

S3 ORBITAL INFO

geo_key	satellite_key	olone	olon	olonh	tol_east	tol_west	inclin_exc	srv_arc_fr	srv_ew_fr	srv_arc_to	srv_ew_to	reason_location	reason_srv_arc
24	2	-54	54	W	0.1	0.1	2.7					Inmarsat is authorized by the United Kingdom to operate the Inmarsat-3 F4 satellite at 54 W.L.	

S8 ANTENNA BEAMS

beam_ diagram_key	beam_key	beam_id	tr_mode	cx_flag	orb_long	ngso_ attachment_key	gxt_attach ment_key	ngso_beam map_refer	gso_beam data_refer	max_pfd at_05_deg	max_pfd at_10_deg	max_pfd at_15_deg	max_pfd at_20_deg	max_pfd at_25_deg	pfd_ bandwidth
41	26	CGUR	R	C	-54										
42	27	CGUL	R	C	-54										
43	28	CGDR	T	C	-54										
44	29	CGDL	T	C	-54										
46	31	LRU	R	C	-54										
48	33	LRD	T	C	-54										
49	34	LGD	T	C	-54										
11937	28	LGU	R	C	-54										
28189	28187	LND1	T	C	-54										

S9 SPACE STATION CHANNELS

channel_key	satellite_key	channel_id	assigned_bandwidth	tr_mode	frequency	polarization	ttc_channel_sw
54	2	CXU	29000	R	6439.5	R	C
55	2	CYU	29000	R	6439.5	L	C
56	2	CXD	29000	T	3614.5	R	C
57	2	CYD	29000	T	3614.5	L	C
58	2	LU	34000	R	1643.5	R	C
59	2	LD	34000	T	1542	R	C
29647	2	C1	2200	R	6455.5	R	C
29649	2	L1	2200	T	1575.5	R	C
29772	2	CCU	900	R	6432.75	L	C
29773	2	CCD	900	T	3607.75	R	C

S10 SPACE STATION TRANSPONDER

transponder_key	satellite_key	transponder_id	transponder_gain	receive_channel_id	receive_beam_id	transmit_channel_id	transmit_beam_id
66	2	FL3	176	CXU	CGUR	LD	LRD
67	2	FL4	176	CYU	CGUL	LD	LRD
68	2	FL5	176	CXU	CGUR	LD	LGD
69	2	FL6	176	CYU	CGUL	LD	LGD
72	2	RL3	176	LU	LRU	CXD	CGDR
73	2	RL4	176	LU	LRU	CYD	CGDL
74	2	RL5	176	LU	LGU	CXD	CGDR
75	2	RL6	176	LU	LGU	CYD	CGDL
29651	2	FL7	169	C1	CGUR	L1	LND1
29774	2	CC1	136	CCU	CGUL	CCD	CGDR

