0 70	2 02	1 18	59.00	MODRSS		40.67		MODTES	CR		84.00		27M0F8W			P	
CTI	CTI23700	-30 00	38	18037.14	-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	38	18037 14	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	38	18037 14	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	38	18037 14	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	38	18037 14	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	38	18037 14	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	38	18037.14	55 60	-19 20	1 56	0 78	96 00	MODRSS		43.59		MODTES	CL		84.00		27M0F8W		5	P	
F	REU09701	29 00	38	18037 14	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	38	18037 14	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	38	18037 14	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	38	18037 14	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	38	18037 14	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	38	18037.14	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	38	18037 14	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	38	18037 14	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 UKDBS	-33.50	38	18037.14	-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	38	18037 14	43 35	42 27	1 11	0 60	161.21	MODRSS		46.23		MODTES	CL		84.00		27M0F8W			P	4
HNG	HNG10600	-1 00	38	18037.14	22 20	45 60	2 00	2.00	0 00	MODRSS		38.43		MODTES	CL		84 00		27M0F8W			P	
KGZ	KGZ07000	44 00	38	18037.14	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	38	18037 14	47.60	29 20	0 88	0.60	145.00	MODRSS		48.34		MODTES	CR		84.00		27M0F8W			P	
MTN	MTN22300	-37.00	38	18037 14	-12 20	18 50	2 62	1.87	150.00	MODRSS		37.55		MODTES	CL		86.00		27M0F8W			P	
NOR	NOR12000	5 00	38	18037.14	17.00	61 50	2 00	1.00	10.00	MODRSS		41.44		MODTES	CR		84.00		27M0F8W			P	
RUS	RSTRSA12	36 00	38	18037.14	38 00	53 00					COP	38.40	8.40	MODTES	CL		84.00		27M0F8W	RST-1	38	P	
RUS	RSTRSA22	56 00	38	18037.14	65.00	63 00					COP	38 40	8.40	MODTES	CL		84.00		27M0F8W	RST-2	39	P	
RUS	RSTRSA32	86 00	38	18037.14	97.00	62 00					COP	38 40	8.40	MODTES	CL		84.00		27M0F8W	RST-3	40	P	
RUS	RSTRSA52	140 00	38	18037.14	158.00	56.00					COP	38.40	8.40	MODTES	CL		84.00		27M0F8W	RST-5	42	P	
RUS	RSTRSD12	36.00	38	18037.14	38 00	53.00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-1	38	P	
RUS	RSTRSD22	56 00	38	18037.14	65.00	63.00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-2	39	P	
RUS	RSTRSD32	86.00	38	18037.14	97.00	62 00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-3	40	P	
RUS	RSTRSD52	140.00	38	18037.14	158.00	56.00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-5	42	P	
SDN	SDN23100	-7.00	38	18037.14	29.90	12.90	2.64	2.08	155.00	MODRSS		37.05		MODTES	CR		86.00		27M0F8W			P	
SUI	SUI14000	-19 00	38	18037.14	8.20	46.60	0.98	0.70	171.00	MODRSS		46.08		MODTES	CR		84.00		27M0F8W			P	2
SYR	SYR33900	11.00	38	18037.14	37.60	34.20	1.32	0.88	74.00	MODRSS		43.80		MODTES	CL		84.00		27M0F8W			P	
TUN	TUN27200	-25.00	38	18037.14	2.50	32.00	3.59	1.75	175.00	MODRSS		36.47		MODTES	CL		84.00		27M0F8W			P	
AGL	AGL29500	-13.00	39	18056.32	16.50	-12.00	3.09	2.26	84.00	MODRSS		36.01		MODTES	CL		84.00		27M0F8W			P	
AUS	AUS00900	164.00	39	18056.32	136.00	-23.90	7 26	4.48	132.00	MODRSS		29.32		MODTES	CR		87.00		27M0F8W		78	P	
AUS	AUS0090A	164.00	39	18056.32	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	39	18056 32	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	39	18056.32	50.50	26.10	0 60	0 60	0.00	MODRSS		46.88		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
din.	Beam	Orbital	Chan	Centre	Boresight		Space Antenna Character			Space	Shap	Space Ant. Gain		Earth	Polarization		EIRP	Power	Designation	Satellite	Group	Status	Re-
ymb	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
A	CVA08300	-37 00	39	18056 32	12 40	41 80	0 60	0 60	0 00	MODRSS		48 88		MODTES	CR		84 00		27M0F8W			P	
