

Full Power & DSI2 & DSI 4

GSM850 Ant0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.33	32.35	32.26	33.50	23.33	23.35	23.26	24.50
GPRS 1 Tx slot		32.26	32.29	32.19	33.50	23.26	23.29	23.19	24.50
GPRS 2 Tx slots		29.62	29.72	29.64	31.00	23.62	23.72	23.64	25.00
GPRS 3 Tx slots		27.88	27.63	27.56	29.00	23.62	23.37	23.30	24.74
GPRS 4 Tx slots		25.85	25.99	25.91	27.00	22.85	22.99	22.91	24.00
EDGE 1 Tx slot		25.70	25.74	25.57	27.50	16.70	16.74	16.57	18.50
EDGE 2 Tx slots		23.86	23.94	23.84	25.50	17.86	17.94	17.84	19.50
EDGE 3 Tx slots		22.13	22.21	21.89	23.50	17.87	17.95	17.63	19.24
EDGE 4 Tx slots		20.15	20.33	20.13	21.50	17.15	17.33	17.13	18.50

GSM1900 Ant0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.30	29.37	29.32	30.50	20.30	20.37	20.32	21.50
GPRS 1 Tx slot		29.24	29.31	29.26	30.50	20.24	20.31	20.26	21.50
GPRS 2 Tx slots		26.38	26.55	26.40	28.00	20.38	20.55	20.49	22.00
GPRS 3 Tx slots		24.79	24.59	24.79	25.50	20.53	20.33	20.53	21.24
GPRS 4 Tx slots		22.79	22.73	23.09	24.00	19.79	19.73	20.09	21.00
EDGE 1 Tx slot		25.48	25.59	25.48	26.50	16.48	16.59	16.48	17.50
EDGE 2 Tx slots		22.44	22.30	22.14	23.50	16.44	16.30	16.14	17.50
EDGE 3 Tx slots		21.28	21.05	20.95	22.50	17.02	16.79	16.69	18.24
EDGE 4 Tx slots		19.34	19.24	18.99	20.50	16.34	16.24	15.99	17.50

Band		WCDMA II Ant0			Tune-up Limit (dBm)	WCDMA V Ant0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		4132	4182	4233	
Rx Channel		9662	9800	9938		4357	4407	4456	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.67	22.69	22.59	24.00	22.69	22.75	22.63	24.00
3GPP Rel 99	RMC 12.2Kbps	22.71	22.75	22.66	24.00	22.80	22.84	22.72	24.00
3GPP Rel 6	HSDPA Subtest-1	21.84	21.77	21.66	23.00	21.94	22.00	21.77	23.00
3GPP Rel 6	HSDPA Subtest-2	21.86	22.06	21.98	23.00	21.73	21.76	21.99	23.00
3GPP Rel 6	HSDPA Subtest-3	21.03	21.19	21.39	22.50	21.11	21.30	21.28	22.50
3GPP Rel 6	HSDPA Subtest-4	21.08	21.14	20.87	22.50	21.20	21.31	21.27	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	21.83	21.83	21.64	23.00	21.68	21.68	21.80	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	21.71	21.42	21.67	23.00	21.66	21.56	21.85	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.17	21.05	21.30	22.50	20.91	21.17	21.23	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	21.24	21.31	21.53	22.50	20.86	21.24	21.20	22.50
3GPP Rel 6	HSUPA Subtest-1	21.60	21.78	21.78	23.00	21.82	21.69	21.77	23.00
3GPP Rel 6	HSUPA Subtest-2	19.79	19.73	19.60	21.00	19.83	19.87	19.79	21.00
3GPP Rel 6	HSUPA Subtest-3	21.03	21.02	20.79	22.00	20.59	20.86	20.64	22.00
3GPP Rel 6	HSUPA Subtest-4	19.59	19.41	19.51	21.00	19.86	19.75	19.77	21.00
3GPP Rel 6	HSUPA Subtest-5	21.80	21.77	21.60	23.00	21.78	21.76	21.66	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.26	19.33	19.06	20.50	19.40	19.46	19.29	20.50

Band 2 Ant0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel				18700	18900	19100								
Frequency (MHz)				1860	1880	1900								
20	QPSK	1	0	22.30	22.35	22.25	24	0	23	1				
20	QPSK	1	49	22.25	22.30	22.22								
20	QPSK	1	99	22.28	22.29	22.20								
20	QPSK	50	0	21.27	21.46	21.38								
20	QPSK	50	24	21.29	21.33	21.23	23	1	23	1				
20	QPSK	50	50	21.24	21.38	21.34								
20	QPSK	100	0	21.25	21.33	21.21								
20	16QAM	1	0	21.41	21.48	21.43								
20	16QAM	1	49	21.53	21.60	21.49	23	1	23	1				
20	16QAM	1	99	21.52	21.55	21.49								
20	16QAM	50	0	20.29	20.35	20.26								
20	16QAM	50	24	20.38	20.41	20.26								
20	16QAM	50	50	20.34	20.47	20.32	22	2	22	2				
20	16QAM	100	0	20.18	20.35	20.23								
20	64QAM	1	0	20.42	20.43	20.41								
20	64QAM	1	49	20.63	20.65	20.57								
20	64QAM	1	99	20.41	20.49	20.45	22	2	22	2				
20	64QAM	50	0	19.28	19.31	19.25								
20	64QAM	50	24	19.33	19.36	19.31								
20	64QAM	50	50	19.39	19.37	19.29								
20	64QAM	100	0	19.28	19.36	19.32	21	3	21	3				
Channel				18675	18900	19125					Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	18800	19025.5								
15	QPSK	1	0	22.19	22.25	22.11					24	0	23	1
15	QPSK	1	37	22.13	22.26	22.12								
15	QPSK	1	74	22.14	22.24	22.12								
15	QPSK	36	0	21.15	21.36	21.31								
15	QPSK	36	20	21.15	21.21	21.18	23	1	23	1				
15	QPSK	36	39	21.17	21.25	21.21								
15	QPSK	75	0	21.10	21.18	21.08								
15	16QAM	1	0	21.33	21.34	21.35								
15	16QAM	1	37	21.42	21.52	21.35	23	1	23	1				
15	16QAM	1	74	21.47	21.42	21.45								
15	16QAM	36	0	20.16	20.30	20.12								
15	16QAM	36	20	20.29	20.34	20.23								
15	16QAM	36	39	20.20	20.42	20.17	22	2	22	2				
15	16QAM	75	0	20.05	20.31	20.14								
15	64QAM	1	0	20.29	20.31	20.31								
15	64QAM	1	37	20.53	20.59	20.44								
15	64QAM	1	74	20.30	20.36	20.37	22	2	22	2				
15	64QAM	36	0	19.17	19.18	19.20								
15	64QAM	36	20	19.28	19.31	19.29								
15	64QAM	36	39	19.34	19.31	19.24								
15	64QAM	75	0	19.18	19.26	19.24	21	3	21	3				
Channel				18650	18900	19150					Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	18800	1905								
10	QPSK	1	0	22.25	22.29	22.18					24	0	23	1
10	QPSK	1	25	22.17	22.25	22.18								
10	QPSK	1	49	22.23	22.21	22.16								
10	QPSK	25	0	21.23	21.31	21.29								
10	QPSK	25	12	21.15	21.21	21.12	23	1	23	1				
10	QPSK	25	25	21.11	21.31	21.22								
10	QPSK	50	0	21.17	21.21	21.15								
10	16QAM	1	0	21.28	21.41	21.37								
10	16QAM	1	25	21.44	21.47	21.38	23	1	23	1				
10	16QAM	1	49	21.43	21.43	21.37								
10	16QAM	25	0	20.17	20.31	20.22								
10	16QAM	25	12	20.34	20.26	20.17								
10	16QAM	25	25	20.23	20.36	20.21	22	2	22	2				
10	16QAM	50	0	20.04	20.20	20.14								
10	64QAM	1	0	20.34	20.28	20.31								
10	64QAM	1	25	20.58	20.60	20.48								
10	64QAM	1	49	20.27	20.37	20.35	22	2	22	2				
10	64QAM	25	0	19.14	19.24	19.10								
10	64QAM	25	12	19.27	19.29	19.26								
10	64QAM	25	25	19.27	19.24	19.25								
10	64QAM	50	0	19.17	19.26	19.23	21	3	21	3				
Channel				18625	18900	19175					Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	18800	19075.5								
5	QPSK	1	0	22.21	22.30	22.19					24	0	23	1
5	QPSK	1	12	22.11	22.15	22.16								
5	QPSK	1	24	22.16	22.25	22.09								
5	QPSK	12	0	21.21	21.36	21.26								
5	QPSK	12	7	21.21	21.19	21.09	23	1	23	1				
5	QPSK	12	13	21.14	21.33	21.21								
5	QPSK	25	0	21.21	21.19	21.11								
5	16QAM	1	0	21.35	21.43	21.31								
5	16QAM	1	12	21.39	21.49	21.37	23	1	23	1				
5	16QAM	1	24	21.47	21.50	21.38								
5	16QAM	12	0	20.20	20.24	20.22								
5	16QAM	12	7	20.29	20.26	20.21								
5	16QAM	12	13	20.25	20.32	20.27	22	2	22	2				
5	16QAM	25	0	20.13	20.30	20.09								
5	64QAM	1	0	20.32	20.35	20.26								
5	64QAM	1	12	20.57	20.59	20.44								
5	64QAM	1	24	20.26	20.34	20.32	22	2	22	2				
5	64QAM	12	0	19.19	19.27	19.15								
5	64QAM	12	7	19.21	19.30	19.21								
5	64QAM	12	13	19.30	19.29	19.25								
5	64QAM	25	0	19.21	19.24	19.18	21	3	21	3				
Channel				18615	18900	19185					Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	18800	19065.5								
3	QPSK	1	0	22.20	22.30	22.12					24	0	23	1
3	QPSK	1	8	22.19	22.20	22.13								
3	QPSK	1	14	22.23	22.22	22.15								
3	QPSK	8	0	21.16	21.34	21.28								
3	QPSK	8	4	21.21	21.26	21.13	23	1	23	1				
3	QPSK	8	7	21.19	21.30	21.27								
3	QPSK	15	0	21.18	21.25	21.09								
3	16QAM	1	0	21.34	21.37	21.33								
3	16QAM	1	8	21.42	21.50	21.39	23	1	23	1				
3	16QAM	1	14	21.40	21.45	21.34								
3	16QAM	8	0	20.17	20.28	20.11								
3	16QAM	8	4	20.26	20.35	20.16								
3	16QAM	8	7	20.24	20.33	20.20	22	2	22	2				
3	16QAM	15	0	20.05	20.24	20.09								
3	64QAM	1	0	20.35	20.39	20.36								
3	64QAM	1	8	20.56	20.60	20.48								
3	64QAM	1	14	20.37	20.34	20.32	22	2	22	2				
3	64QAM	8	0	19.16	19.26	19.15								
3	64QAM	8	4	19.26	19.28	19.25								
3	64QAM	8	7	19.32	19.27	19.16								
3	64QAM	15	0	19.20	19.25	19.23	21	3	21	3				
Channel				18607	18900	19192					Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	18800	19093.3								
1.4	QPSK	1	0	22.16	22.25	22.14					24	0	23	1
1.4	QPSK	1	3	22.21	22.22	22.14								
1.4	QPSK	1	5	22.15	22.19	22.11								
1.4	QPSK	3	0	22.14	22.30	22.28								
1.4	QPSK	3	1	22.15	22.17	22.06	23	1	23	1				
1.4	QPSK	3	3	22.14	22.28	22.16								
1.4	QPSK	6	0	21.20	21.22	21.13								
1.4	16QAM	1	0	21.31	21.38	21.37								
1.4	16QAM	1	3	21.45	21.34	21.45	23	1	23	1				
1.4	16QAM	1	5	21.41	21.49	21.38								
1.4	16QAM	3	0	21.25	21.28	21.21								
1.4	16QAM	3	1	21.39	21.31	21.17								
1.4	16QAM	3	3	21.35	21.46	21.25	22	2	22	2				
1.4	16QAM	6	0	20.05	20.20	20.09								
1.4	64QAM	1	0	20.29	20.39	20.34								
1.4	64QAM	1	3	20.50	20.54	20.53								
1.4	64QAM	3	0	20.31	20.35	20.31	22	2	22	2				
1.4	64QAM	3	0	20.27	20.30	20.15								
1.4	64QAM	3	1	20.23	20.27	20.21								
1.4	64QAM	3	3	20.37	20.38	20.30								
1.4	64QAM	6	0	19.23	19.23	19.22	21	3	21	3				

