



Full Power Mode

GSM900 ANTD	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	148	189	251		128	169	251	
TX Channel	148	189	251	128	169	251	128	169
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
GSM 1 Tx slot	32.29	32.38	32.42	33.50	23.29	23.38	23.42	24.50
GPRS 1 Tx slot	32.22	32.34	32.35	33.50	23.22	23.34	23.35	24.50
GPRS 2 Tx slots	29.84	29.85	29.71	31.00	23.84	23.85	23.71	25.00
GPRS 3 Tx slots	28.07	27.81	27.72	29.00	23.81	23.55	23.46	24.74
GPRS 4 Tx slots	26.02	26.00	25.94	27.00	23.02	23.00	22.94	24.00
EDGE 1 Tx slot	25.83	25.90	25.72	27.50	18.83	18.90	18.72	18.50
EDGE 2 Tx slots	24.01	24.09	24.06	25.50	18.01	18.09	18.06	19.24
EDGE 3 Tx slots	22.16	22.26	22.00	23.50	17.90	18.00	17.74	19.24
EDGE 4 Tx slots	20.30	20.33	20.13	21.50	17.30	17.33	17.13	18.50

GSM1900 ANTD	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512 <td>661 <td>810 <td>512 <td>661 <td>810 <td>512 <td>661 </td></td></td></td></td></td></td>	661 <td>810 <td>512 <td>661 <td>810 <td>512 <td>661 </td></td></td></td></td></td>	810 <td>512 <td>661 <td>810 <td>512 <td>661 </td></td></td></td></td>	512 <td>661 <td>810 <td>512 <td>661 </td></td></td></td>	661 <td>810 <td>512 <td>661 </td></td></td>	810 <td>512 <td>661 </td></td>	512 <td>661 </td>	661
Frequency (MHz)	1850.2	1860	1869.8	1850.2	1860	1869.8	1850.2	1860
GSM 1 Tx slot	29.29	29.31	29.36	30.50	20.29	20.31	20.36	21.50
GPRS 1 Tx slot	29.21	29.28	29.30	30.50	20.21	20.28	20.30	21.50
GPRS 2 Tx slots	26.50	26.69	26.63	28.00	20.50	20.69	20.63	22.00
GPRS 3 Tx slots	24.78	24.72	24.76	26.50	20.52	20.46	20.52	21.24
GPRS 4 Tx slots	22.83	22.91	23.11	24.00	19.83	19.91	20.11	21.00
EDGE 1 Tx slot	25.69	25.63	25.55	28.50	16.69	16.63	16.55	17.50
EDGE 2 Tx slots	22.94	22.37	22.25	23.50	16.94	16.37	16.25	17.50
EDGE 3 Tx slots	21.07	21.27	21.69	22.50	17.01	17.01	16.83	18.24
EDGE 4 Tx slots	19.45	19.27	19.10	20.50	16.45	16.27	16.10	17.50

Band	WCDMA R ANTD			Tune-up Limit (dBm)	WCDMA R ANTD			Tune-up Limit (dBm)	WCDMA V ANTD			Tune-up Limit (dBm)
	TX Channel	9262	9800		9538	1312	1413		1513	4132	4182	
Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458			
Frequency (MHz)	1852.4	1860	1867.6	1712.4	1722.6	1732.8	828.4	838.4	848.6			
IGPP Rel 99 - AMR 12.2kops	22.89	22.75	22.74	24.00	22.80	22.84	22.51	24.00	22.34	22.45	22.33	
IGPP Rel 99 - RMC 12.2kops	22.95	22.96	22.77	24.00	22.42	22.63	22.55	24.00	22.34	22.64	22.39	
IGPP Rel 6 - HSDPA Subtest-1	21.93	21.88	21.76	23.00	21.68	21.61	21.68	23.00	21.64	21.71	21.57	
IGPP Rel 6 - HSDPA Subtest-2	22.05	22.11	22.10	23.00	21.45	21.69	21.52	23.00	21.48	21.47	21.64	
IGPP Rel 6 - HSDPA Subtest-3	21.15	21.25	21.40	22.50	21.90	21.35	20.90	22.50	20.81	21.08	20.98	
IGPP Rel 6 - HSDPA Subtest-4	21.22	21.31	21.08	22.50	20.98	20.93	20.98	22.50	20.95	20.95	20.97	
IGPP Rel 6 - DC-HSDPA Subtest-1	21.87	22.00	21.71	23.00	21.62	21.81	21.58	23.00	21.34	21.42	21.50	
IGPP Rel 6 - DC-HSDPA Subtest-2	21.80	21.62	21.86	23.00	21.61	21.57	21.62	23.00	21.31	21.41	21.50	
IGPP Rel 6 - DC-HSDPA Subtest-3	21.08	21.15	21.32	22.50	20.84	21.16	21.12	22.50	20.66	21.02	20.93	
IGPP Rel 6 - DC-HSDPA Subtest-4	21.32	21.45	21.63	22.50	20.93	21.17	21.22	22.50	20.72	20.97	21.02	
IGPP Rel 6 - HSUPA Subtest-1	21.74	21.89	21.97	23.00	21.67	21.77	21.91	23.00	21.46	21.56	21.42	
IGPP Rel 6 - HSUPA Subtest-2	19.84	19.92	19.83	21.00	19.57	19.79	19.50	21.00	19.60	19.63	19.55	
IGPP Rel 6 - HSUPA Subtest-3	21.01	21.05	20.85	22.00	20.52	20.75	20.69	22.00	20.31	20.66	20.60	
IGPP Rel 6 - HSUPA Subtest-4	19.71	19.62	19.57	21.00	19.65	19.55	19.77	21.00	19.56	19.42	19.51	
IGPP Rel 6 - HSUPA Subtest-5	22.00	21.84	21.66	23.00	21.75	21.98	21.69	23.00	21.43	21.59	21.49	
IGPP Rel 7 - HSPA+ (16QAM) Subtest	19.35	19.49	19.26	20.50	19.31	19.42	19.23	20.50	19.13	19.27	19.08	