E	CZE14400	17 00	39	18056 32	15 50	49 79	0 92	0 60	174 55	MODRSS		47 02		MODTES	CR		84 00		27M0F8W			P	4
	CNR13000	-30 00	39	18056 32	-15 70	28 40	1 54	0 60	5 00	MODRSS		44 79		MODTES	CR		84 00		27M0F8W		22	P	4, 7
	HISPASA2	-30 00	39	18056 32	-8 80	35 40	3 00	1 90	45 00	MODRSS		36 90		MODTES	CR		84 00		27M0F8W	HISPASAT-2	22	A	4, 7
I	ERI09200	23 00	39	18056 32	39 41	14 98	1 67	0 95	145 48	MODRSS		42 44		MODTES	CL		84 00		27M0F8W			P	4
	F2aA2773	-7 00	39	18056 32	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76.60		27M0F9W	RADIOSAT-2	19	A	
	F3_A2773	-7 00	39	18056 32	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		27M0F9W	RADIOSAT-3	19	A	
	F3_A3373	-7 00	39	18056 32	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		33M0F9W	RADIOSAT-3	19	A	
	F3_D2773	-7 00	39	18056 32	3 88	48 20	0 70	0 70	0 00	MODRSS		41 00		MODTES	CR		76 60		33M0G9W	RADIOSAT-3	19	A	
	F3_D3373	-7 00	39	18056 32	3 88	48 20	0 70	0 70	0 00	MODRSS		41.00		MODTES	CR		76.60		33M0G9W	RADIOSAT-3	19	A	
/EUT	E2WA7DA1	29 00	39	18056 32	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	39	18056 32	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	39	18056 32	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	39	18056 32	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DE1	29 00	39	18056 32	16 30	44 30	5 77	2 96	11 00	R13RSS		32.50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DF1	29 00	39	18056 32	16 30	44.30	5 77	2 96	11 00	R13RSS		32 50		R13TES	CL		84.00		27M0F9W	EUROPESAT-1	16	AE	9
/EUT	E2WA7DG1	29 00	39	18056 32	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	39	18056 32	-1 20	7 90	1 48	1 06	102 00	MODRSS		42 49		MODTES	CR		83.00		27M0F8W			P	
NE	GNE30300	-19 00	39	18056 32	10 30	1 50	0 68	0 60	10 00	MODRSS		48.34		MODTES	CR		84.00		27M0F8W			P	
OL	HOL21300	-19 00	39	18056 32	5 40	52 00	0 78	0 60	171.00	MODRSS		47.86		MODTES	CL		84.00		27M0F8W			P	
L	ISL05000	5 00	39	18056 32	-19 50	61.00	2 20	0 80	4 00	MODRSS		41.99		MODTES	CL		84.00		27M0F8W			P	
OR	JOR22400	11 00	39	18056 32	35 80	31 40	0 84	0 78	114 00	MODRSS		46 28		MODTES	CR		85.00		27M0F8W			P	
NG	MNG24800	74 00	39	18056 32	107 50	47 80	2 00	2 00	0 00	MODRSS		38 43		MODTES	CR		89.02		27M0F8W			P	
OR	BIFROS21	-0 80	39	18056 32	17 00	81.50	2 00	1 00	10 00	MODRSS		41.00		MODTES	CR		84.00		27M0FXF	BIFROST-2		A	
US	RSTRSA11	36 00	39	18056 32	38 00	53 00					COP	38 40	8.40	MODTES	CR		84.00		27M0F8W	RST-1	38	P	
US	RSTRSA21	56 00	39	18056 32	65 00	63.00					COP	38 40	8.40	MODTES	CR		84.00		27M0F8W	RST-2	39	P	
US	RSTRSA31	86.00	39	18056 32	97 00	62 00					COP	38.40	8 40	MODTES	CR		84.00		27M0F8W	RST-3	40	P	
US	RSTRSA51	140 00	39	18056 32	158 00	56 00					COP	38.40	8.40	MODTES	CR		84.00		27M0F8W	RST-5	42	P	
US	RSTRSD11	36 00	39	18056.32	38 00	53 00					COP	38.40	8 40	MODTES	CR		84.00		27M0G7W	RST-1	38	P	
US	RSTRSD21	56 00	39	18056 32	65 00	63 00					COP	38.40	8 40	MODTES	CR		84.00		27M0G7W	RST-2	39	P	
US	RSTRSD31	86 00	39	18056.32	97.00	62.00					COP	38.40	8 40	MODTES	CR		84.00		27M0G7W	RST-3	40	P	
US	RSTRSD51	140 00	39	18056 32	158 00	56 00					COP	38.40	8 40	MODTES	CR		84.00		27M0G7W	RST-5	42	P	
US	RUS00400	110 00	39	18056.32	118 22	51 52					COP	38.40	8.40	MODTES	CR		84.00		27M0F8W			P	3, 4, 7
DN	SDN23000	-7.00	39	18056.32	29 90	9 80	2.95	2 17	123.00	MODRSS		36.38		MODTES	CL		86.00		27M0F8W			P	
RL	SRL25900	-33.50	39	18056 32	-11.80	8 60	0 78	0.68	114.00	MODRSS		47.20		MODTES	CL		84.00		27M0F8W			P	4
KM	TKM06800	44 00	39	18056.32	59.18	38 84	2 25	0 99	164 51	MODRSS		40.94		MODTES	CL		84.00		27M0F8W			P	4, 7
WE	ZWE13500	-1.00	39	18056.32	29 60	-18 80	1.46	1 36	37.00	MODRSS		41.47		MODTES	CR		85.00		27M0F8W			P	
RM	ARM06400	23 00	40	18075.50	44.99	39 95	0.73	0 60	148.17	MODRSS		48 02		MODTES	CL		84.00		27M0F8W			P	4