Band 7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	24	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.34	22.42	22.27	24	0	
20	QPSK	1	49	22.23	22.35	22.30			
20	QPSK	1	99	22.18	22.30	22.19			
20	QPSK	50	0	21.38	21.50	21.43			
20	QPSK	50	24	21.36	21.34	21.33	23	1	
20	QPSK	50	50	21.24	21.35	21.26			
20	QPSK	100	0	21.46	21.54	21.45			
20	16QAM	1	0	21.39	21.47	21.45			
20	16QAM	1	49	21.51	21.57	21.55	23	1	
20	16QAM	1	99	21.38	21.48	21.42			
20	16QAM	50	0	20.29	20.40	20.23			
20	16QAM	50	24	20.34	20.39	20.30			
20	16QAM	50	50	20.23	20.25	20.19	22	2	
20	16QAM	100	0	20.23	20.35	20.28			
20	64QAM	1	0	20.44	20.47	20.32			
20	64QAM	1	49	20.58	20.52	20.40			
20	64QAM	1	99	20.33	20.38	20.31	22	2	
20	64QAM	50	0	19.23	19.35	19.20			
20	64QAM	50	24	19.36	19.42	19.35			
20	64QAM	50	50	19.23	19.30	19.23			
20	64QAM	100	0	19.24	19.35	19.22	21	3	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	24	0	
15	QPSK	1	0	22.24	22.27	22.23			
15	QPSK	1	37	22.16	22.31	22.25	23	1	
15	QPSK	1	74	22.14	22.26	22.07			
15	QPSK	36	0	21.24	21.37	21.32			
15	QPSK	36	20	21.28	21.24	21.18			
15	QPSK	36	39	21.16	21.20	21.20	23	1	
15	QPSK	75	0	21.35	21.46	21.37			
15	16QAM	1	0	21.31	21.41	21.32			
15	16QAM	1	37	21.45	21.47	21.40			
15	16QAM	1	74	21.29	21.41	21.37	22	2	
15	16QAM	36	0	20.18	20.26	20.11			
15	16QAM	36	20	20.22	20.31	20.27			
15	16QAM	36	39	20.12	20.14	20.11			
15	16QAM	75	0	20.12	20.22	20.22	22	2	
15	64QAM	1	0	20.33	20.39	20.17			
15	64QAM	1	37	20.45	20.42	20.32			
15	64QAM	1	74	20.21	20.28	20.21			
15	64QAM	36	0	19.15	19.23	19.10	21	3	
15	64QAM	36	20	19.26	19.29	19.20			
15	64QAM	36	39	19.08	19.21	19.14			
15	64QAM	75	0	19.11	19.22	19.18			
Channel				20800	21100	21400	24	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.23	22.29	22.19	24	0	
10	QPSK	1	25	22.10	22.29	22.19			
10	QPSK	1	49	22.13	22.27	22.16			
10	QPSK	25	0	21.35	21.38	21.30			
10	QPSK	25	12	21.28	21.23	21.27	23	1	
10	QPSK	25	25	21.16	21.25	21.16			
10	QPSK	50	0	21.38	21.45	21.31			
10	16QAM	1	0	21.34	21.43	21.39			
10	16QAM	1	25	21.48	21.53	21.41	23	1	
10	16QAM	1	49	21.25	21.33	21.34			
10	16QAM	25	0	20.18	20.29	20.13			
10	16QAM	25	12	20.21	20.30	20.16			
10	16QAM	25	25	20.17	20.10	20.12	22	2	
10	16QAM	50	0	20.10	20.26	20.20			
10	64QAM	1	0	20.30	20.39	20.17			
10	64QAM	1	25	20.53	20.45	20.30			
10	64QAM	1	49	20.26	20.25	20.17	21	3	
10	64QAM	25	0	19.12	19.26	19.09			
10	64QAM	25	12	19.30	19.28	19.23			
10	64QAM	25	25	19.19	19.15	19.16			
10	64QAM	50	0	19.13	19.25	19.19	20775	2502.5	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	24	0	
5	QPSK	1	0	22.24	22.32	22.22			
5	QPSK	1	12	22.18	22.21	22.17	23	1	
5	QPSK	1	24	22.09	22.26	22.06			
5	QPSK	12	0	21.35	21.39	21.29			
5	QPSK	12	7	21.30	21.26	21.24			
5	QPSK	12	13	21.17	21.23	21.11	23	1	
5	QPSK	25	0	21.37	21.45	21.32			
5	16QAM	1	0	21.28	21.37	21.38			
5	16QAM	1	12	21.47	21.42	21.43			
5	16QAM	1	24	21.25	21.43	21.37	22	2	
5	16QAM	12	0	20.17	20.30	20.14			
5	16QAM	12	7	20.24	20.25	20.23			
5	16QAM	12	13	20.15	20.19	20.16			
5	16QAM	25	0	20.18	20.25	20.16	22	2	
5	64QAM	1	0	20.34	20.41	20.29			
5	64QAM	1	12	20.44	20.44	20.33			
5	64QAM	1	24	20.28	20.26	20.24			
5	64QAM	12	0	19.10	19.21	19.08	21	3	
5	64QAM	12	7	19.25	19.32	19.28			
5	64QAM	12	13	19.19	19.15	19.14			
5	64QAM	25	0	19.20	19.24	19.07			