Band 7 ANT1

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR
				Low	Middle	High		
Channel				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	limit (dBm)	(dB)
Frequency (MHz)				20850	21100	21350		
20	QPSK	1	0	22.50	22.61	22.51		
20	QPSK	1	49	22.48	22.56	22.49	24	0
20	QPSK	1	99	22.32	22.46	22.41		
20	QPSK	50	0	21.63	21.68	21.57		
20	QPSK	50	24	21.51	21.56	21.42	23	1
20	QPSK	50	50	21.38	21.49	21.34		
20	QPSK	100	0	21.59	21.66	21.65		
20	16QAM	1	0	21.61	21.71	21.67		
20	16QAM	1	49	21.69	21.78	21.74	23	1
20	16QAM	1	99	21.58	21.66	21.62		
20	16QAM	50	0	20.46	20.53	20.43		
20	16QAM	50	24	20.33	20.59	20.50	22	2
20	16QAM	50	50	20.43	20.48	20.40		
20	16QAM	100	0	20.37	20.49	20.43		
20	64QAM	1	0	20.59	20.68	20.56		
20	64QAM	1	49	20.75	20.82	20.79	22	2
20	64QAM	1	99	20.47	20.55	20.44		
20	64QAM	50	0	19.41	19.56	19.42		
20	64QAM	50	24	19.49	19.61	19.55	21	3
20	64QAM	50	50	19.48	19.53	19.45		
20	64QAM	100	0	19.40	19.50	19.40		
Channel				20825	21100	21375	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.38	22.56	22.41		
15	QPSK	1	37	22.34	22.46	22.35	24	0
15	QPSK	1	74	22.27	22.35	22.27		
15	QPSK	36	0	21.49	21.54	21.53		
15	QPSK	36	20	21.38	21.49	21.39	23	1
15	QPSK	36	39	21.28	21.39	21.26		
15	QPSK	75	0	21.48	21.62	21.52		
15	16QAM	1	0	21.57	21.67	21.53		
15	16QAM	1	37	21.55	21.73	21.60	23	1
15	16QAM	1	74	21.55	21.59	21.56		
15	16QAM	36	0	20.35	20.40	20.36		
15	16QAM	36	20	20.42	20.52	20.37	22	2
15	16QAM	36	39	20.31	20.43	20.30		
15	16QAM	75	0	20.32	20.38	20.28		
15	64QAM	1	0	20.44	20.63	20.52		
15	64QAM	1	37	20.72	20.73	20.75	22	2
15	64QAM	1	74	20.37	20.40	20.31		
15	64QAM	36	0	19.30	19.50	19.29		
15	64QAM	36	20	19.36	19.47	19.44	21	3
15	64QAM	36	39	19.43	19.49	19.40		
15	64QAM	75	0	19.29	19.37	19.28		
Channel				20930	21100	21400	Tune-up	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.41	22.49	22.44		
10	QPSK	1	25	22.34	22.50	22.45	24	0
10	QPSK	1	49	22.24	22.43	22.33		
10	QPSK	25	0	21.56	21.51	21.52		
10	QPSK	25	12	21.47	21.42	21.36	23	1
10	QPSK	25	25	21.24	21.43	21.30		
10	QPSK	50	0	21.50	21.60	21.63		
10	16QAM	1	0	21.48	21.57	21.63		
10	16QAM	1	25	21.57	21.74	21.70	23	1
10	16QAM	1	49	21.48	21.53	21.55		
10	16QAM	25	0	20.35	20.47	20.38		
10	16QAM	25	12	20.46	20.52	20.40	22	2
10	16QAM	25	25	20.40	20.39	20.26		
10	16QAM	50	0	20.29	20.42	20.35		
10	64QAM	1	0	20.53	20.61	20.47		
10	64QAM	1	25	20.66	20.72	20.68	22	2
10	64QAM	1	49	20.37	20.50	20.30		
10	64QAM	25	0	19.33	19.50	19.30		
10	64QAM	25	12	19.42	19.56	19.44	21	3
10	64QAM	25	25	19.39	19.44	19.39		
10	64QAM	50	0	19.27	19.46	19.29		
Channel				20775	21100	21425	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.40	22.51	22.47		
5	QPSK	1	12	22.42	22.42	22.35	24	0
5	QPSK	1	24	22.19	22.36	22.31		
5	QPSK	12	0	21.52	21.60	21.50		
5	QPSK	12	7	21.37	21.41	21.30	23	1
5	QPSK	12	13	21.25	21.35	21.27		
5	QPSK	25	0	21.54	21.58	21.53		
5	16QAM	1	0	21.51	21.68	21.61		
5	16QAM	1	12	21.56	21.73	21.60	23	1
5	16QAM	1	24	21.51	21.57	21.56		
5	16QAM	12	0	20.32	20.43	20.33		
5	16QAM	12	7	20.50	20.51	20.39	22	2
5	16QAM	12	13	20.30	20.35	20.26		
5	16QAM	25	0	20.23	20.36	20.33		
5	64QAM	1	0	20.55	20.62	20.52		
5	64QAM	1	12	20.66	20.69	20.68	22	2
5	64QAM	1	24	20.40	20.47	20.32		
5	64QAM	12	0	19.27	19.47	19.34		
5	64QAM	12	7	19.38	19.54	19.51	21	3
5	64QAM	12	13	19.34	19.39	19.36		
5	64QAM	25	0	19.32	19.41	19.30		



Receiver on Mode for DSI 2

GSM850 ANT0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	852.2	852.4	853	852.2	852.4	853	852.2	852.4
GSM 1 Tx slot	32.29	32.38	32.42	33.50	33.29	33.38	33.42	34.50
GPRS 1 Tx slot	32.22	32.34	32.35	33.50	33.22	33.34	33.35	34.50
GPRS 2 Tx slots	29.84	29.85	29.71	31.00	23.84	23.85	23.71	25.00
GPRS 3 Tx slots	28.07	27.81	27.72	29.00	23.81	23.55	23.46	24.74
GPRS 4 Tx slots	28.02	28.00	28.94	27.00	23.02	23.00	22.94	24.00
EDGE 1 Tx slot	25.83	25.90	25.72	27.50	16.83	16.90	16.72	18.50
EDGE 2 Tx slots	24.01	24.09	24.06	26.50	18.01	18.09	18.06	19.50
EDGE 3 Tx slots	22.16	22.28	22.90	23.50	17.90	18.00	17.74	19.24
EDGE 4 Tx slots	20.30	20.33	20.13	21.50	17.30	17.33	17.13	18.50

GSM1900 ANT0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	861	1310		512	861	1310	
TX Channel	512 <td>861 <td>1310 <td>512 <td>861 <td>1310 <td>512 <td>861 </td></td></td></td></td></td></td>	861 <td>1310 <td>512 <td>861 <td>1310 <td>512 <td>861 </td></td></td></td></td></td>	1310 <td>512 <td>861 <td>1310 <td>512 <td>861 </td></td></td></td></td>	512 <td>861 <td>1310 <td>512 <td>861 </td></td></td></td>	861 <td>1310 <td>512 <td>861 </td></td></td>	1310 <td>512 <td>861 </td></td>	512 <td>861 </td>	861
Frequency (MHz)	1850.2	1850	1850.8	1850.2	1850	1850.8	1850.2	1850
GSM 1 Tx slot	29.29	29.31	29.36	30.50	20.29	20.31	20.36	21.50
GPRS 1 Tx slot	29.21	29.28	29.30	30.50	20.21	20.28	20.30	21.50
GPRS 2 Tx slots	26.50	26.69	26.63	28.00	20.50	20.69	20.63	22.00
GPRS 3 Tx slots	24.78	24.72	24.78	25.50	20.52	20.46	20.52	21.24
GPRS 4 Tx slots	22.83	22.91	23.11	24.00	19.83	19.91	20.11	21.00
EDGE 1 Tx slot	25.89	25.63	25.55	26.50	16.89	16.63	16.55	17.50
EDGE 2 Tx slots	22.54	22.37	22.25	23.50	16.54	16.37	16.25	17.50
EDGE 3 Tx slots	21.27	21.27	21.09	22.50	17.01	17.01	16.83	18.24
EDGE 4 Tx slots	19.45	19.27	19.10	20.50	16.45	16.27	16.10	17.50

Band	WCDMA # ANT0			Tune-up Limit (dBm)	WCDMA IV ANT0			Tune-up Limit (dBm)	WCDMA V ANT0			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9262	9400	9538	1312	1413	1513	4132	4182	4233	9262	9400	9538	
Frequency (MHz)	1852.2	1860	1867.8	1727.4	1727.6	1727.4	1727.4	1727.6	1727.4	1852.2	1860	1867.8	
IGPP Rel 99	22.89	22.75	22.74	24.00	22.38	22.54	22.51	24.00	22.38	22.45	22.53	24.00	
IGPP Rel 99	22.85	22.86	22.77	24.00	22.42	22.83	22.55	24.00	22.34	22.64	22.39	24.00	
IGPP Rel 6	HSDPA Subtest-1	21.93	21.88	21.76	23.00	21.68	21.61	21.68	23.00	21.64	21.71	21.57	23.00
IGPP Rel 6	HSDPA Subtest-2	22.05	22.11	22.10	23.00	21.45	21.69	21.52	23.00	21.48	21.47	21.64	23.00
IGPP Rel 6	HSDPA Subtest-3	21.15	21.25	21.40	22.50	21.06	21.35	20.90	22.50	20.81	21.08	20.98	22.50
IGPP Rel 6	HSDPA Subtest-4	21.22	21.31	21.06	22.50	20.98	20.93	20.96	22.50	20.95	20.95	20.97	22.50
IGPP Rel 8	DC-HSDPA Subtest-1	21.87	22.00	21.71	23.00	21.62	21.81	21.58	23.00	21.34	21.42	21.50	23.00
IGPP Rel 8	DC-HSDPA Subtest-2	21.80	21.62	21.88	23.00	21.61	21.57	21.92	23.00	21.31	21.41	21.50	23.00
IGPP Rel 8	DC-HSDPA Subtest-3	21.26	21.15	21.32	22.50	20.84	21.16	21.12	22.50	20.66	21.02	20.93	22.50
IGPP Rel 8	DC-HSDPA Subtest-4	21.32	21.45	21.63	22.50	20.93	21.17	21.22	22.50	20.72	20.97	21.02	22.50
IGPP Rel 6	HSUPA Subtest-1	21.74	21.89	21.97	23.00	21.67	21.77	21.91	23.00	21.46	21.55	21.42	23.00
IGPP Rel 6	HSUPA Subtest-2	19.84	19.92	19.63	21.00	18.57	19.79	19.50	21.00	18.60	18.63	18.55	21.00
IGPP Rel 6	HSUPA Subtest-3	21.01	21.05	20.85	22.00	20.52	20.75	20.69	22.00	20.31	20.66	20.40	22.00
IGPP Rel 6	HSUPA Subtest-4	19.71	19.62	19.57	21.00	18.65	19.55	19.77	21.00	18.56	18.42	19.51	21.00
IGPP Rel 6	HSUPA Subtest-5	22.00	21.84	21.86	23.00	21.75	21.98	21.69	23.00	21.43	21.59	21.48	23.00
IGPP Rel 7	HSPA+ (eHSPA) Subtest-1	19.35	19.48	19.26	20.50	18.31	18.42	18.23	20.50	18.13	18.27	18.08	20.50



Table for Band 2 Ant0 DS12, listing parameters: BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, Power Ch. Offset, Time-up limit (min), MPR (dB). Includes Frequency (MHz) and Channel information.