S11 DIGITAL MODULATION

digital_key	satellite_key	digital_id	emission	bandwidth	no_phases	uncoded_data_rate	fec_coding_rate	cdma_gain	cn_objective	ci_objective
17286	2	13	20K0G1E	20	4	12	0.5		5.1	17.3
17287	2	14	100KG1X	100	4	64	0.5		5	17.2
17288	2	15	10K0G1X	10	2	3	0.5		0.6	12.8
17289	2	16	10K0G1W	10	4	4	0.5		5	17.2
17290	2	17	10K0G1X	10	2	3	0.5		2.8	15
17291	2	18	10K0G1X	10	2	3	0.5		2.8	15
17292	2	19	10K0G1X	10	2	3	0.5		2.8	15
17293	2	20	5K00G1D	5	2	0.3	0.5		3.5	15.7
17294	2	21	2K50F1D	2.5	2	0.001	0.242		-10.9	1.3
17295	2	22	20K0G1E	20	4	12	0.5		5.1	17.3
17296	2	23	100KG1X	100	4	64	0.5		5	17.2
17297	2	24	20K0G1X	20	4	12	0.5		4.4	16.6
17298	2	25	10K0G1W	10	4	4	0.5		5	17.2
17299	2	26	20K0G1X	20	2	1.5	0.5		1.7	13.9
17300	2	27	20K0G1X	20	2	1.5	0.5		1.2	13.4
17301	2	28	5K00G1D	5	2	0.3	0.5		3.5	15.7
17302	2	29	2K50F1D	2.5	2	0.064	0.5		-3.7	8.5
17303	2	30	20K0G1E	20	4	12	0.5		5.1	17.3
17304	2	31	100KG1X	100	4	64	0.5		5	17.2
17305	2	32	10K0G1W	10	4	4	0.5		5	17.2
17306	2	33	5K00G1E	5	4	2.8	0.5		5.4	17.6
17307	2	34	60K0D1W	60	16	64	0.476		7.7	19.9
17308	2	35	5K00G1W	5	4	3.6	0.643		5.4	17.6
17309	2	36	5K00G1D	5	2	0.3	0.5		3.5	15.7
17310	2	37	2K50F1D	2.5	2	0.001	0.242		-10.9	1.3
17311	2	38	20K0G1E	20	4	12	0.5		5.1	17.3
17312	2	39	100KG1X	100	4	64	0.5		5	17.2
17313	2	40	10K0G1W	10	4	4	0.5		5	17.2
17314	2	41	5K00G1E	5	4	2.8	0.5		5.4	17.6
17315	2	42	60K0D1W	60	16	64	0.476		7.7	19.9
17316	2	43	5K00G1W	5	4	3.6	0.643		5.4	17.6
17317	2	44	5K00G1D	5	2	0.3	0.5		3.5	15.7
17318	2	45	2K50F1D	2.5	2	0.064	0.5		2.3	14.5
28177	2	46	180KG3X	180	2	4.8	0.5		11	23.2
29653	2	48	4M00X2D	4000	1	1023	1		-28	-15.8

S11 DIGITAL MODULATION

digital_key	satellite_key	digital_id	emission	bandwidth	no_phases	uncoded_data_rate	fec_coding_rate	cdma_gain	cn_objective	ci_objective
29654	2	49	20M0X2D	20000	1	10230	1		-35	-22.8
29671	2	50	7K50G1D	7.5	2	10.5	0.5		5	17.2
29672	2	51	5K00G1D	5	2	4.8	0.5		4.7	16.9
29673	2	52	2K50G1D	2.5	2	1.2	0.5		3.2	15.4
29680	2	53	45K0G7D	45	4	64	0.5		7.7	19.9
29681	2	54	5K00G1W	5	2	4.8	0.5		5.4	17.6
29682	2	55	7K50G1W	7.5	2	4.8	0.5		5.4	17.6
29689	2	56	7K50G1E	7.5	2	2.8	0.5		5.4	17.6
29692	2	57	7K50G1D	7.5	2	10.5	0.5		5	17.2
29693	2	58	12K5G1D	12.5	2	8.4	0.5		2.9	15.1
29694	2	59	45K0G7D	45	4	64	0.5		7.7	19.9
29695	2	60	45K0G7D	45	4	64	0.5		7.7	19.9
29696	2	61	17K5G1D	17.5	2	9.6	0.5		4.5	16.7
29697	2	62	45K0G7D	45	4	64	0.5		7.7	19.9
29731	2	63	7K50G1D	7.5	2	10.5	0.5		5	17.2
29732	2	64	5K00G1D	5	2	4.8	0.5		4.7	16.9
29733	2	65	2K50G1D	2.5	2	1.2	0.5		3.2	15.4
29734	2	66	45K0G7D	45	4	64	0.5		7.7	19.9
29735	2	67	5K00G1W	5	2	4.8	0.5		5.4	17.6
29736	2	68	5K00G1W	5	2	4.8	0.5		5.4	17.6
29749	2	69	7K50G1E	7.5	2	2.8	0.5		5.4	17.6
29752	2	70	7K50G1D	7.5	2	10.5	0.5		5	17.2
29753	2	71	12K5G1D	12.5	2	8.4	0.5		2.9	15.1
29754	2	72	45K0G7D	45	4	64	0.5		7.7	19.9
29755	2	73	45K0G7D	45	4	64	0.5		7.7	19.9
29756	2	74	17K5G1D	17.5	2	9.6	0.5		4.5	16.7
29757	2	75	45K0G7D	45	4	64	0.5		7.7	19.9
29778	2	76	100KN0N	100			1		15	27.2
29781	2	77	100KN0N	100			1		15	27.2
29785	2	78	200KG7W	200	2	320	0.875		9	21.2