Band 38 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.51	22.61	22.54			
20	QPSK	1	49	22.49	22.59	22.53	24	0	
20	QPSK	1	99	22.38	22.40	22.41			
20	QPSK	50	0	21.47	21.64	21.50			
20	QPSK	50	24	21.53	21.51	21.52	23	1	
20	QPSK	50	50	21.36	21.52	21.48			
20	QPSK	100	0	21.44	21.65	21.58			
20	16QAM	1	0	21.55	21.61	21.57	23	1	
20	16QAM	1	49	21.59	21.71	21.63			
20	16QAM	1	99	21.48	21.54	21.52			
20	16QAM	50	0	20.50	20.54	20.52	22	2	
20	16QAM	50	24	20.58	20.65	20.53			
20	16QAM	50	50	20.45	20.47	20.46			
20	16QAM	100	0	20.51	20.56	20.47	22	2	
20	64QAM	1	0	20.32	20.36	20.39			
20	64QAM	1	49	20.41	20.31	20.28			
20	64QAM	1	99	20.28	20.34	20.25	21	3	
20	64QAM	50	0	19.53	19.61	19.54			
20	64QAM	50	24	19.56	19.60	19.55			
20	64QAM	50	50	19.42	19.49	19.44	21	3	
20	64QAM	100	0	19.53	19.58	19.45			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	24	0	
15	QPSK	1	0	22.43	22.48	22.40			
15	QPSK	1	37	22.42	22.53	22.43			
15	QPSK	1	74	22.24	22.27	22.32	23	1	
15	QPSK	36	0	21.44	21.53	21.46			
15	QPSK	36	20	21.46	21.38	21.48			
15	QPSK	36	39	21.27	21.37	21.36	23	1	
15	QPSK	75	0	21.30	21.60	21.46			
15	16QAM	1	0	21.41	21.50	21.46			
15	16QAM	1	37	21.53	21.58	21.59	23	1	
15	16QAM	1	74	21.40	21.51	21.40			
15	16QAM	36	0	20.40	20.46	20.40			
15	16QAM	36	20	20.44	20.53	20.40	22	2	
15	16QAM	36	39	20.33	20.43	20.35			
15	16QAM	75	0	20.38	20.49	20.35			
15	64QAM	1	0	20.18	20.29	20.33	22	2	
15	64QAM	1	37	20.28	20.26	20.19			
15	64QAM	1	74	20.19	20.31	20.11			
15	64QAM	36	0	19.45	19.55	19.49	21	3	
15	64QAM	36	20	19.49	19.46	19.47			
15	64QAM	36	39	19.31	19.38	19.30			
15	64QAM	75	0	19.47	19.48	19.41	24	0	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	23	1	
10	QPSK	1	0	22.38	22.51	22.45			
10	QPSK	1	25	22.45	22.53	22.39			
10	QPSK	1	49	22.33	22.35	22.26	23	1	
10	QPSK	25	0	21.37	21.53	21.47			
10	QPSK	25	12	21.50	21.47	21.44			
10	QPSK	25	25	21.32	21.42	21.40	23	1	
10	QPSK	50	0	21.29	21.61	21.54			
10	16QAM	1	0	21.51	21.50	21.42			
10	16QAM	1	25	21.47	21.66	21.60	23	1	
10	16QAM	1	49	21.38	21.40	21.47			
10	16QAM	25	0	20.35	20.43	20.43			
10	16QAM	25	12	20.53	20.59	20.38	22	2	
10	16QAM	25	25	20.41	20.35	20.39			
10	16QAM	50	0	20.41	20.43	20.33			
10	64QAM	1	0	20.22	20.32	20.35	22	2	
10	64QAM	1	25	20.36	20.24	20.22			
10	64QAM	1	49	20.18	20.21	20.10			
10	64QAM	25	0	19.46	19.58	19.47	21	3	
10	64QAM	25	12	19.51	19.47	19.43			
10	64QAM	25	25	19.32	19.44	19.40			
10	64QAM	50	0	19.49	19.48	19.37	24	0	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	24	0	
5	QPSK	1	0	22.45	22.50	22.47			
5	QPSK	1	12	22.40	22.46	22.44			
5	QPSK	1	24	22.30	22.26	22.28	23	1	
5	QPSK	12	0	21.39	21.53	21.42			
5	QPSK	12	7	21.48	21.41	21.45			
5	QPSK	12	13	21.28	21.48	21.36	23	1	
5	QPSK	25	0	21.34	21.53	21.46			
5	16QAM	1	0	21.52	21.52	21.50			
5	16QAM	1	12	21.54	21.65	21.60	23	1	
5	16QAM	1	24	21.39	21.46	21.41			
5	16QAM	12	0	20.47	20.49	20.41			
5	16QAM	12	7	20.50	20.60	20.41	22	2	
5	16QAM	12	13	20.36	20.43	20.41			
5	16QAM	25	0	20.40	20.51	20.43			
5	64QAM	1	0	20.19	20.32	20.29	22	2	
5	64QAM	1	12	20.37	20.16	20.21			
5	64QAM	1	24	20.19	20.28	20.11			
5	64QAM	12	0	19.48	19.53	19.44	21	3	
5	64QAM	12	7	19.45	19.53	19.42			
5	64QAM	12	13	19.31	19.36	19.31			
5	64QAM	25	0	19.38	19.48	19.39	21	3	

Band 41 (2.6G Band) Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.37	22.30	22.66	22.44	22.53	24	0
20	QPSK	1	49	22.40	22.35	22.52	22.58	22.47		
20	QPSK	1	99	22.35	22.38	22.51	22.40	22.42		
20	QPSK	50	0	21.35	21.26	21.60	21.47	21.56	23	1
20	QPSK	50	24	21.37	21.41	21.59	21.44	21.51		
20	QPSK	50	50	21.38	21.35	21.45	21.43	21.43		
20	QPSK	100	0	21.40	21.38	21.52	21.35	21.49	23	1
20	16QAM	1	0	21.42	21.45	21.53	21.45	21.41		
20	16QAM	1	49	21.38	21.33	21.29	21.36	21.32		
20	16QAM	1	99	21.56	21.53	21.58	21.58	21.51	22	2
20	16QAM	50	0	20.50	20.40	20.52	20.41	20.37		
20	16QAM	50	24	20.50	20.58	20.60	20.47	20.59		
20	16QAM	50	50	20.41	20.53	20.52	20.46	20.46	22	2
20	16QAM	100	0	20.42	20.53	20.52	20.44	20.41		
20	64QAM	1	0	20.17	20.22	20.26	20.22	20.13		
20	64QAM	1	49	20.24	20.33	20.41	20.35	20.32	22	2
20	64QAM	1	99	20.26	20.29	20.23	20.21	20.25		
20	64QAM	50	0	19.34	19.51	19.47	19.40	19.40		
20	64QAM	50	24	19.50	19.47	19.52	19.54	19.35	21	3
20	64QAM	50	50	19.43	19.42	19.50	19.47	19.49		
20	64QAM	100	0	19.44	19.41	19.63	19.51	19.47		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.25	22.17	22.60	22.35	22.40	24.00	0
15	QPSK	1	37	22.27	22.27	22.45	22.52	22.36		
15	QPSK	1	74	22.26	22.33	22.37	22.30	22.29		
15	QPSK	36	0	21.21	21.12	21.54	21.35	21.46	23	1
15	QPSK	36	20	21.32	21.32	21.50	21.37	21.45		
15	QPSK	36	39	21.29	21.23	21.38	21.36	21.37		
15	QPSK	75	0	21.32	21.30	21.42	21.31	21.35	23	1
15	16QAM	1	0	21.35	21.34	21.43	21.37	21.28		
15	16QAM	1	37	21.27	21.25	21.16	21.31	21.23		
15	16QAM	1	74	21.47	21.41	21.48	21.45	21.39	22	2
15	16QAM	36	0	20.40	20.35	20.41	20.38	20.25		
15	16QAM	36	20	20.42	20.49	20.54	20.38	20.55		
15	16QAM	36	39	20.30	20.46	20.43	20.36	20.34	22	2
15	16QAM	75	0	20.36	20.41	20.37	20.34	20.26		
15	64QAM	1	0	20.12	20.13	20.21	20.18	20.09		
15	64QAM	1	37	20.12	20.25	20.31	20.23	20.19	22	2
15	64QAM	1	74	20.13	20.26	20.10	20.11	20.22		
15	64QAM	36	0	19.20	19.41	19.38	19.30	19.32		
15	64QAM	36	20	19.42	19.40	19.41	19.43	19.27	21	3
15	64QAM	36	39	19.40	19.35	19.40	19.43	19.36		
15	64QAM	75	0	19.34	19.36	19.52	19.42	19.42		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.29	22.20	22.59	22.38	22.46	24.00	0
10	QPSK	1	25	22.26	22.31	22.43	22.53	22.32		
10	QPSK	1	49	22.22	22.25	22.39	22.35	22.37		
10	QPSK	25	0	21.22	21.15	21.49	21.36	21.47	23	1
10	QPSK	25	12	21.23	21.34	21.50	21.33	21.42		
10	QPSK	25	25	21.30	21.24	21.38	21.28	21.32		
10	QPSK	50	0	21.31	21.34	21.39	21.20	21.43	23	1
10	16QAM	1	0	21.38	21.31	21.49	21.42	21.27		
10	16QAM	1	25	21.25	21.21	21.15	21.23	21.21		
10	16QAM	1	49	21.41	21.44	21.46	21.46	21.47	23	1
10	16QAM	25	0	20.43	20.28	20.45	20.38	20.26		
10	16QAM	25	12	20.36	20.49	20.50	20.36	20.53		
10	16QAM	25	25	20.28	20.49	20.45	20.32	20.36	22	2
10	16QAM	50	0	20.37	20.40	20.47	20.41	20.28		
10	64QAM	1	0	20.05	20.11	20.16	20.08	20.08		
10	64QAM	1	25	20.18	20.29	20.37	20.30	20.21	22	2
10	64QAM	1	49	20.18	20.14	20.15	20.08	20.13		
10	64QAM	25	0	19.20	19.40	19.43	19.32	19.31		
10	64QAM	25	12	19.37	19.36	19.39	19.45	19.23	21	3
10	64QAM	25	25	19.35	19.28	19.41	19.39	19.40		
10	64QAM	50	0	19.38	19.26	19.50	19.38	19.44		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.31	22.27	22.53	22.34	22.46	24.00	0
5	QPSK	1	12	22.35	22.31	22.44	22.53	22.38		
5	QPSK	1	24	22.24	22.34	22.37	22.31	22.37		
5	QPSK	12	0	21.28	21.23	21.48	21.40	21.52	23	1
5	QPSK	12	7	21.32	21.37	21.52	21.31	21.38		
5	QPSK	12	13	21.31	21.26	21.37	21.28	21.29		
5	QPSK	25	0	21.35	21.33	21.48	21.22	21.38	23	1
5	16QAM	1	0	21.38	21.34	21.40	21.33	21.38		
5	16QAM	1	12	21.29	21.30	21.16	21.31	21.21		
5	16QAM	1	24	21.41	21.38	21.55	21.44	21.48	22	2
5	16QAM	12	0	20.38	20.27	20.46	20.28	20.28		
5	16QAM	12	7	20.41	20.48	20.50	20.40	20.54		
5	16QAM	12	13	20.29	20.44	20.47	20.35	20.37	22	2
5	16QAM	25	0	20.27	20.41	20.43	20.33	20.29		
5	64QAM	1	0	20.13	20.08	20.21	20.17	20.07		
5	64QAM	1	12	20.11	20.26	20.34	20.28	20.18	22	2
5	64QAM	1	24	20.23	20.19	20.16	20.10	20.20		
5	64QAM	12	0	19.23	19.44	19.33	19.25	19.26		
5	64QAM	12	7	19.43	19.41	19.47	19.42	19.21	21	3
5	64QAM	12	13	19.31	19.32	19.45	19.38	19.35		
5	64QAM	25	0	19.39	19.35	19.50	19.42	19.33		