Table for Band 4 Ant0 DS12, listing parameters: BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, Power Ch. Offset, Time-up limit (min), MPR (dB). Includes Frequency (MHz) and Channel information.

Table for Band 5 Ant0 DS12, listing parameters: BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, Power Ch. Offset, Time-up limit (min), MPR (dB). Includes Frequency (MHz) and Channel information.

Table for Band 12 Ant0 DS12, listing parameters: BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, Power Ch. Offset, Time-up limit (min), MPR (dB). Includes Frequency (MHz) and Channel information.



Band 7 Ant1 DSI2

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR
				Low	Middle	High		
Channel				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	limit (dBm)	(dB)
Frequency (MHz)				20850	21100	21350		
20	QPSK	1	0	22.50	22.61	22.51		
20	QPSK	1	49	22.48	22.56	22.49	24	0
20	QPSK	1	99	22.32	22.46	22.41		
20	QPSK	50	0	21.63	21.68	21.57		
20	QPSK	50	24	21.51	21.56	21.42	23	1
20	QPSK	50	50	21.38	21.49	21.34		
20	QPSK	100	0	21.59	21.66	21.65		
20	16QAM	1	0	21.61	21.71	21.67		
20	16QAM	1	49	21.69	21.78	21.74	23	1
20	16QAM	1	99	21.58	21.66	21.62		
20	16QAM	50	0	20.46	20.53	20.43		
20	16QAM	50	24	20.33	20.59	20.50	22	2
20	16QAM	50	50	20.43	20.48	20.40		
20	16QAM	100	0	20.37	20.49	20.43		
20	64QAM	1	0	20.59	20.68	20.56		
20	64QAM	1	49	20.75	20.82	20.79	22	2
20	64QAM	1	99	20.47	20.55	20.44		
20	64QAM	50	0	19.41	19.56	19.42		
20	64QAM	50	24	19.49	19.61	19.55	21	3
20	64QAM	50	50	19.48	19.53	19.45		
20	64QAM	100	0	19.40	19.50	19.40		
Channel				20825	21100	21375	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.38	22.56	22.41		
15	QPSK	1	37	22.34	22.46	22.35	24	0
15	QPSK	1	74	22.27	22.35	22.27		
15	QPSK	36	0	21.49	21.54	21.53		
15	QPSK	36	20	21.38	21.49	21.39	23	1
15	QPSK	36	39	21.28	21.39	21.26		
15	QPSK	75	0	21.48	21.62	21.52		
15	16QAM	1	0	21.57	21.67	21.53		
15	16QAM	1	37	21.55	21.73	21.60	23	1
15	16QAM	1	74	21.55	21.59	21.56		
15	16QAM	36	0	20.35	20.40	20.36		
15	16QAM	36	20	20.42	20.52	20.37	22	2
15	16QAM	36	39	20.31	20.43	20.30		
15	16QAM	75	0	20.32	20.38	20.28		
15	64QAM	1	0	20.44	20.63	20.52		
15	64QAM	1	37	20.72	20.73	20.75	22	2
15	64QAM	1	74	20.37	20.40	20.31		
15	64QAM	36	0	19.30	19.50	19.29		
15	64QAM	36	20	19.36	19.47	19.44	21	3
15	64QAM	36	39	19.43	19.49	19.40		
15	64QAM	75	0	19.29	19.37	19.28		
Channel				20930	21100	21400	Tune-up	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.41	22.49	22.44		
10	QPSK	1	25	22.34	22.50	22.45	24	0
10	QPSK	1	49	22.24	22.43	22.33		
10	QPSK	25	0	21.56	21.51	21.52		
10	QPSK	25	12	21.47	21.42	21.36	23	1
10	QPSK	25	25	21.24	21.43	21.30		
10	QPSK	50	0	21.50	21.60	21.63		
10	16QAM	1	0	21.48	21.57	21.63		
10	16QAM	1	25	21.57	21.74	21.70	23	1
10	16QAM	1	49	21.48	21.53	21.55		
10	16QAM	25	0	20.35	20.47	20.38		
10	16QAM	25	12	20.46	20.52	20.40	22	2
10	16QAM	25	25	20.40	20.39	20.26		
10	16QAM	50	0	20.29	20.42	20.35		
10	64QAM	1	0	20.53	20.61	20.47		
10	64QAM	1	25	20.66	20.72	20.68	22	2
10	64QAM	1	49	20.37	20.50	20.30		
10	64QAM	25	0	19.33	19.50	19.30		
10	64QAM	25	12	19.42	19.56	19.44	21	3
10	64QAM	25	25	19.39	19.44	19.39		
10	64QAM	50	0	19.27	19.46	19.29		
Channel				20775	21100	21425	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.40	22.51	22.47		
5	QPSK	1	12	22.42	22.42	22.35	24	0
5	QPSK	1	24	22.19	22.36	22.31		
5	QPSK	12	0	21.52	21.60	21.50		
5	QPSK	12	7	21.37	21.41	21.30	23	1
5	QPSK	12	13	21.25	21.35	21.27		
5	QPSK	25	0	21.54	21.58	21.53		
5	16QAM	1	0	21.51	21.68	21.61		
5	16QAM	1	12	21.56	21.73	21.60	23	1
5	16QAM	1	24	21.51	21.57	21.56		
5	16QAM	12	0	20.32	20.43	20.33		
5	16QAM	12	7	20.50	20.51	20.39	22	2
5	16QAM	12	13	20.30	20.35	20.26		
5	16QAM	25	0	20.23	20.36	20.33		
5	64QAM	1	0	20.55	20.62	20.52		
5	64QAM	1	12	20.66	20.69	20.68	22	2
5	64QAM	1	24	20.40	20.47	20.32		
5	64QAM	12	0	19.27	19.47	19.34		
5	64QAM	12	7	19.38	19.54	19.51	21	3
5	64QAM	12	13	19.34	19.39	19.36		
5	64QAM	25	0	19.32	19.41	19.30		



Reduced Power Mode for DSI 3

GSM850 AnH0 DSI3									
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6		
GSM 1 Tx slot	30.94	31.07	30.89	32.00	21.94	22.07	21.89	23.00	
GPRS 1 Tx slots	30.83	31.03	30.83	32.00	21.83	22.00	21.83	23.00	
GPRS 2 Tx slots	28.22	28.35	28.27	29.50	22.22	22.35	22.27	23.50	
GPRS 3 Tx slots	26.04	26.28	26.07	27.50	21.78	22.02	21.81	23.24	
GPRS 4 Tx slots	24.35	24.44	24.31	25.50	21.35	21.44	21.31	22.50	
EDGE 1 Tx slot	24.20	24.42	24.31	26.00	15.20	15.42	15.31	17.00	
EDGE 2 Tx slots	22.52	22.60	22.54	24.00	16.52	16.60	16.54	18.00	
EDGE 3 Tx slots	20.59	20.81	20.89	22.00	16.33	16.55	16.43	17.74	
EDGE 4 Tx slots	18.72	18.85	18.72	20.00	15.72	15.85	15.72	17.00	