S13 TYPICAL EMISSIONS

typical_key	satellite_key	transponder_id_1	transponder_id_2	digital_id	analog_id	no_carriers	carrier_spacing	budget_attachment_key	noise_budget_refer	dispersal_bandwidth	rec_as_max_gain	rec_as_min_power	rec_as_max_power	xmt_ss_min_eirp	xmt_ss_max_eirp	xmt_ss_max_pfd	xmt_ss_max_pfd_bw	xmt_as_g_over_t
17319	2 FL5	FL6	13			368	20	18116	FLG INM-B 20 kHz.doc		58.5	-7.9	-2.9	17.3	21.3			-4
17320	2 FL5	FL6	14			112	100	29663	FLG INM-B 100 kHz.doc		58.5	-4.7	0.3	22.5	26.5			-4
17321	2 FL5	FL6	15			2089	10	29664	FLG INM-B 10 kHz.doc		58.5	-15.4	-10.4	9.8	13.8			-4
17322	2 FL5	FL6	16			288	10	29665	FLG INM-M 10 kHz (W).doc		58.5	-6.8	-1.8	18.4	22.4			-10
17323	2 FL5	FL6	17			479	10	29666	FLG INM-M 10 kHz (X).doc		58.5	-9	-4	16.2	20.2			-10
17324	2 FL5	FL6	18			135	10	29667	FLG MINI-M 10 kHz.doc		58.5	-3.5	1.5	21.7	25.7			-17
17325	2 FL5	FL6	19			135	10	29668	FLG M4 10 kHz.doc		58.5	-3.5	1.5	21.7	25.7			-7
17326	2 FL5	FL6	20			209	10	29669	FLG INM-C.doc		58.5	-5.4	-0.4	19.8	23.8			-23
17327	2 FL5	FL6	21			178	5	29670	FLG INM-D.doc		58.5	-6.7	-1.7	20.5	24.5			-22.1
17328	2 RL5	RL6	22			6300	20	29721	RLG INM-B 20 kHz (E).doc		21	5	12	-8.4	2.6	-165.2	4kHz	33.2
17329	2 RL5	RL6	23			1260	100	29722	RLG INM-B 100 kHz.doc		21	8	16	-1.4	8.6	-166.5	4kHz	33.2
17330	2 RL5	RL6	24			6300	20	29723	RLG INM-B 20 kHz (X).doc		21	4.3	13	-9.1	3.6	-164.2	4kHz	33.2
17331	2 RL5	RL6	25			12600	10	29724	RLG INM-M 10 kHz.doc		14	7	13	-13.4	-6.4	-169.4	4kHz	33.2
17332	2 RL5	RL6	26			6300	20	29725	RLG INM-M 20 kHz.doc		14	3	11	-17.4	-5.4	-167.2	4kHz	33.2
17333	2 RL5	RL6	27			6300	20	29726	RLG MINI-M 20 kHz.doc		10	3	7	-21.4	-13.4	-175.5	4kHz	33.2
17334	2 RL5	RL6	28			25200	5	29775	RLG INM-C.doc		0	4	10.5	-23	-12.6	-174.7	4kHz	33.2
17335	2 RL5	RL6	29			25200	2.5	29730	RLG INM-D.doc		3.5	-3	9	-30.2	-16.2	-178.3	4kHz	33.2
17337	2 FL3	FL4	30			6300	20	18133	FLR INM-B 20 kHz.doc		58.5	-8.7	-3.7	19.5	23.5			-4
17338	2 FL3	FL4	31			1260	100	18134	FLR INM-B 100 kHz.doc		58.5	-3.7	1.3	24.5	28.5			-4
17339	2 FL3	FL4	32			4898	10	18135	FLR INM-M 10 kHz.doc		58.5	-7.1	-2.1	21.1	25.1			-12