Reduced power Mode for DSI 3

		GSM850 DSI3&7 Ant 0							
		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
		128	189	251		128	189	251	
TX Channel		524.2	536.4	548.8	544.2	536.4	548.8		
Frequency (MHz)		30.94	31.07	30.89	32.00	21.94	22.07	21.89	
GSM 1 Tx slot		30.83	31.03	30.83	32.00	21.83	22.03	21.83	
GPRS 1 Tx slot		28.22	28.35	28.27	29.50	22.22	22.35	22.27	
GPRS 2 Tx slots		26.04	26.28	26.07	27.50	21.78	22.02	21.81	
GPRS 3 Tx slots		24.35	24.44	24.31	25.50	21.35	21.44	21.31	
GPRS 4 Tx slots		24.20	24.42	24.31	26.00	15.20	15.42	15.31	
EDGE 1 Tx slot		22.52	22.60	22.54	24.00	16.52	16.60	16.54	
EDGE 2 Tx slots		20.59	20.81	20.69	22.00	16.33	16.55	16.43	
EDGE 3 Tx slots		18.72	18.85	18.72	20.00	15.72	15.85	15.72	
EDGE 4 Tx slots									
		GSM1900 DSI3 Ant 0							
		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
		512	661	810		512	661	810	
TX Channel		1850.2	1880	1909.8	1850.2	1880	1909.8		
Frequency (MHz)		25.23	25.42	25.22	27.00	16.23	16.42	16.22	
GSM 1 Tx slot		25.17	25.31	25.13	27.00	16.17	16.31	16.13	
GPRS 1 Tx slot		23.13	23.33	23.32	24.50	17.13	17.33	17.32	
GPRS 2 Tx slots		21.26	21.29	21.19	22.00	17.00	17.03	16.93	
GPRS 3 Tx slots		19.14	19.22	19.10	20.50	16.14	16.22	16.10	
GPRS 4 Tx slots		21.96	22.01	21.87	23.00	12.96	13.01	12.87	
EDGE 1 Tx slot		18.68	18.82	18.80	20.00	12.68	12.82	12.80	
EDGE 2 Tx slots		17.73	17.78	17.71	19.00	13.47	13.52	13.45	
EDGE 3 Tx slots		15.88	15.90	15.78	17.00	12.88	12.90	12.78	
EDGE 4 Tx slots									
		WCDMA II DSI3 Ant 0							
		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
		9262	9400	9538		4132	4182	4233	
TX Channel		9662	9800	9938	4357	4407	4458		
Rx Channel		1852.4	1880	1907.6	826.4	836.4	846.6		
Frequency (MHz)		18.24	18.37	18.15	19.50	22.69	22.75	22.63	
3GPP Rel 99 AMR 12.2Kbps		18.36	18.46	18.24	19.50	22.80	22.84	22.72	
3GPP Rel 99 RMC 12.2Kbps		17.36	17.33	17.17	18.50	21.94	22.00	21.77	
3GPP Rel 6 HSDPA Subtest-1		17.52	17.54	17.50	18.50	21.73	21.76	21.99	
3GPP Rel 6 HSDPA Subtest-2		16.59	16.65	16.74	18.00	21.11	21.30	21.28	
3GPP Rel 6 HSDPA Subtest-3		16.61	16.63	16.39	18.00	21.20	21.31	21.27	
3GPP Rel 8 DC-HSDPA Subtest-1		17.27	17.43	17.14	18.50	21.68	21.68	21.80	
3GPP Rel 8 DC-HSDPA Subtest-2		17.26	17.01	17.30	18.50	21.66	21.56	21.85	
3GPP Rel 8 DC-HSDPA Subtest-3		16.73	16.47	16.66	18.00	20.91	21.17	21.23	
3GPP Rel 8 DC-HSDPA Subtest-4		16.84	16.83	17.07	18.00	20.86	21.24	21.20	
3GPP Rel 6 HSUPA Subtest-1		17.18	17.26	17.38	18.50	21.82	21.69	21.77	
3GPP Rel 6 HSUPA Subtest-2		15.16	15.35	15.01	16.50	19.83	19.87	19.79	
3GPP Rel 6 HSUPA Subtest-3		16.41	16.49	16.30	17.50	20.59	20.86	20.64	
3GPP Rel 6 HSUPA Subtest-4		15.21	15.05	15.04	16.50	19.86	19.75	19.77	
3GPP Rel 6 HSUPA Subtest-5		17.37	17.25	17.04	18.50	21.78	21.76	21.66	
3GPP Rel 7 HSPA+ (16QAM) Subtest-1		14.78	14.94	14.73	16.00	19.40	19.46	19.29	