GSM1900 AnH0 DSI3									
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
Frequency (MHz)	1852.2	1850	1850.8		1850.2	1850	1850.8		
GSM 1 Tx slot	25.23	25.42	25.22	27.00	16.23	16.42	16.22	18.00	
GPRS 1 Tx slot	25.17	25.31	25.13	27.00	16.17	16.31	16.13	18.00	
GPRS 2 Tx slots	23.13	23.33	23.32	24.50	17.13	17.33	17.32	18.50	
GPRS 3 Tx slots	21.28	21.29	21.19	22.00	17.00	17.03	16.93	17.74	
GPRS 4 Tx slots	19.14	19.22	19.10	20.50	16.14	16.22	16.10	17.50	
EDGE 1 Tx slot	21.96	22.01	21.87	23.00	12.96	13.01	12.87	14.00	
EDGE 2 Tx slots	18.66	18.92	18.80	20.00	12.66	12.92	12.80	14.00	
EDGE 3 Tx slots	17.73	17.79	17.71	19.00	13.47	13.52	13.45	14.74	
EDGE 4 Tx slots	15.88	15.90	15.76	17.00	12.88	12.90	12.76	14.00	

Band	WCDMA II AnH0 DSI3			WCDMA IV AnH0 DSI3			WCDMA V AnH0 DSI3/7						
	5062	9400	9538	1312	1413	1513	4152	4162	4203				
TX Channel	9662	9900	9998		1597	1638	1788						
Frequency (MHz)	1862.4	1860	1860.6		1712.4	1732.6	1762.6						
3GPP Rel 99	AMR 12.2kbps	18.47	18.51	18.37	19.50	14.99	15.12	15.15	16.50	21.98	22.16	22.04	23.50
3GPP Rel 99	RM-C 12.2kbps	18.53	18.60	18.42	19.50	15.03	15.26	15.16	16.50	22.10	22.23	22.14	23.50
3GPP Rel 6	HSDPA Subtest-1	17.58	17.50	17.41	18.50	14.30	14.28	14.33	15.50	21.25	21.35	21.13	22.50
3GPP Rel 6	HSDPA Subtest-2	17.71	17.70	17.70	18.50	14.07	14.29	14.14	15.50	21.06	21.10	21.28	22.50
3GPP Rel 6	HSDPA Subtest-3	16.81	16.84	16.96	18.00	13.63	13.93	13.54	15.00	20.46	20.71	20.59	22.00
3GPP Rel 6	HSDPA Subtest-4	16.86	16.88	16.83	18.00	13.67	13.59	13.57	15.00	20.53	20.58	20.56	22.00
3GPP Rel 6	DC-HSDPA Subtest-1	17.48	17.61	17.34	18.50	14.28	14.39	14.14	15.50	20.95	21.02	21.05	22.50
3GPP Rel 6	DC-HSDPA Subtest-2	17.40	17.20	17.44	18.50	14.26	14.17	14.56	15.50	20.98	21.07	21.10	22.50
3GPP Rel 6	DC-HSDPA Subtest-3	16.87	16.70	16.87	18.00	13.44	13.82	13.75	15.00	20.22	20.68	20.58	22.00
3GPP Rel 6	DC-HSDPA Subtest-4	16.96	17.01	17.30	18.00	13.59	13.91	13.54	15.00	20.36	20.59	20.56	22.00
3GPP Rel 6	HSUPA Subtest-1	17.33	17.49	17.60	18.50	14.32	14.32	14.48	15.50	21.06	21.12	21.04	22.50
3GPP Rel 6	HSUPA Subtest-2	15.39	15.50	15.24	16.50	12.19	12.39	12.10	13.50	19.17	19.28	19.21	20.50
3GPP Rel 6	HSUPA Subtest-3	16.62	16.65	16.44	17.50	13.09	13.35	13.32	14.50	19.92	20.25	20.00	21.50
3GPP Rel 6	HSUPA Subtest-4	15.36	15.27	15.16	16.50	12.20	12.12	12.36	13.50	19.12	19.07	19.09	20.50
3GPP Rel 6	HSUPA Subtest-5	17.59	17.44	17.27	18.50	14.33	14.57	14.34	15.50	21.10	21.19	21.07	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.92	15.09	14.91	16.00	11.93	12.01	11.85	13.00	18.71	18.88	18.64	20.00



Band 7 Ant1 DSI3

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR
				Low	Middle	High		
Channel				20850	21100	21350	limit (dBm)	(dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.67	18.76	18.73	20	0
20	QPSK	1	49	18.54	18.65	18.61		
20	QPSK	1	99	18.55	18.70	18.63		
20	QPSK	50	0	18.49	18.67	18.50	20	0
20	QPSK	50	24	18.54	18.61	18.62		
20	QPSK	50	50	18.56	18.65	18.54		
20	QPSK	100	0	18.51	18.64	18.60	20	0
20	16QAM	1	0	18.57	18.65	18.62		
20	16QAM	1	49	18.61	18.65	18.55		
20	16QAM	1	99	18.60	18.71	18.56	20	0
20	16QAM	50	0	18.52	18.63	18.58		
20	16QAM	50	24	18.54	18.62	18.51		
20	16QAM	50	50	18.56	18.70	18.55	20	0
20	16QAM	100	0	18.56	18.62	18.56		
20	64QAM	1	0	18.52	18.61	18.54		
20	64QAM	1	49	18.66	18.70	18.56	20	0
20	64QAM	1	99	18.61	18.71	18.58		
20	64QAM	50	0	18.53	18.62	18.52		
20	64QAM	50	24	18.57	18.62	18.54	20	0
20	64QAM	50	50	18.58	18.72	18.65		
20	64QAM	100	0	18.55	18.69	18.64		
Channel				20825	21100	21375	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.60	18.64	18.63	20	0
15	QPSK	1	37	18.44	18.61	18.56		
15	QPSK	1	74	18.42	18.55	18.49		
15	QPSK	36	0	18.34	18.59	18.41	20	0
15	QPSK	36	20	18.39	18.57	18.48		
15	QPSK	36	39	18.46	18.50	18.43		
15	QPSK	75	0	18.36	18.51	18.51	20	0
15	16QAM	1	0	18.47	18.53	18.56		
15	16QAM	1	37	18.26	18.54	18.42		
15	16QAM	1	74	18.54	18.65	18.50	20	0
15	16QAM	36	0	18.47	18.51	18.54		
15	16QAM	36	20	18.48	18.52	18.42		
15	16QAM	36	39	18.43	18.58	18.42	20	0
15	16QAM	75	0	18.46	18.54	18.43		
15	64QAM	1	0	18.40	18.48	18.44		
15	64QAM	1	37	18.55	18.65	18.52	20	0
15	64QAM	1	74	18.52	18.60	18.48		
15	64QAM	36	0	18.44	18.52	18.37		
15	64QAM	36	20	18.49	18.54	18.42	20	0
15	64QAM	36	39	18.52	18.59	18.53		
15	64QAM	75	0	18.40	18.64	18.60		
Channel				20900	21100	21400	Tune-up	MPR
Frequency (MHz)				2509	2535	2565		
10	QPSK	1	0	18.52	18.64	18.65	20	0
10	QPSK	1	25	18.47	18.60	18.54		
10	QPSK	1	49	18.43	18.57	18.54		
10	QPSK	25	0	18.44	18.58	18.37	20	0
10	QPSK	25	12	18.43	18.49	18.51		
10	QPSK	25	25	18.45	18.58	18.42		
10	QPSK	50	0	18.46	18.52	18.50	20	0
10	16QAM	1	0	18.48	18.62	18.48		
10	16QAM	1	25	18.57	18.61	18.44		
10	16QAM	1	49	18.48	18.57	18.52	20	0
10	16QAM	25	0	18.46	18.51	18.44		
10	16QAM	25	12	18.49	18.49	18.41		
10	16QAM	25	25	18.45	18.56	18.47	20	0
10	16QAM	50	0	18.44	18.54	18.49		
10	64QAM	1	0	18.43	18.53	18.39		
10	64QAM	1	25	18.63	18.61	18.51	20	0
10	64QAM	1	49	18.57	18.60	18.50		
10	64QAM	25	0	18.44	18.50	18.47		
10	64QAM	25	12	18.51	18.52	18.39	20	0
10	64QAM	25	25	18.48	18.59	18.57		
10	64QAM	50	0	18.42	18.63	18.51		
Channel				20775	21100	21425	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.60	18.72	18.66	20	0
5	QPSK	1	12	18.45	18.61	18.55		
5	QPSK	1	24	18.51	18.59	18.52		
5	QPSK	12	0	18.38	18.53	18.36	20	0
5	QPSK	12	7	18.50	18.51	18.55		
5	QPSK	12	13	18.50	18.60	18.50		
5	QPSK	25	0	18.42	18.55	18.50	20	0
5	16QAM	1	0	18.50	18.62	18.56		
5	16QAM	1	12	18.51	18.61	18.50		
5	16QAM	1	24	18.56	18.65	18.53	20	0
5	16QAM	12	0	18.48	18.55	18.44		
5	16QAM	12	7	18.40	18.51	18.39		
5	16QAM	12	13	18.48	18.61	18.50	20	0
5	16QAM	25	0	18.41	18.56	18.49		
5	64QAM	1	0	18.43	18.53	18.43		
5	64QAM	1	12	18.61	18.65	18.46	20	0
5	64QAM	1	24	18.56	18.68	18.51		
5	64QAM	12	0	18.42	18.48	18.48		
5	64QAM	12	7	18.47	18.52	18.40	20	0
5	64QAM	12	13	18.53	18.57	18.56		
5	64QAM	25	0	18.44	18.64	18.56		