US	AUS00600	152 00	40	18075.50	135 50	-24 20	7.19	5 20	140.00	MODRSS		28.71		MODTES	CR		87.00		27M0F8W			P	
AF	CAF25800	-13 00	40	18075 50	21.00	6 30	2.25	1.68	31 00	MODRSS		38.67		MODTES	CR		84.00		27M0F8W			P	
	F2_A2788	-7.00	40	18075.50	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	40	18075 50	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	40	18075.50	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	40	18075.50	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	40	18075 50	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	40	18075.50	3 88	48.20	0.70	0.70	0.00	MODRSS		41.00		MODTES	CL		76.60		33M0F9W	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°	Chan nel	Centre Frequency	Boresight Long.°	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_A3388	-7.00	40	18075.50	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	40	18075.50	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	40	18075.50	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	40	18075.50	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	40	18075.50	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	40	18075.50	45.10	-12.80	0.60	0.60	0.00	MODRSS		48.88		MODTES	CL		84.00		27M0F8W		7	P	
F	MYT09601	29.00	40	18075.50	3.80	45.60	1.97	1.71	22.00	MODRSS		39.17		MODTES	CL		84.00		27M0F8W		7	P	
F /EUT	E2WA7DA2	29.00	40	18075.50	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	40	18075.50	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	40	18075.50	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	40	18075.50	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	40	18075.50	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	40	18075.50	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	40	18075.50	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	40	18075.50	12.30	41.30	2.38	0.98	137.00	MODRSS		40.77		MODTES	CR		84.00		27M0F8W			P	
IRQ	IRQ25600	11.00	40	18075.50	43.50	33.00	2.28	1.32	145.00	MODRSS		39.86		MODTES	CL		84.00		27M0F8W			P	
KAZ	KAZ06600	44.00	40	18075.50	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	40	18075.50	27.80	-29.80	0.66	0.60	36.00	MODRSS		48.47		MODTES	CL		84.00		27M0F8W			P	
MTN	MTN28800	-37.00	40	18075.50	-7.80	23.40	1.63	1.10	141.00	MODRSS		41.91		MODTES	CL		86.00		27M0F8W			P	
MWI	MWI30600	-1.00	40	18075.50	34.10	-13.00	1.54	0.60	87.00	MODRSS		44.79		MODTES	CL		84.00		27M0F8W			P	
NGR	NGR11500	-25.00	40	18075.50	8.30	16.80	2.54	2.08	44.00	MODRSS		37.22		MODTES	CL		85.00		27M0F8W			P	
NOR	BIFROS22	-0.80	40	18075.50	17.00	61.50	2.00	1.00	10.00	MODRSS		41.00		MODTES	CL		84.00		27M0FXF	BIFROST-2		A	
OMA	OMA12300	17.00	40	18075.50	55.60	21.00	1.88	1.02	100.00	MODRSS		41.62		MODTES	CR		85.00		27M0F8W			P	
POR	AZR13400	-30.00	40	18075.50	-23.40	36.10	2.56	0.70	158.00	MODRSS		41.91		MODTES	CL		84.00		27M0F8W			P	7
RUS	RSTRSA12	36.00	40	18075.50	38.00	53.00					COP	38.40	8.40	MODTES	CL		84.00		27M0F8W	RST-1	38	P	
RUS	RSTRSA22	56.00	40	18075.50	65.00	63.00					COP	38.40	8.40	MODTES	CL		84.00		27M0F8W	RST-2	39	P	
RUS	RSTRSA32	86.00	40	18075.50	97.00	62.00					COP	38.40	8.40	MODTES	CL		84.00		27M0F8W	RST-3	40	P	
RUS	RSTRSA52	140.00	40	18075.50	158.00	56.00					COP	38.40	8.40	MODTES	CL		84.00		27M0F8W	RST-5	42	P	
RUS	RSTRSD12	36.00	40	18075.50	38.00	53.00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-1	38	P	
RUS	RSTRSD22	56.00	40	18075.50	65.00	63.00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-2	39	P	
RUS	RSTRSD32	86.00	40	18075.50	97.00	62.00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-3	40	P	
RUS	RSTRSD52	140.00	40	18075.50	158.00	56.00					COP	38.40	8.40	MODTES	CL		84.00		27M0G7W	RST-5	42	P	
S	S 13902	5.00	40	18075.50	17.00	61.50	2.00	1.00	10.00	R13RSS		41.44		R13TES	CR		84.00		27M0F8W			PE	
SDN	SDN23200	-7.00	40	18075.50	29.60	16.40	2.54	2.09	167.00	MODRSS		37.20		MODTES	CR		86.00		27M0F8W			P	