Band 2 DS3 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	17.32	17.42	17.31	19	0	
20	QPSK	1	49	17.19	17.32	17.24			
20	QPSK	1	99	17.25	17.31	17.26			
20	QPSK	50	0	17.30	17.38	17.33	19	0	
20	QPSK	50	24	17.22	17.30	17.21			
20	QPSK	50	50	17.26	17.33	17.28			
20	QPSK	100	0	17.15	17.29	17.22	19	0	
20	16QAM	1	0	17.16	17.29	17.23			
20	16QAM	1	49	17.31	17.35	17.21			
20	16QAM	1	99	17.26	17.30	17.25	19	0	
20	16QAM	50	0	17.25	17.29	17.19			
20	16QAM	50	24	17.16	17.28	17.15			
20	16QAM	50	50	17.31	17.35	17.28	19	0	
20	16QAM	100	0	17.15	17.29	17.22			
20	64QAM	1	0	17.27	17.32	17.24			
20	64QAM	1	49	17.19	17.29	17.26	19	0	
20	64QAM	1	99	17.29	17.34	17.22			
20	64QAM	50	0	17.26	17.35	17.30			
20	64QAM	50	24	17.33	17.38	17.24	19	0	
20	64QAM	50	50	17.18	17.29	17.16			
20	64QAM	100	0	17.30	17.35	17.27			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	17.22	17.31	17.21	19	0	
15	QPSK	1	37	17.10	17.22	17.18			
15	QPSK	1	74	17.14	17.21	17.22			
15	QPSK	36	0	17.21	17.31	17.26	19	0	
15	QPSK	36	20	17.13	17.17	17.10			
15	QPSK	36	39	17.22	17.25	17.25			
15	QPSK	75	0	17.16	17.29	17.14	19	0	
15	16QAM	1	0	17.06	17.18	17.19			
15	16QAM	1	37	17.17	17.30	17.15			
15	16QAM	1	74	17.18	17.15	17.15	19	0	
15	16QAM	36	0	17.17	17.16	17.07			
15	16QAM	36	20	17.10	17.22	17.03			
15	16QAM	36	39	17.19	17.21	17.24	19	0	
15	16QAM	75	0	17.04	17.14	17.14			
15	64QAM	1	0	17.17	17.24	17.11			
15	64QAM	1	37	17.06	17.16	17.16	19	0	
15	64QAM	1	74	17.20	17.27	17.18			
15	64QAM	36	0	17.12	17.31	17.25			
15	64QAM	36	20	17.22	17.29	17.19	19	0	
15	64QAM	36	39	17.04	17.20	17.02			
15	64QAM	75	0	17.20	17.24	17.20			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	17.22	17.31	17.27	19	0	
10	QPSK	1	25	17.10	17.27	17.21			
10	QPSK	1	49	17.11	17.17	17.20			
10	QPSK	25	0	17.22	17.27	17.24	19	0	
10	QPSK	25	12	17.13	17.22	17.10			
10	QPSK	25	25	17.22	17.20	17.25			
10	QPSK	50	0	17.24	17.24	17.14	19	0	
10	16QAM	1	0	17.09	17.18	17.11			
10	16QAM	1	25	17.22	17.27	17.09			
10	16QAM	1	49	17.19	17.23	17.21	19	0	
10	16QAM	25	0	17.18	17.15	17.11			
10	16QAM	25	12	17.03	17.10	17.02			
10	16QAM	25	25	17.27	17.28	17.14	19	0	
10	16QAM	50	0	17.09	17.24	17.07			
10	64QAM	1	0	17.12	17.21	17.20			
10	64QAM	1	25	17.15	17.16	17.22	19	0	
10	64QAM	1	49	17.20	17.28	17.17			
10	64QAM	25	0	17.17	17.30	17.23			
10	64QAM	25	12	17.21	17.26	17.10	19	0	
10	64QAM	25	25	17.07	17.16	17.08			
10	64QAM	50	0	17.25	17.29	17.22			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	17.25	17.36	17.28	19	0	
5	QPSK	1	12	17.05	17.21	17.10			
5	QPSK	1	24	17.18	17.27	17.21			
5	QPSK	12	0	17.22	17.32	17.21	19	0	
5	QPSK	12	7	17.08	17.16	17.06			
5	QPSK	12	13	17.24	17.20	17.21			
5	QPSK	25	0	17.26	17.21	17.11	19	0	
5	16QAM	1	0	17.01	17.18	17.18			
5	16QAM	1	12	17.16	17.25	17.12			
5	16QAM	1	24	17.11	17.27	17.12	19	0	
5	16QAM	12	0	17.12	17.26	17.18			
5	16QAM	12	7	17.07	17.19	17.10			
5	16QAM	12	13	17.22	17.32	17.20	19	0	
5	16QAM	25	0	17.04	17.18	17.07			
5	64QAM	1	0	17.22	17.19	17.16			
5	64QAM	1	12	17.07	17.20	17.13	19	0	
5	64QAM	1	24	17.17	17.27	17.15			
5	64QAM	12	0	17.15	17.25	17.18			
5	64QAM	12	7	17.28	17.30	17.13	19	0	
5	64QAM	12	13	17.15	17.24	17.12			
5	64QAM	25	0	17.15	17.24	17.23			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	17.19	17.35	17.21	19	0	
3	QPSK	1	8	17.05	17.24	17.19			
3	QPSK	1	14	17.21	17.26	17.14			
3	QPSK	8	0	17.19	17.35	17.26	19	0	
3	QPSK	8	4	17.13	17.21	17.08			
3	QPSK	8	7	17.18	17.27	17.15			
3	QPSK	15	0	17.23	17.21	17.19	19	0	
3	16QAM	1	0	17.11	17.20	17.19			
3	16QAM	1	8	17.28	17.31	17.09			
3	16QAM	1	14	17.12	17.26	17.18	19	0	
3	16QAM	8	0	17.12	17.16	17.14			
3	16QAM	8	4	17.13	17.23	17.02			
3	16QAM	8	7	17.17	17.23	17.15	19	0	
3	16QAM	15	0	17.07	17.14	17.14			
3	64QAM	1	0	17.17	17.18	17.11			
3	64QAM	1	8	17.07	17.17	17.18	19	0	
3	64QAM	1	14	17.24	17.23	17.09			
3	64QAM	8	0	17.12	17.25	17.20			
3	64QAM	8	4	17.25	17.34	17.13	19	0	
3	64QAM	8	7	17.08	17.22	17.09			
3	64QAM	15	0	17.20	17.31	17.15			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1908.3			
1.4	QPSK	1	0	17.26	17.34	17.18	19	0	
1.4	QPSK	1	3	17.10	17.28	17.13			
1.4	QPSK	1	5	17.17	17.24	17.21			
1.4	QPSK	3	0	17.15	17.30	17.19	19	0	
1.4	QPSK	3	1	17.17	17.20	17.13			
1.4	QPSK	3	3	17.19	17.26	17.19			
1.4	QPSK	6	0	17.16	17.27	17.14	19	0	
1.4	16QAM	1	0	17.01	17.24	17.13			
1.4	16QAM	1	3	17.18	17.25	17.08			
1.4	16QAM	1	5	17.19	17.15	17.18	19	0	
1.4	16QAM	3	0	17.14	17.25	17.14			
1.4	16QAM	3	1	17.07	17.25	17.09	19	0	
1.4	16QAM	3	3	17.18	17.24	17.22			
1.4	16QAM	6	0	17.02	17.16	17.13			
1.4	16QAM	1	0	17.15	17.17	17.15	19	0	
1.4	16QAM	1	3	17.06	17.16	17.13			
1.4	16QAM	1	5	17.18	17.24	17.21			
1.4	64QAM	3	0	17.12	17.30	17.20	19	0	
1.4	64QAM	3	1	17.12	17.27	17.18			
1.4	64QAM	3	3	17.09	17.25	17.05			
1.4	64QAM	6	0	17.15	17.28	17.16	19	0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	18.37	18.50	18.43	20	0	
20	QPSK	1	49	18.31	18.40	18.28			
20	QPSK	1	99	18.33	18.45	18.41			
20	QPSK	50	0	18.37	18.47	18.35			
20	QPSK	50	24	18.33	18.42	18.35	20	0	
20	QPSK	50	50	18.27	18.41	18.34			
20	QPSK	100	0	18.32	18.39	18.29			
20	16QAM	1	0	18.39	18.42	18.36			
20	16QAM	1	49	18.29	18.37	18.27	20	0	
20	16QAM	1	99	18.41	18.45	18.39			
20	16QAM	50	0	18.34	18.39	18.26			
20	16QAM	50	24	18.32	18.41	18.37			
20	16QAM	50	50	18.24	18.37	18.33	20	0	
20	16QAM	100	0	18.43	18.47	18.37			
20	64QAM	1	0	18.33	18.42	18.38			
20	64QAM	1	49	18.29	18.40	18.36			
20	64QAM	1	99	18.35	18.39	18.31	20	0	
20	64QAM	50	0	18.26	18.37	18.27			
20	64QAM	50	24	18.38	18.45	18.35			
20	64QAM	50	50	18.32	18.43	18.35			
20	64QAM	100	0	18.27	18.37	18.30			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	18.33	18.39	18.29	20	0	
15	QPSK	1	37	18.17	18.27	18.13			
15	QPSK	1	74	18.19	18.41	18.38			
15	QPSK	36	0	18.31	18.42	18.21			
15	QPSK	36	20	18.20	18.32	18.23	20	0	
15	QPSK	36	39	18.15	18.32	18.23			
15	QPSK	75	0	18.20	18.32	18.20			
15	16QAM	1	0	18.36	18.35	18.25			
15	16QAM	1	37	18.21	18.33	18.18	20	0	
15	16QAM	1	74	18.28	18.32	18.28			
15	16QAM	36	0	18.21	18.26	18.15			
15	16QAM	36	20	18.21	18.29	18.22			
15	16QAM	36	39	18.12	18.25	18.27	20	0	
15	16QAM	75	0	18.39	18.42	18.32			
15	64QAM	1	0	18.26	18.33	18.31			
15	64QAM	1	37	18.16	18.32	18.25			
15	64QAM	1	74	18.22	18.30	18.25	20	0	
15	64QAM	36	0	18.23	18.32	18.13			
15	64QAM	36	20	18.35	18.41	18.27			
15	64QAM	36	39	18.19	18.33	18.22			
15	64QAM	75	0	18.14	18.25	18.22			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	18.34	18.42	18.31	20	0	
10	QPSK	1	25	18.18	18.28	18.25			
10	QPSK	1	49	18.24	18.34	18.37			
10	QPSK	25	0	18.26	18.33	18.23			
10	QPSK	25	12	18.26	18.27	18.20	20	0	
10	QPSK	25	25	18.20	18.33	18.27			
10	QPSK	50	0	18.21	18.32	18.24			
10	16QAM	1	0	18.26	18.31	18.25			
10	16QAM	1	25	18.21	18.34	18.21	20	0	
10	16QAM	1	49	18.32	18.40	18.24			
10	16QAM	25	0	18.23	18.27	18.22			
10	16QAM	25	12	18.18	18.32	18.24			
10	16QAM	25	25	18.19	18.32	18.25	20	0	
10	16QAM	50	0	18.36	18.40	18.32			
10	64QAM	1	0	18.26	18.36	18.29			
10	64QAM	1	25	18.16	18.34	18.32			
10	64QAM	1	49	18.22	18.26	18.17	20	0	
10	64QAM	25	0	18.12	18.32	18.20			
10	64QAM	25	12	18.29	18.34	18.23			
10	64QAM	25	25	18.25	18.34	18.28			
10	64QAM	50	0	18.14	18.33	18.27			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	18.25	18.44	18.39	20	0	
5	QPSK	1	12	18.26	18.36	18.24			
5	QPSK	1	24	18.28	18.36	18.32			
5	QPSK	12	0	18.26	18.32	18.28			
5	QPSK	12	7	18.23	18.33	18.30	20	0	
5	QPSK	12	13	18.19	18.34	18.27			
5	QPSK	25	0	18.26	18.28	18.19			
5	16QAM	1	0	18.34	18.35	18.32			
5	16QAM	1	12	18.20	18.33	18.22	20	0	
5	16QAM	1	24	18.30	18.42	18.34			
5	16QAM	12	0	18.25	18.34	18.22			
5	16QAM	12	7	18.29	18.26	18.24			
5	16QAM	12	13	18.14	18.26	18.21	20	0	
5	16QAM	25	0	18.39	18.37	18.33			
5	64QAM	1	0	18.19	18.38	18.31			