Reduced Power Mode for DSI 6

GSM850 ANTD TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	126	189	251		126	189	251	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	32.29	32.38	32.42	33.50	23.29	23.38	23.42	24.50
GPRS 1 Tx slots	32.22	32.34	32.35	33.50	23.22	23.34	23.35	24.50
GPRS 2 Tx slots	29.85	29.84	29.71	31.00	23.85	23.84	23.71	25.00
GPRS 3 Tx slots	28.07	27.81	27.72	29.00	23.81	23.55	23.46	24.74
GPRS 4 Tx slots	26.02	26.00	25.94	27.00	23.02	23.00	22.94	24.00
EDGE 1 Tx slot	25.83	25.90	25.72	27.50	18.83	18.90	18.72	18.50
EDGE 2 Tx slots	24.01	24.09	24.06	25.50	18.01	18.09	18.06	19.50
EDGE 3 Tx slots	22.16	22.26	22.00	23.50	17.90	18.00	17.74	19.24
EDGE 4 Tx slots	20.30	20.33	20.13	21.50	17.30	17.33	17.13	18.50

GSM1900 ANTD DSI6								
GSM1900 ANTD TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1869.8	1850.2	1860	1869.8		
GSM 1 Tx slot	28.24	28.37	28.29	29.50	19.24	19.37	19.29	20.50
GPRS 1 Tx slot	28.16	28.31	28.25	29.50	19.16	19.31	19.25	20.50
GPRS 2 Tx slots	25.46	25.69	25.50	27.00	18.46	18.69	18.50	21.00
GPRS 3 Tx slots	23.68	23.89	23.80	24.50	18.42	18.63	18.64	20.24
GPRS 4 Tx slots	21.84	22.05	21.93	23.00	18.84	19.05	18.93	20.00
EDGE 1 Tx slot	24.85	24.79	24.72	25.50	15.85	15.79	15.72	16.50
EDGE 2 Tx slots	21.10	21.40	21.31	22.50	15.10	15.40	15.31	16.50
EDGE 3 Tx slots	20.08	20.36	20.37	21.50	15.82	16.10	16.11	17.24
EDGE 4 Tx slots	18.32	18.41	18.28	19.50	15.32	15.41	15.28	16.50

Band	WCDMA II ANTD DSI6				WCDMA IV ANTD DSI6			WCDMA V ANTD			Tune-up Limit (dBm)	
	9262	9400	9538	Limit	1312	1413	1513	4132	4182	4233		
TX Channel	9662	9800	9938	Limit	1527	1638	1738	4329	4407	4486		
Frequency (MHz)	1852.4	1880	1907.6	1852.4	1712.4	1732.5	1752.5	826.4	836.4	846.6		
3GPP Rel 99 AMR 12.2Kbps	20.14	20.10	19.99	21.50	17.72	17.82	17.77	19.50	22.36	22.46	22.33	24.00
3GPP Rel 99 RMC 12.2Kbps	20.20	20.24	20.12	21.50	17.80	17.81	17.79	19.50	22.34	22.64	22.39	24.00
3GPP Rel 6 HSDPA Subtest-1	19.25	19.24	19.06	20.50	16.84	16.82	16.88	18.50	21.64	21.71	21.57	23.00
3GPP Rel 6 HSDPA Subtest-2	19.39	19.47	19.40	20.50	16.68	16.93	16.79	18.50	21.48	21.47	21.64	23.00
3GPP Rel 6 HSDPA Subtest-3	18.45	18.59	18.71	20.00	16.29	16.55	16.16	18.00	20.81	21.08	20.98	22.50
3GPP Rel 6 HSDPA Subtest-4	18.51	18.62	18.38	20.00	16.16	16.14	16.11	18.00	20.95	20.95	20.97	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	19.20	19.26	19.05	20.50	16.78	17.05	16.94	18.50	21.34	21.42	21.50	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	19.08	19.93	19.14	20.50	16.83	16.75	17.07	18.50	21.31	21.41	21.50	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	18.80	18.44	18.60	20.00	16.01	16.42	16.34	18.00	20.66	21.02	20.93	22.50
3GPP Rel 8 DC-HSDPA Subtest-4	18.68	18.77	18.94	20.00	16.06	16.40	16.41	18.00	20.72	20.97	21.02	22.50
3GPP Rel 6 HSUPA Subtest-1	19.11	19.16	19.29	20.00	16.80	16.89	17.14	19.00	21.46	21.56	21.62	23.00
3GPP Rel 6 HSUPA Subtest-2	17.16	17.25	16.97	18.00	14.77	14.98	14.73	18.00	19.60	19.63	19.55	21.00
3GPP Rel 6 HSUPA Subtest-3	18.34	18.34	18.20	19.00	15.79	15.98	15.85	17.00	20.31	20.66	20.40	22.00
3GPP Rel 6 HSUPA Subtest-4	17.02	16.98	16.86	18.00	14.83	14.77	15.01	16.00	19.56	19.42	19.51	21.00
3GPP Rel 6 HSUPA Subtest-5	19.29	19.18	18.96	20.00	16.82	17.13	16.85	18.00	21.43	21.59	21.49	23.00
3GPP Rel 7 HSPA+ (HSPA) Subtest-1	16.67	16.81	16.58	17.50	14.65	14.68	14.41	16.50	18.13	19.27	19.08	20.50