17340	2 FL3	FL4	33			17378	5	18136	FLR MINI-M 5 kHz.doc		58.5	-4	1	15.6	19.6			-7
17341	2 FL3	FL4	34			832	60	18137	FLR M4 60 kHz.doc		58.5	0.6	5.6	28.8	32.8			-7
17342	2 FL3	FL4	35			17378	5	18138	FLR M4 5 kHz.doc		58.5	-12.6	-7.6	15.6	19.6			-7
17343	2 FL3	FL4	35			6166	5	18139	FLR INM-C.doc		58.5	-8.1	-3.1	20.1	24.1			-23
17344	2 FL3	FL4	37			5623	5	18140	FLR INM-D.doc		58.5	-9.1	-4.1	20.5	24.5			-22.1
17345	2 RL3	RL4	38			6300	20	18141	RLR INM-B 20 kHz.doc		21	-3.3	5	-10.7	1.6	-166.2	4kHz	33.2
17346	2 RL3	RL4	39			1260	100	18142	RLR INM-B 100 kHz.doc		21	-0.2	13	-3.6	13.3	-160.8	4kHz	33.2
17347	2 RL3	RL4	40			12600	10	18143	RLR INM-M 10 kHz.doc		12	0.8	9	-15.6	-3.4	-166.4	4kHz	33.2
17348	2 RL3	RL4	41			25200	5	18144	RLR MINI-M 5 kHz.doc		18	-9.5	-1	-16.9	-2.2	-165.9	4kHz	33.2
17349	2 RL3	RL4	42			2100	60	18145	RLR M4 60 kHz.doc		18	4	11	-3.4	1.4	-170.7	4kHz	33.2
17350	2 RL3	RL4	43			25200	5	18146	RLR M4 5 kHz.doc		18	-9.5	-1	-16.9	-2.2	-165.9	4kHz	33.2
17351	2 RL3	RL4	44			25200	5	18147	RLR INM-C.doc		0	1.2	10.5	-25.4	-12	-174.1	4kHz	33.2
17352	2 RL3	RL4	45			25200	2.5	18148	RLR INM-D.doc		3.5	-5.7	5.5	-25	-8.8	-170.9	4kHz	33.2
29659	2 FL7	FL7	48			1		29660	FLG NAV 4 MHz.doc		58.5	1.5	24.5	27.7	32			-26
29674	2 FL5	FL6	50			186	7.5	29677	FLG AERO-H 7.5kHz.doc		58.5	-4.9	0.1	20.3	24.3			-13
29675	2 FL5	FL6	51			112	5	29678	FLG AERO-I 5 kHz.doc		58.5	-2.7	2.3	22.5	26.5			-19
29676	2 FL5	FL6	52			58	2.5	29679	FLG AERO-L 2.5 kHz.doc		58.5	0.2	5.2	25.4	29.4			-26
29683	2 FL5	FL6	53			68	45	29686	FLG F77 45 kHz.doc		58.5	-3.5	1.5	24.7	25.7			-4
29684	2 FL5	FL6	54			1023	5	29687	FLG F55 5kHz.doc		58.5	-13.3	-8.3	12.9	15.9			-7
29685	2 FL5	FL6	55			323	7.5	29688	FLG F33 7.5 kHz.doc		58.5	-7.8	-2.8	17.4	21.4			-12.5
29690	2 FL3	FL4	56			2399	7.5	29691	FLR MINI-M 7.5 kHz.doc		58.5	-4	1	24.2	28.2			-17
29698	2 FL3	FL4	57			6457	7.5	29704	FLR AERO-H 7.5 kHz.doc		58.5	-8.9	-3.9	19.9	23.9			-13
29699	2 FL3	FL4	58			2042	12.5	29705	FLR AERO-I 12.5 kHz.doc		58.5	-4.2	0.8	24.9	28.9			-19
29700	2 FL3	FL4	59			2291	45	29706	FLR F77 45 kHz.doc		58.5	-3.8	1.2	24.4	28.4			-4