5	64QAM	1	12	18.25	18.36	18.30			
5	64QAM	1	24	18.28	18.25	18.23	20	0	
5	64QAM	12	0	18.19	18.31	18.24			
5	64QAM	12	7	18.32	18.41	18.23			
5	64QAM	12	13	18.17	18.29	18.31			
5	64QAM	25	0	18.21	18.33	18.22			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150	22	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.63	20.74	20.58		
20	QPSK	1	49	20.52	20.64	20.53	22	0
20	QPSK	1	99	20.69	20.65	20.60		
20	QPSK	50	0	20.60	20.71	20.60		
20	QPSK	50	24	20.59	20.69	20.61	22	0
20	QPSK	50	50	20.59	20.65	20.55		
20	QPSK	100	0	20.62	20.66	20.57		
20	16QAM	1	0	20.53	20.58	20.59	22	0
20	16QAM	1	49	20.57	20.67	20.60		
20	16QAM	1	99	20.54	20.60	20.66		
20	16QAM	50	0	20.45	20.51	20.46	22	0
20	16QAM	50	24	20.53	20.54	20.47		
20	16QAM	50	50	20.40	20.43	20.41		
20	16QAM	100	0	20.46	20.49	20.40	22	0
20	64QAM	1	0	20.22	20.30	20.31		
20	64QAM	1	49	20.34	20.23	20.19		
20	64QAM	1	99	20.20	20.23	20.17	21	1
20	64QAM	50	0	19.48	19.55	19.49		
20	64QAM	50	24	19.50	19.51	19.51		
20	64QAM	50	50	19.36	19.45	19.39	21	1
20	64QAM	100	0	19.45	19.55	19.38		
Channel				37825	38000	38175		
Frequency (MHz)				2577.5	2595	2612.5	22	0
15	QPSK	1	0	20.53	20.68	20.54		
15	QPSK	1	37	20.44	20.60	20.44	22	0
15	QPSK	1	74	20.54	20.56	20.49		
15	QPSK	36	0	20.54	20.68	20.53	22	0
15	QPSK	36	20	20.52	20.61	20.53		
15	QPSK	36	39	20.48	20.58	20.50		
15	QPSK	75	0	20.54	20.54	20.52	22	0
15	16QAM	1	0	20.49	20.54	20.54		
15	16QAM	1	37	20.44	20.58	20.53		
15	16QAM	1	74	20.43	20.51	20.54	22	0
15	16QAM	36	0	20.31	20.46	20.37		
15	16QAM	36	20	20.45	20.44	20.41		
15	16QAM	36	39	20.32	20.36	20.30	22	0
15	16QAM	75	0	20.32	20.43	20.35		
15	64QAM	1	0	20.18	20.24	20.21		
15	64QAM	1	37	20.21	20.10	20.10	22	0
15	64QAM	1	74	20.08	20.16	20.05		
15	64QAM	36	0	19.35	19.49	19.41		
15	64QAM	36	20	19.46	19.36	19.47	21	1
15	64QAM	36	39	19.32	19.38	19.33		
15	64QAM	75	0	19.35	19.47	19.26		
Channel				37800	38000	38200	22	0
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.52	20.70	20.54		
10	QPSK	1	25	20.41	20.53	20.47	22	0
10	QPSK	1	49	20.54	20.60	20.55		
10	QPSK	25	0	20.57	20.64	20.55	22	0
10	QPSK	25	12	20.44	20.57	20.57		
10	QPSK	25	25	20.48	20.56	20.46		
10	QPSK	50	0	20.58	20.55	20.51	22	0
10	16QAM	1	0	20.46	20.49	20.51		
10	16QAM	1	25	20.44	20.52	20.49		
10	16QAM	1	49	20.43	20.52	20.62	22	0
10	16QAM	25	0	20.34	20.45	20.34		
10	16QAM	25	12	20.47	20.46	20.33		
10	16QAM	25	25	20.34	20.38	20.35	22	0
10	16QAM	50	0	20.38	20.41	20.34		
10	64QAM	1	0	20.11	20.20	20.28		
10	64QAM	1	25	20.29	20.16	20.07	22	0
10	64QAM	1	49	20.10	20.11	20.13		
10	64QAM	25	0	19.34	19.42	19.36		
10	64QAM	25	12	19.42	19.38	19.47	21	1
10	64QAM	25	25	19.26	19.33	19.28		
10	64QAM	50	0	19.36	19.43	19.34		
Channel				37775	38000	38225	22	0
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.58	20.65	20.48		
5	QPSK	1	12	20.42	20.57	20.48	22	0
5	QPSK	1	24	20.57	20.56	20.57		
5	QPSK	12	0	20.46	20.67	20.54	22	0
5	QPSK	12	7	20.45	20.55	20.52		
5	QPSK	12	13	20.55	20.58	20.43		
5	QPSK	25	0	20.54	20.51	20.43	22	0
5	16QAM	1	0	20.39	20.44	20.50		
5	16QAM	1	12	20.51	20.59	20.55		
5	16QAM	1	24	20.45	20.46	20.54	22	0
5	16QAM	12	0	20.31	20.43	20.34		
5	16QAM	12	7	20.38	20.48	20.40		
5	16QAM	12	13	20.34	20.37	20.37	22	0
5	16QAM	25	0	20.43	20.45	20.27		
5	64QAM	1	0	20.16	20.16	20.20		
5	64QAM	1	12	20.21	20.15	20.13	22	0
5	64QAM	1	24	20.17	20.18	20.04		
5	64QAM	12	0	19.38	19.41	19.39		
5	64QAM	12	7	19.42	19.38	19.45	21	1
5	64QAM	12	13	19.24	19.31	19.31		
5	64QAM	25	0	19.40	19.41	19.31		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39790	40185	40620	41055	41490	22	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.47	20.38	20.78	20.50	20.59		
20	QPSK	1	49	20.49	20.53	20.64	20.52	20.58	22	0
20	QPSK	1	99	20.38	20.43	20.49	20.39	20.48		
20	QPSK	50	0	20.41	20.30	20.64	20.54	20.60		
20	QPSK	50	24	20.44	20.47	20.61	20.45	20.56	22	0
20	QPSK	50	50	20.36	20.39	20.54	20.44	20.40		
20	QPSK	100	0	20.44	20.29	20.52	20.36	20.47		
20	16QAM	1	0	20.45	20.52	20.47	20.45	20.40	22	0
20	16QAM	1	49	20.34	20.33	20.39	20.30	20.33		
20	16QAM	1	99	20.56	20.60	20.61	20.65	20.62		
20	16QAM	50	0	20.43	20.37	20.47	20.33	20.35	22	0
20	16QAM	50	24	20.42	20.56	20.53	20.44	20.55		
20	16QAM	50	50	20.36	20.48	20.49	20.37	20.40		
20	16QAM	100	0	20.36	20.47	20.44	20.37	20.35	22	0
20	64QAM	1	0	20.10	20.17	20.21	20.17	20.06		
20	64QAM	1	49	20.20	20.24	20.35	20.27	20.26		
20	64QAM	1	99	20.18	20.23	20.14	20.13	20.23	22	0
20	64QAM	50	0	19.29	19.46	19.39	19.35	19.31		
20	64QAM	50	24	19.44	19.45	19.46	19.51	19.27		
20	64QAM	50	50	19.41	19.37	19.43	19.41	19.41	21	1
20	64QAM	100	0	19.35	19.35	19.54	19.41	19.42		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	20.35	20.33	20.73	20.43	20.52	22.00	0
15	QPSK	1	37	20.42	20.46	20.59	20.41	20.55		
15	QPSK	1	74	20.34	20.35	20.41	20.34	20.41		
15	QPSK	36	0	20.26	20.26	20.50	20.43	20.55	22	0
15	QPSK	36	20	20.40	20.44	20.52	20.32	20.51		
15	QPSK	36	39	20.29	20.34	20.43	20.36	20.34		
15	QPSK	75	0	20.31	20.25	20.39	20.31	20.42	22	0
15	16QAM	1	0	20.34	20.49	20.41	20.32	20.28		
15	16QAM	1	37	20.21	20.21	20.28	20.16	20.22		
15	16QAM	1	74	20.45	20.52	20.52	20.52	20.49	22	0
15	16QAM	36	0	20.30	20.31	20.42	20.28	20.31		
15	16QAM	36	20	20.27	20.49	20.42	20.40	20.51		
15	16QAM	36	39	20.29	20.33	20.38	20.28	20.28	22	0
15	16QAM	75	0	20.31	20.42	20.30	20.24	20.22		
15	64QAM	1	0	20.12	20.04	20.11	20.04	20.18		
15	64QAM	1	37	20.12	20.13	20.28	20.19	20.20	22	0
15	64QAM	1	74	20.12	20.16	20.06	20.04	20.09		
15	64QAM	36	0	19.19	19.37	19.26	19.24	19.19		
15	64QAM	36	20	19.35	19.30	19.42	19.41	19.12	21	1
15	64QAM	36	39	19.30	19.33	19.31	19.31	19.28		
15	64QAM	75	0	19.26	19.29	19.41	19.32	19.30		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	22.00	0
10	QPSK	1	0	20.33	20.33	20.70	20.43	20.55		
10	QPSK	1	25	20.42	20.50	20.52	20.43	20.50		
10	QPSK	1	49	20.24	20.31	20.39	20.31	20.44	22	0
10	QPSK	25	0	20.31	20.18	20.53	20.41	20.56		
10	QPSK	25	12	20.32	20.41	20.52	20.36	20.46		
10	QPSK	25	25	20.30	20.31	20.41	20.31	20.26	22	0
10	QPSK	50	0	20.33	20.21	20.38	20.29	20.38		
10	16QAM	1	0	20.37	20.39	20.36	20.37	20.27		
10	16QAM	1	25	20.23	20.27	20.27	20.19	20.22	22	0
10	16QAM	1	49	20.44	20.55	20.53	20.52	20.53		
10	16QAM	25	0	20.36	20.28	20.43	20.16	20.31		
10	16QAM	25	12	20.33	20.50	20.40	20.35	20.51	22	0
10	16QAM	25	25	20.32	20.41	20.39	20.24	20.34		
10	16QAM	50	0	20.26	20.38	20.37	20.23	20.21		
10	64QAM	1	0	20.14	20.09	20.07	20.03	20.17	22	0
10	64QAM	1	25	20.14	20.10	20.23	20.14	20.18		
10	64QAM	1	49	20.11	20.19	20.06	20.08	20.11		
10	64QAM	25	0	19.21	19.33	19.33	19.24	19.20	21	1
10	64QAM	25	12	19.36	19.35	19.35	19.37	19.13		
10	64QAM	25	25	19.28	19.33	19.34	19.27	19.37		
10	64QAM	50	0	19.23	19.27	19.40	19.32	19.33	21	1
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.6	2593	2640.30	2687.5		
5	QPSK	1	0	20.34	20.32	20.65	20.37	20.55	22.00	0
5	QPSK	1	12	20.43	20.48	20.54	20.42	20.53		
5	QPSK	1	24	20.28	20.30	20.41	20.26	20.40		
5	QPSK	12	0	20.37	20.17	20.56	20.41	20.48	22	0
5	QPSK	12	7	20.41	20.34	20.48	20.31	20.45		
5	QPSK	12	13	20.23	20.26	20.47	20.40	20.30		
5	QPSK	25	0	20.34	20.19	20.47	20.27	20.35	22	0
5	16QAM	1	0	20.36	20.42	20.33	20.34	20.35		
5	16QAM	1	12	20.29	20.19	20.29	20.20	20.29		
5	16QAM	1	24	20.43	20.54	20.46	20.53	20.54	22	0
5	16QAM	12	0	20.33	20.26	20.44	20.18	20.32		
5	16QAM	12	7	20.31	20.43	20.41	20.30	20.48		
5	16QAM	12	13	20.33	20.37	20.39	20.22	20.30	22	0
5	16QAM	25	0	20.29	20.40	20.35	20.22	20.25		
5	64QAM	1	0	20.06	20.10	20.12	20.03	20.14		
5	64QAM	1	12	20.17	20.18	20.23	20.20	20.15	22	0
5	64QAM	1	24	20.13	20.09	20.09	20.03	20.09		
5	64QAM	12	0	19.21	19.42	19.29	19.25	19.21		
5	64QAM	12	7	19.40	19.32	19.34	19.39	19.22	21	1
5	64QAM	12	13	19.32	19.32	19.40	19.29	19.26		
5	64QAM	25	0	19.30	19.28	19.47	19.31	19.31		