Band 7 Ant1 DS16

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR
				Low	Middle	High		
Channel				20850	21100	21350	limit (dBm)	(dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.95	19.08	19.01		
20	QPSK	1	49	18.84	18.94	18.86	20.5	0
20	QPSK	1	99	18.90	18.96	18.86		
20	QPSK	50	0	18.94	19.01	18.92		
20	QPSK	50	24	18.82	18.91	18.87	20.5	0
20	QPSK	50	50	18.87	18.97	18.86		
20	QPSK	100	0	18.86	18.96	18.91		
20	16QAM	1	0	18.85	18.94	18.85		
20	16QAM	1	49	18.81	18.93	18.86	20.5	0
20	16QAM	1	99	18.94	19.01	18.96		
20	16QAM	50	0	18.85	18.96	18.95		
20	16QAM	50	24	18.92	19.01	18.93	20.5	0
20	16QAM	50	50	18.87	18.96	18.90		
20	16QAM	100	0	18.83	18.97	18.94		
20	64QAM	1	0	18.65	18.96	18.87		
20	64QAM	1	49	18.89	19.00	18.88	20.5	0
20	64QAM	1	99	18.97	19.01	18.91		
20	64QAM	50	0	18.97	19.00	18.86		
20	64QAM	50	24	18.93	18.99	18.94	20.5	0
20	64QAM	50	50	18.97	19.04	18.93		
20	64QAM	100	0	18.93	19.04	18.96		
Channel				20825	21100	21375	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.87	18.99	18.88		
15	QPSK	1	37	18.74	18.81	18.81	20.5	0
15	QPSK	1	74	18.77	18.89	18.73		
15	QPSK	36	0	18.83	18.92	18.82		
15	QPSK	36	20	18.72	18.82	18.78	20.5	0
15	QPSK	36	39	18.74	18.91	18.80		
15	QPSK	75	0	18.74	18.91	18.80		
15	16QAM	1	0	18.75	18.86	18.71		
15	16QAM	1	37	18.71	18.86	18.80	20.5	0
15	16QAM	1	74	18.82	18.88	18.87		
15	16QAM	36	0	18.78	18.86	18.83		
15	16QAM	36	20	18.78	18.88	18.82	20.5	0
15	16QAM	36	39	18.74	18.89	18.77		
15	16QAM	75	0	18.77	18.92	18.84		
15	64QAM	1	0	18.75	18.89	18.76		
15	64QAM	1	37	18.75	18.89	18.79	20.5	0
15	64QAM	1	74	18.83	18.89	18.86		
15	64QAM	36	0	18.93	18.89	18.78		
15	64QAM	36	20	18.84	18.91	18.81	20.5	0
15	64QAM	36	39	18.82	18.96	18.86		
15	64QAM	75	0	18.80	18.96	18.83		
Channel				20950	21100	21400	Tune-up	MPR
Frequency (MHz)				2509	2535	2565		
10	QPSK	1	0	18.86	19.03	18.87		
10	QPSK	1	25	18.75	18.84	18.83	20.5	0
10	QPSK	1	49	18.85	18.90	18.75		
10	QPSK	25	0	18.80	18.96	18.84		
10	QPSK	25	12	18.69	18.87	18.75	20.5	0
10	QPSK	25	25	18.77	18.83	18.75		
10	QPSK	50	0	18.80	18.85	18.87		
10	16QAM	1	0	18.80	18.86	18.78		
10	16QAM	1	25	18.73	18.82	18.80	20.5	0
10	16QAM	1	49	18.91	18.90	18.87		
10	16QAM	25	0	18.79	18.92	18.86		
10	16QAM	25	12	18.86	18.91	18.90	20.5	0
10	16QAM	25	25	18.79	18.91	18.84		
10	16QAM	50	0	18.69	18.83	18.91		
10	64QAM	1	0	18.75	18.83	18.73		
10	64QAM	1	25	18.80	18.97	18.84	20.5	0
10	64QAM	1	49	18.87	18.88	18.83		
10	64QAM	25	0	18.90	18.94	18.84		
10	64QAM	25	12	18.87	18.85	18.84	20.5	0
10	64QAM	25	25	18.92	18.94	18.82		
10	64QAM	50	0	18.86	19.01	18.92		
Channel				20775	21100	21425	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.84	18.96	18.97		
5	QPSK	1	12	18.80	18.92	18.79	20.5	0
5	QPSK	1	24	18.81	18.86	18.75		
5	QPSK	12	0	18.82	18.97	18.78		
5	QPSK	12	7	18.70	18.85	18.60	20.5	0
5	QPSK	12	13	18.81	18.83	18.82		
5	QPSK	25	0	18.74	18.85	18.86		
5	16QAM	1	0	18.77	18.86	18.75		
5	16QAM	1	12	18.76	18.83	18.74	20.5	0
5	16QAM	1	24	18.86	18.95	18.87		
5	16QAM	12	0	18.78	18.91	18.82		
5	16QAM	12	7	18.83	18.93	18.80	20.5	0
5	16QAM	12	13	18.81	18.92	18.81		
5	16QAM	25	0	18.76	18.85	18.91		
5	64QAM	1	0	18.78	18.93	18.82		
5	64QAM	1	12	18.75	18.92	18.81	20.5	0
5	64QAM	1	24	18.92	18.97	18.83		
5	64QAM	12	0	18.87	18.96	18.75		
5	64QAM	12	7	18.81	18.93	18.89	20.5	0
5	64QAM	12	13	18.83	18.97	18.86		
5	64QAM	25	0	18.84	18.96	18.90		



Reduced Power Mode for DSI 7

GSM850 Ant0 DSI7								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	168	251		128	168	251	
Frequency (MHz)	824.2	834.4	844.6	152.2	152.2	152.2	152.2	
GSM 1 Tx slot	30.84	31.07	30.89	32.00	21.84	22.07	21.89	
GPRS 1 Tx slot	30.83	31.03	30.83	32.00	21.83	22.03	21.83	
GPRS 2 Tx slots	28.22	28.35	28.27	29.50	22.22	22.35	22.27	
GPRS 3 Tx slots	28.04	28.28	28.07	27.60	21.78	22.02	21.81	
GPRS 4 Tx slots	24.35	24.44	24.31	25.50	21.35	21.44	21.31	
EDGE 1 Tx slot	24.20	24.42	24.31	28.00	15.20	15.42	15.31	
EDGE 2 Tx slots	22.52	22.60	22.54	24.00	16.52	16.60	16.54	
EDGE 3 Tx slots	20.58	20.81	20.69	22.00	18.53	18.55	18.43	
EDGE 4 Tx slots	18.72	18.85	18.72	20.00	15.72	15.85	15.72	

GSM1900 Ant0 DSI7								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1869.8	150.2	150.2	150.2	150.2	
GSM 1 Tx slot	23.79	23.91	23.88	25.50	14.79	14.81	14.86	
GPRS 1 Tx slot	23.73	23.86	23.78	25.50	14.73	14.86	14.78	
GPRS 2 Tx slots	21.67	21.86	21.73	23.00	15.67	15.86	15.73	
GPRS 3 Tx slots	19.68	19.85	19.66	20.50	15.42	15.59	15.40	
GPRS 4 Tx slots	17.46	17.82	17.75	19.00	14.46	14.82	14.75	
EDGE 1 Tx slot	20.22	20.40	20.20	21.50	11.22	11.40	11.20	
EDGE 2 Tx slots	17.33	17.46	17.32	18.50	11.33	11.46	11.32	
EDGE 3 Tx slots	16.17	16.41	16.29	17.50	11.91	12.15	12.03	
EDGE 4 Tx slots	14.05	14.36	14.22	15.50	11.05	11.36	11.22	

Band	WCDMA II Ant0 DSI7				WCDMA IV Ant0 DSI7			WCDMA V Ant0 DSI7			Tune-up Limit (dBm)
	5262	9400	9538	9538	1312	1413	1513	4132	4182	4233	
Rx Channel	9662	9800	9938	9938	1537	1638	1738	4357	4407	4458	
Frequency (MHz)	1852.2	1850	1847.2	1847.2	1222.3	1225	1232.3	4261	4301	4358	
3GPP Rel 99	AMR 12.2kbps	17.05	16.95	16.94	18.00	14.59	14.79	14.72	16.00	21.98	
3GPP Rel 99	RMC 12.2kbps	17.12	17.16	17.00	18.00	14.81	14.86	14.74	16.00	22.10	
3GPP Rel 6	HSDPA Subtest-1	16.09	16.03	15.99	17.00	13.94	13.79	13.91	15.00	21.25	
3GPP Rel 6	HSDPA Subtest-2	16.32	16.26	16.36	17.00	13.62	13.86	13.75	15.00	21.08	
3GPP Rel 6	HSDPA Subtest-3	15.32	15.46	15.64	16.50	13.31	13.54	13.15	14.50	20.46	
3GPP Rel 6	HSDPA Subtest-4	15.43	15.54	15.24	16.50	13.16	13.16	13.15	14.50	20.53	
3GPP Rel 8	DC-HSDPA Subtest-1	16.13	16.18	15.91	17.00	13.86	14.07	13.79	15.00	20.95	
3GPP Rel 8	DC-HSDPA Subtest-2	16.04	15.84	16.09	17.00	13.86	13.73	14.10	15.00	20.98	
3GPP Rel 8	DC-HSDPA Subtest-3	15.45	15.34	15.53	16.50	13.03	13.39	13.39	14.50	20.22	
3GPP Rel 8	DC-HSDPA Subtest-4	15.56	15.69	15.84	16.50	13.11	13.37	13.39	14.50	20.30	
3GPP Rel 6	HSPA Subtest-1	15.97	16.14	16.21	17.00	13.93	14.02	14.07	15.00	21.05	
3GPP Rel 6	HSPA Subtest-2	14.02	14.10	13.90	15.00	11.73	11.99	11.75	13.00	19.17	
3GPP Rel 6	HSPA Subtest-3	15.25	15.23	15.05	16.00	12.71	12.93	12.91	14.00	19.92	
3GPP Rel 6	HSPA Subtest-4	13.67	13.81	13.83	15.00	11.84	11.77	11.97	13.00	18.12	
3GPP Rel 6	HSPA Subtest-5	16.22	16.01	15.81	17.00	13.99	14.23	13.95	15.00	21.10	
3GPP Rel 7	HSPA+ (MCM) Subtest-1	13.52	13.71	13.47	14.50	11.50	11.64	11.50	12.50	18.71	