S13 TYPICAL EMISSIONS

typical_key	satellite_key	transponder_id_1	transponder_id_2	digital_id	analog_id	no_carriers	carrier_spacing	budget_attachment_key	noise_budget_refer	dispersal_bandwidth	rec_as_max_gain	rec_as_min_power	rec_as_max_x_power	xmt_ss_min_eirp	xmt_ss_max_eirp	xmt_ss_max_x_pfd	xmt_ss_max_x_pfd_bw	xmt_as_g_over_t
29701	2	FL3	FL4	60		1175	45	29707	FLR F55 45 kHz.doc		58.5	-0.9	4.1	27.3	31.3			-7
29702	2	FL3	FL4	61		1778	17.5	29708	FLR F33 17.5 kHz.doc		58.5	-2.7	2.3	25.5	29.5			-12.5
29703	2	FL3	FL4	62		603	45	29709	FLR SWIFT64 45 kHz.doc		58.5	2	7	30.2	34.2			-13
29737	2	RL5	RL6	63		5623	7.5	29743	RLG AERO-H 7.5 kHz.doc		12	7.6	13.5	-6.5	3.5	-160.7	4kHz	33.2
29738	2	RL5	RL6	64		13183	5	29744	RLG AERO-I 5 kHz.doc		6	9.9	16	-10.2	-0.2	-162.3	4kHz	33.2
29739	2	RL5	RL6	65		18577	2.5	29745	RLG AERO-L 2.5 kHz.doc		0	11.8	13.5	-14.7	-9	-169	4kHz	33.2
29740	2	RL5	RL6	66		851	45	29746	RLG F77 45 kHz.doc		20	10	12	1.7	7.7	-164.4	4kHz	33.2
29741	2	RL5	RL6	67		13490	5	29747	RLG F55 5 kHz.doc		17	3	8	-10.3	-1.3	-163.4	4kHz	33.2
29742	2	RL5	RL6	68		13490	5	29748	RLG F33 5 kHz.doc		11.5	8.5	13.5	-10.3	-1.3	-163.4	4kHz	33.2
29750	2	RL3	RL4	69		16800	7.5	29751	RLR MINI-M 7.5 kHz.doc		10	-1.5	7	-16.9	-4.5	-166.6	4kHz	33.2
29760	2	RL3	RL4	70		11749	7.5	29766	RLR AERO-H 7.5 kHz.doc		12	2	7.5	-9.7	0.8	-163.4	4kHz	33.2
29761	2	RL3	RL4	71		10080	12.5	29767	RLR AERO-I 12.5 kHz.doc		6	6.7	7.5	-11.8	-7	-171.3	4kHz	33.2
29762	2	RL3	RL4	72		955	45	29768	RLR F77 45 kHz.doc		20	3.6	12	1.2	9.6	-162.5	4kHz	33.2
29763	2	RL3	RL4	73		955	45	29769	RLR F55 45 kHz.doc		17	6.6	11.6	1.2	6.2	-165.9	4kHz	33.2
29764	2	RL3	RL4	74		5248	17.5	29770	RLR F33 17.5 kHz.doc		11.5	3.7	9.5	-6.2	-1.4	-169.2	4kHz	33.2
29765	2	RL3	RL4	75		933	45	29771	RLR SWIFT64 45 kHz.doc		11.5	9.2	13.5	1.3	5.6	-166.5	4kHz	33.2
29779	2	FL5	FL6	76		4	100	29780	FLG AFC.doc		58.5	-13.5	4.5	10	15			19.2
29782	2	RL5	RL6	77		4	100	29788	RLG AFC.doc		43.9	-12.9	-2.9	-9	-4			33.2
29786	2	CC1	CC1	78		25	200	29787	CtoC.doc		58.5	8.5	13.5	1.7	5.7	-173.4	4kHz	33.2