Reduced Power Mode for DSI 6

GSM850 DSI6 Ant0								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.33	32.35	32.26	33.50	23.33	23.35	23.26	24.50
GPRS 1 Tx slots	32.26	32.29	32.19	33.50	23.26	23.29	23.19	24.50
GPRS 2 Tx slots	29.72	29.62	29.64	31.00	23.72	23.62	23.64	25.00
GPRS 3 Tx slots	27.88	27.63	27.56	29.00	23.62	23.37	23.30	24.74
GPRS 4 Tx slots	25.85	25.99	25.91	27.00	22.85	22.99	22.91	24.00
EDGE 1 Tx slot	25.70	25.74	25.57	27.50	16.70	16.74	16.57	18.50
EDGE 2 Tx slots	23.86	23.94	23.84	25.50	17.86	17.94	17.84	19.50
EDGE 3 Tx slots	22.13	22.21	21.89	23.50	17.87	17.95	17.63	19.24
EDGE 4 Tx slots	20.15	20.33	20.13	21.50	17.15	17.33	17.13	18.50
GSM1900 DSI6 Ant0								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
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	19.46	19.69	19.50	21.00
GPRS 3 Tx slots	23.68	23.89	23.90	24.50	19.42	19.63	19.64	20.24
GPRS 4 Tx slots	21.94	22.05	21.93	23.00	18.94	19.05	18.93	20.00
EDGE 1 Tx slot	24.65	24.79	24.72	25.50	15.65	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
WCDMA II DSI6 Ant0								
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel	9262	9400	9538		4132	4182	4233	
Rx Channel	9662	9800	9938		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	19.97	19.96	19.89	21.50	22.69	22.75	22.63	24.00
3GPP Rel 99 RMC 12.2Kbps	20.10	20.15	19.99	21.50	22.80	22.84	22.72	24.00
3GPP Rel 6 HSDPA Subtest-1	19.17	19.11	18.97	20.50	21.94	22.00	21.77	23.00
3GPP Rel 6 HSDPA Subtest-2	19.20	19.29	19.28	20.50	21.73	21.76	21.99	23.00
3GPP Rel 6 HSDPA Subtest-3	18.27	18.51	18.53	20.00	21.11	21.30	21.28	22.50
3GPP Rel 6 HSDPA Subtest-4	18.39	18.43	18.29	20.00	21.20	21.31	21.27	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	19.04	19.06	18.91	20.50	21.68	21.68	21.80	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	18.99	18.82	18.98	20.50	21.66	21.56	21.85	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	18.43	18.34	18.47	20.00	20.91	21.17	21.23	22.50
3GPP Rel 8 DC-HSDPA Subtest-4	18.52	18.61	18.85	20.00	20.86	21.24	21.20	22.50
3GPP Rel 6 HSUPA Subtest-1	18.96	19.06	19.09	20.50	21.82	21.69	21.77	23.00
3GPP Rel 6 HSUPA Subtest-2	17.01	17.17	16.78	18.50	19.83	19.87	19.79	21.00
3GPP Rel 6 HSUPA Subtest-3	18.26	18.16	18.07	19.50	20.59	20.86	20.64	22.00
3GPP Rel 6 HSUPA Subtest-4	16.82	16.83	16.75	18.50	19.86	19.75	19.77	21.00
3GPP Rel 6 HSUPA Subtest-5	19.18	19.08	18.77	20.50	21.78	21.76	21.66	23.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	16.50	16.65	16.40	18.00	19.40	19.46	19.29	20.50