Band 7 Ant1 DSI7

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR
				Low	Middle	High		
Channel				20850	21100	21350	limit (dBm)	(dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.67	18.76	18.73	20	0
20	QPSK	1	49	18.54	18.65	18.61		
20	QPSK	1	99	18.55	18.70	18.63		
20	QPSK	50	0	18.49	18.67	18.50	20	0
20	QPSK	50	24	18.54	18.61	18.62		
20	QPSK	50	50	18.56	18.65	18.54		
20	QPSK	100	0	18.51	18.64	18.60	20	0
20	16QAM	1	0	18.57	18.65	18.62		
20	16QAM	1	49	18.61	18.65	18.55		
20	16QAM	1	99	18.60	18.71	18.56	20	0
20	16QAM	50	0	18.52	18.63	18.58		
20	16QAM	50	24	18.54	18.62	18.51		
20	16QAM	50	50	18.56	18.70	18.55	20	0
20	16QAM	100	0	18.56	18.62	18.56		
20	64QAM	1	0	18.52	18.61	18.54		
20	64QAM	1	49	18.66	18.70	18.56	20	0
20	64QAM	1	99	18.61	18.71	18.58		
20	64QAM	50	0	18.53	18.62	18.52		
20	64QAM	50	24	18.57	18.62	18.54	20	0
20	64QAM	50	50	18.58	18.72	18.65		
20	64QAM	100	0	18.55	18.69	18.64		
Channel				20825	21100	21375	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.60	18.64	18.63	20	0
15	QPSK	1	37	18.44	18.61	18.56		
15	QPSK	1	74	18.42	18.55	18.49		
15	QPSK	36	0	18.34	18.59	18.41	20	0
15	QPSK	36	20	18.39	18.57	18.48		
15	QPSK	36	39	18.46	18.50	18.43		
15	QPSK	75	0	18.36	18.51	18.51	20	0
15	16QAM	1	0	18.47	18.53	18.56		
15	16QAM	1	37	18.26	18.54	18.42		
15	16QAM	1	74	18.54	18.65	18.50	20	0
15	16QAM	36	0	18.47	18.51	18.54		
15	16QAM	36	20	18.48	18.52	18.42		
15	16QAM	36	39	18.43	18.58	18.42	20	0
15	16QAM	75	0	18.46	18.54	18.43		
15	64QAM	1	0	18.40	18.48	18.44		
15	64QAM	1	37	18.55	18.65	18.52	20	0
15	64QAM	1	74	18.52	18.60	18.48		
15	64QAM	36	0	18.44	18.52	18.37		
15	64QAM	36	20	18.49	18.54	18.42	20	0
15	64QAM	36	39	18.52	18.59	18.53		
15	64QAM	75	0	18.40	18.64	18.60		
Channel				20900	21100	21400	Tune-up	MPR
Frequency (MHz)				2509	2535	2565		
10	QPSK	1	0	18.52	18.64	18.65	20	0
10	QPSK	1	25	18.47	18.60	18.54		
10	QPSK	1	49	18.43	18.57	18.54		
10	QPSK	25	0	18.44	18.58	18.37	20	0
10	QPSK	25	12	18.43	18.49	18.51		
10	QPSK	25	25	18.45	18.58	18.42		
10	QPSK	50	0	18.46	18.52	18.50	20	0
10	16QAM	1	0	18.48	18.62	18.48		
10	16QAM	1	25	18.57	18.61	18.44		
10	16QAM	1	49	18.48	18.57	18.52	20	0
10	16QAM	25	0	18.46	18.51	18.44		
10	16QAM	25	12	18.49	18.49	18.41		
10	16QAM	25	25	18.45	18.56	18.47	20	0
10	16QAM	50	0	18.44	18.54	18.49		
10	64QAM	1	0	18.43	18.53	18.39		
10	64QAM	1	25	18.63	18.61	18.51	20	0
10	64QAM	1	49	18.57	18.60	18.50		
10	64QAM	25	0	18.44	18.50	18.47		
10	64QAM	25	12	18.51	18.52	18.39	20	0
10	64QAM	25	25	18.48	18.59	18.57		
10	64QAM	50	0	18.42	18.63	18.51		
Channel				20775	21100	21425	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.60	18.72	18.66	20	0
5	QPSK	1	12	18.45	18.61	18.55		
5	QPSK	1	24	18.51	18.59	18.52		
5	QPSK	12	0	18.38	18.53	18.36	20	0
5	QPSK	12	7	18.50	18.51	18.55		
5	QPSK	12	13	18.50	18.60	18.50		
5	QPSK	25	0	18.42	18.55	18.50	20	0
5	16QAM	1	0	18.50	18.62	18.56		
5	16QAM	1	12	18.51	18.61	18.50		
5	16QAM	1	24	18.56	18.65	18.53	20	0
5	16QAM	12	0	18.48	18.55	18.44		
5	16QAM	12	7	18.40	18.51	18.39		
5	16QAM	12	13	18.48	18.61	18.50	20	0
5	16QAM	25	0	18.41	18.56	18.49		
5	64QAM	1	0	18.43	18.53	18.43		
5	64QAM	1	12	18.61	18.65	18.46	20	0
5	64QAM	1	24	18.56	18.68	18.51		
5	64QAM	12	0	18.42	18.48	18.48		
5	64QAM	12	7	18.47	18.52	18.40	20	0
5	64QAM	12	13	18.53	18.57	18.56		
5	64QAM	25	0	18.44	18.64	18.56		



Downlink CA Power

2CA DL

CA List	PCC										SCC				Power	
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mult	UL RB	UL Offset	LTE Band	BW (MHz)	DL Channel	DL	WRR CA Tx Power (dBm)	WRR CA Tx Power (dBm)			
	Ant	Ant	UL	UL		UL	UL	Band	Freq. (MHz)	Channel	DL					
CA_2C	Band 2	Ant0	20M	1890	1890Q	QPSK	1	0	Band 2	20M	1980	1098	22.34	22.62		
CA_2A-4A	Band 2	Ant0	20M	1890	1890Q	QPSK	1	0	Band 2	20M	2133	2175	22.45	22.62		
CA_2A-5A	Band 2	Ant0	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	22.45	22.62		
CA_2A-7A	Band 2	Ant0	20M	1890	1890Q	QPSK	1	0	Band 5	10M	881.5	2525	22.32	22.52		
CA_2A-7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	22.60	22.72		
CA_2A-7A	Band 2	Ant0	20M	1890	1890Q	QPSK	1	0	Band 7	20M	2655	3100	22.32	22.52		
CA_4A-5A	Band 7	Ant1	20M	2535	2110Q	QPSK	1	0	Band 2	20M	1960	900	22.47	22.61		
CA_4A-5A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	22.38	22.52		
CA_4A-5A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 4	20M	2133	2175	22.52	22.72		
CA_4A-7A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	22.46	22.62		
CA_4A-7A	Band 7	Ant1	20M	2535	2110Q	QPSK	1	0	Band 4	20M	2133	2175	22.38	22.61		
CA_5A-7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	22.54	22.72		
CA_5A-7A	Band 7	Ant1	20M	2535	2110Q	QPSK	1	0	Band 5	10M	881.5	2525	22.37	22.61		
CA_5A-41A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	22.50	22.72		
CA_5A-41A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	Band 5	10M	881.5	2525	22.66	22.88		
CA_5A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	22.59	22.72		
CA_5A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	22.49	22.95		
CA_7B	Band 7	Ant1	10M	2535	2110Q	QPSK	1	0	Band 7	10M	2544	3193	22.53	22.61		
CA_7C	Band 7	Ant1	20M	2535	2110Q	QPSK	1	0	Band 7	20M	2655	3298	22.43	22.61		
CA_7A-7A	Band 7	Ant1	20M	2535	2110Q	QPSK	1	0	Band 7	10M	2688	3425	22.56	22.61		
CA_7A-66A	Band 7	Ant1	20M	2535	2110Q	QPSK	1	0	Band 66	20M	2155	66886	22.45	22.61		
CA_7A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 7	20M	2655	3100	22.38	22.55		
CA_26A-41A	Band 26	Ant0	10M	831.5	26865	QPSK	1	0	Band 41	20M	2593	40620	22.69	22.76		
CA_26A-41A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	Band 26	10M	876.5	8865	22.73	22.88		
CA_38C	Band 38	Ant1	20M	2580	37850	QPSK	1	0	Band 38	20M	2600	38048	22.63	22.85		
CA_41C	Band 41	Ant1	20M	2593	40620	QPSK	1	0	Band 41	20M	2613	40818	22.69	22.88		
CA_66B	Band 66	Ant0	10M	1745	132322	QPSK	1	0	Band 66	10M	2154	66879	22.45	22.95		
CA_66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 66	20M	2175	67084	22.39	22.95		
CA_66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 66	10M	2198	67311	22.35	22.95		



WLAN/Bluetooth Power

2.4GHz WLAN Ant.4				Full Power&Head &Bodywom &Hotspot&Extremity		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	18.26	19.50	100.00	
	6	2437	18.21	19.50		
	11	2462	18.03	19.50		
802.11g 6Mbps	1	2412	16.03	17.50	97.46	
	6	2437	16.06	19.50		
	10	2457	17.43	19.00		
802.11n-HT20 MCS0	11	2482	14.64	16.00	97.30	
	1	2412	15.34	17.00		
	6	2437	17.55	19.00		
802.11n-HT40 MCS0	10	2457	17.37	19.00	95.14	
	11	2482	13.60	15.00		
	3	2422	13.60	15.00		
802.11n-HT40 MCS0	4	2427	14.06	15.50	95.14	
	6	2437	16.31	18.00		
	7	2442	14.44	16.00		
	8	2447	13.43	15.00		
	9	2452	12.87	14.50		

5.2GHz WLAN Ant.4				Full Power&Head&Extremity		Hotspot		Bodywom		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	16.54	18.00	Not Required	16.50	Not Required	16.00	97.46	
	40	5200	17.88	19.50						
	44	5220	17.97	19.50						
	48	5240	17.91	19.50						
802.11n-HT20 MCS0	36	5180	16.24	17.50	Not Required	16.50	Not Required	16.00	97.29	
	40	5200	17.79	19.50						
	44	5220	17.76	19.50						
802.11n-HT40 MCS0	48	5240	17.74	19.50	Not Required	16.50	Not Required	16.00	94.72	
	38	5190	15.32	17.00						
	46	5230	16.84	18.50						
802.11ac-VHT20 MCS0	36	5190	16.30	18.00	Not Required	16.50	Not Required	16.00	97.31	
	40	5200	17.80	19.50						
	44	5220	17.77	19.50						
	48	5240	17.79	19.50						
802.11ac-VHT40 MCS0	38	5190	15.36	17.00	Not Required	16.50	Not Required	16.00	94.35	
	46	5230	16.87	18.50						
802.11ac-VHT80 MCS0	42	5210	14.31	16.00	Not Required	16.00	Not Required	16.00	89.20	

5.3GHz WLAN Ant.4				Full Power&Head&Extremity		Bodywom		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
802.11a 6Mbps	52	5280	17.88	19.50	Not Required	16.00	97.46		
	56	5280	17.87	19.50					
	60	5300	17.60	19.50					
	64	5320	16.85	18.50					
802.11n-HT20 MCS0	52	5280	17.72	19.50	Not Required	16.00	97.29		
	56	5280	17.71	19.50					
	60	5300	17.73	19.50					
802.11n-HT40 MCS0	64	5320	16.23	17.50	Not Required	16.00	94.72		
	54	5270	16.80	18.50					
	62	5310	14.86	16.50					
802.11ac-VHT20 MCS0	52	5280	17.75	19.50	Not Required	16.00	97.31		
	56	5280	17.74	19.50					
	60	5300	17.80	19.50					
	64	5320	16.29	18.00					
802.11ac-VHT40 MCS0	54	5270	16.89	18.50	Not Required	16.00	94.35		
	62	5310	14.92	16.50					
802.11ac-VHT80 MCS0	58	5290	13.25	14.50	Not Required	14.50	Not Required	16.00	89.20

5.5GHz WLAN Ant.4				Full Power&Extremity		Head&Bodywom		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	17.86	19.50	Not Required	17.50	97.46	
	116	5580	17.89	19.50				
	124	5620	17.91	19.50				
	132	5660	17.86	19.50				
	140	5700	16.80	18.50				
	144	5720	17.81	19.50				
802.11n-HT20 MCS0	100	5500	17.69	19.50	Not Required	17.50	97.29	
	116	5580	17.70	19.50				
	124	5620	17.67	19.50				
	132	5660	17.69	19.50				
	140	5700	16.14	17.50				
	144	5720	17.67	19.50				
802.11n-HT40 MCS0	102	5510	15.89	17.50	Not Required	17.50	94.72	
	110	5550	16.78	18.50				
	128	5630	16.77	18.50				
	134	5670	16.75	18.50				
	142	5710	16.76	18.50				
	142	5710	16.76	18.50				
802.11ac-VHT20 MCS0	100	5500	17.74	19.50	Not Required	17.50	97.31	
	116	5580	17.76	19.50				
	124	5620	17.78	19.50				
	132	5660	17.73	19.50				
	140	5700	16.18	17.50				
	144	5720	17.68	19.50				
802.11ac-VHT40 MCS0	102	5510	15.98	17.50	Not Required	17.50	94.35	
	110	5550	16.83	18.50				
	126	5630	16.81	18.50				
	134	5670	16.79	18.50				
	142	5710	16.81	18.50				
	142	5710	16.81	18.50				
802.11ac-VHT80 MCS0	106	5530	14.48	16.00	Not Required	14.48	16.00	89.20
	122	5610	16.45	18.00				
	138	5690	16.38	18.00				

5.8GHz WLAN Ant.4				Full Power&Extremity		Head		Hotspot		Bodywom		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	148	5745	17.83	19.50	Not Required	14.50	Not Required	15.00	Not Required	16.50	97.46	
	157	5785	17.82	19.50								
	165	5825	17.88	19.50								
802.11n-HT20 MCS0	148	5745	17.72	19.50	Not Required	14.50	Not Required	15.00	Not Required	16.50	97.29	
	157	5785	17.73	19.50								
	165	5825	17.70	19.50								
802.11n-HT40 MCS0	151	5755	16.78	18.50	Not Required	14.50	Not Required	15.00	Not Required	16.50	94.72	
	159	5795	16.76	18.50								
	149	5745	17.74	19.50								
802.11ac-VHT20 MCS0	149	5745	17.76	19.50	Not Required	14.50	Not Required	15.00	Not Required	16.50	97.31	
	157	5785	17.77	19.50								
	165	5825	17.77	19.50								
802.11ac-VHT40 MCS0	151	5755	16.80	18.50	Not Required	14.50	Not Required	15.00	Not Required	16.50	94.35	
	159	5795	16.81	18.50								
802.11ac-VHT80 MCS0	155	5775	16.38	18.00	13.18	14.50	13.18	15.00	15.23	16.50	89.20	

**BR / EDR**

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.93	10.15	9.87
	CH 39	2441	12.15	9.97	9.53
	CH 78	2480	13.53	10.44	10.71
Tune-up Limit			14.00	11.50	11.50

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	2.42
	CH 19	2440	2.54
	CH 39	2480	2.50
Tune-up Limit			4.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	2.85
	CH 19	2440	2.46
	CH 39	2480	2.56
Tune-up Limit			4.00