Band 2 DS16 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (MHz)	Power Middle Ch / Freq. (MHz)	Power High Ch / Freq. (MHz)	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.83	19.92	19.79	21.5	0	
20	QPSK	1	49	19.77	19.86	19.77			
20	QPSK	1	99	19.81	19.87	19.76			
20	QPSK	50	0	19.75	19.90	19.88	21.5	0	
20	QPSK	50	24	19.71	19.86	19.75			
20	QPSK	50	50	19.66	19.78	19.79			
20	QPSK	100	0	19.68	19.80	19.73	21.5	0	
20	16QAM	1	0	19.64	19.67	19.73			
20	16QAM	1	49	19.62	19.60	19.66			
20	16QAM	1	99	19.79	19.67	19.78	21.5	0	
20	16QAM	50	24	19.76	19.81	19.72			
20	16QAM	50	50	19.72	19.87	19.84			
20	16QAM	100	0	19.67	19.72	19.61	21	0.5	
20	64QAM	1	0	19.69	19.80	19.71			
20	64QAM	1	49	19.85	19.85	19.85			
20	64QAM	1	99	19.74	19.81	19.69	21	0.5	
20	64QAM	50	0	19.20	19.24	19.17			
20	64QAM	50	24	19.29	19.30	19.20			
20	64QAM	50	50	19.29	19.27	19.23	21	0.5	
20	64QAM	100	0	19.18	19.31	19.25			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.76	19.86	19.74	21.5	0	
15	QPSK	1	37	19.72	19.79	19.72			
15	QPSK	1	74	19.77	19.74	19.62			
15	QPSK	36	0	19.65	19.85	19.77	21.5	0	
15	QPSK	36	20	19.56	19.63	19.63			
15	QPSK	36	39	19.54	19.66	19.74			
15	QPSK	75	0	19.55	19.69	19.67	21	0.5	
15	16QAM	1	0	19.55	19.75	19.60			
15	16QAM	1	37	19.71	19.75	19.61			
15	16QAM	1	74	19.75	19.73	19.73	21	0.5	
15	16QAM	36	0	19.63	19.83	19.64			
15	16QAM	36	20	19.73	19.83	19.75			
15	16QAM	36	39	19.66	19.76	19.64	21	0.5	
15	16QAM	75	0	19.58	19.58	19.55			
15	64QAM	1	0	19.64	19.69	19.57			
15	64QAM	1	37	19.78	19.79	19.57	21	0.5	
15	64QAM	1	74	19.62	19.67	19.65			
15	64QAM	36	0	19.11	19.13	19.12			
15	64QAM	36	20	19.23	19.16	19.08	21	0.5	
15	64QAM	36	39	19.18	19.23	19.15			
15	64QAM	75	0	19.04	19.19	19.21			
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.76	19.80	19.68	21.5	0	
10	QPSK	1	25	19.73	19.82	19.72			
10	QPSK	1	49	19.70	19.84	19.64			
10	QPSK	25	0	19.65	19.83	19.75	21.5	0	
10	QPSK	25	12	19.60	19.82	19.71			
10	QPSK	25	25	19.52	19.85	19.72			
10	QPSK	50	0	19.62	19.67	19.65	21	0.5	
10	16QAM	1	0	19.59	19.72	19.64			
10	16QAM	1	25	19.74	19.74	19.53			
10	16QAM	1	49	19.75	19.79	19.74	21	0.5	
10	16QAM	25	0	19.64	19.83	19.68			
10	16QAM	25	12	19.74	19.82	19.76			
10	16QAM	25	25	19.59	19.75	19.61	21	0.5	
10	16QAM	50	0	19.53	19.63	19.55			
10	64QAM	1	0	19.64	19.69	19.57			
10	64QAM	1	25	19.70	19.71	19.59	21	0.5	
10	64QAM	1	49	19.69	19.77	19.65			
10	64QAM	25	0	19.11	19.21	19.11			
10	64QAM	25	12	19.23	19.18	19.15	21	0.5	
10	64QAM	25	25	19.17	19.12	19.08			
10	64QAM	50	0	19.06	19.20	19.17			
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.77	19.81	19.66	21.5	0	
5	QPSK	1	12	19.73	19.77	19.73			
5	QPSK	1	24	19.74	19.79	19.64			
5	QPSK	12	0	19.68	19.82	19.82	21.5	0	
5	QPSK	12	7	19.56	19.75	19.67			
5	QPSK	12	13	19.61	19.71	19.65			
5	QPSK	25	0	19.63	19.68	19.68	21.5	0	
5	16QAM	1	0	19.60	19.82	19.59			
5	16QAM	1	12	19.73	19.75	19.60			
5	16QAM	1	24	19.68	19.82	19.66	21.5	0	
5	16QAM	12	7	19.69	19.79	19.76			
5	16QAM	12	13	19.66	19.86	19.70			
5	16QAM	25	0	19.56	19.64	19.54	21	0.5	
5	64QAM	1	0	19.63	19.66	19.56			
5	64QAM	1	12	19.80	19.71	19.68			
5	64QAM	1	24	19.71	19.72	19.64	21	0.5	
5	64QAM	12	0	19.06	19.15	19.05			
5	64QAM	12	7	19.20	19.19	19.14			
5	64QAM	12	13	19.24	19.20	19.17	21	0.5	
5	64QAM	25	0	19.04	19.27	19.20			
Channel									
Frequency (MHz)									
3	QPSK	1	0	19.71	19.84	19.76	21.5	0	
3	QPSK	1	8	19.86	19.72	19.70			
3	QPSK	1	14	19.74	19.75	19.70			
3	QPSK	8	0	19.65	19.76	19.80	21.5	0	
3	QPSK	8	4	19.58	19.82	19.70			
3	QPSK	8	7	19.62	19.72	19.66			
3	QPSK	16	0	19.56	19.71	19.64	21.5	0	
3	16QAM	1	0	19.53	19.75	19.61			
3	16QAM	1	8	19.72	19.71	19.54			
3	16QAM	1	14	19.73	19.75	19.71	21.5	0	
3	16QAM	8	0	19.69	19.81	19.59			
3	16QAM	8	4	19.71	19.81	19.80			
3	16QAM	8	7	19.57	19.68	19.68	21.5	0	
3	16QAM	16	0	19.53	19.62	19.57			
3	64QAM	1	0	19.61	19.75	19.66			
3	64QAM	1	8	19.81	19.80	19.55	21	0.5	
3	64QAM	1	14	19.61	19.73	19.65			
3	64QAM	8	0	19.08	19.10	19.02			
3	64QAM	8	4	19.15	19.24	19.16	21	0.5	
3	64QAM	8	7	19.23	19.16	19.10			
3	64QAM	16	0	19.09	19.26	19.18			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	19.75	19.67	19.67	21.5	0	
1.4	QPSK	1	3	19.71	19.63	19.69			
1.4	QPSK	1	5	19.70	19.78	19.63			
1.4	QPSK	3	0	19.71	19.86	19.82	21.5	0	
1.4	QPSK	3	1	19.66	19.79	19.65			
1.4	QPSK	3	3	19.62	19.64	19.64			
1.4	QPSK	6	0	19.56	19.66	19.59	21.5	0	
1.4	16QAM	1	0	19.59	19.78	19.60			
1.4	16QAM	1	3	19.72	19.73	19.56			
1.4	16QAM	1	5	19.73	19.82	19.75	21.5	0	
1.4	16QAM	3	0	19.68	19.79	19.62			
1.4	16QAM	3	1	19.68	19.79	19.78			
1.4	16QAM	3	3	19.60	19.68	19.68	21.5	0	
1.4	16QAM	6	0	19.53	19.61	19.56			
1.4	64QAM	1	0	19.58	19.71	19.59			
1.4	64QAM	1	3	19.74	19.72	19.57	21.5	0	
1.4	64QAM	1	5	19.69	19.68	19.65			
1.4	64QAM	3	0	19.60	19.67	19.58			
1.4	64QAM	3	1	19.74	19.76	19.56	21	0.5	
1.4	64QAM	3	3	19.75	19.73	19.61			
1.4	64QAM	6	0	19.08	19.17	19.16			

Band 5 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F. 20450	Power Middle Ch./F. 20500	Power High Ch./F. 20550	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.50	22.53	22.43			
10	QPSK	1	25	22.40	22.51	22.48	24	0	
10	QPSK	1	49	22.41	22.48	22.38			
10	QPSK	25	0	21.42	21.52	21.42			
10	QPSK	25	12	21.36	21.54	21.41	23	1	
10	QPSK	25	25	21.40	21.43	21.33			
10	QPSK	50	0	21.37	21.49	21.40			
10	16QAM	1	0	21.46	21.60	21.49	23	1	
10	16QAM	1	25	21.46	21.60	21.51			
10	16QAM	1	49	21.60	21.62	21.53			
10	16QAM	25	0	20.42	20.49	20.42			
10	16QAM	25	12	20.42	20.42	20.41			
10	16QAM	25	25	20.48	20.59	20.51			
10	16QAM	50	0	20.51	20.54	20.38			
10	64QAM	1	0	20.53	20.66	20.57			
10	64QAM	1	25	20.54	20.66	20.57	22	2	
10	64QAM	1	49	20.44	20.60	20.55			
10	64QAM	25	0	19.37	19.49	19.44			
10	64QAM	25	12	18.60	19.57	19.54	21	3	
10	64QAM	25	25	19.42	19.56	19.42			
10	64QAM	50	0	19.43	19.44	19.32			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.39	22.49	22.29			
5	QPSK	1	12	22.34	22.43	22.41	24	0	
5	QPSK	12	0	21.27	21.48	21.38			
5	QPSK	12	7	21.26	21.33	21.32	23	1	
5	QPSK	12	13	21.33	21.32	21.25			
5	QPSK	25	0	21.31	21.35	21.27			
5	16QAM	1	0	21.43	21.51	21.44	23	1	
5	16QAM	1	12	21.33	21.46	21.47			
5	16QAM	1	25	21.50	21.59	21.41			
5	16QAM	12	0	20.42	20.49	20.23			
5	16QAM	12	7	20.34	20.28	20.27			
5	16QAM	12	13	20.40	20.53	20.39			
5	16QAM	25	0	20.39	20.45	20.32			
5	64QAM	1	0	20.44	20.62	20.53			
5	64QAM	1	12	20.44	20.44	20.27	22	2	
5	64QAM	1	24	20.38	20.47	20.50			
5	64QAM	12	0	19.31	19.39	19.40			
5	64QAM	12	7	18.56	19.51	19.47	21	3	
5	64QAM	12	13	19.38	19.47	19.38			
5	64QAM	25	0	19.37	19.39	19.20			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.47	22.48	22.35			
3	QPSK	1	8	22.31	22.37	22.36	24	0	
3	QPSK	8	0	21.35	21.48	21.28			
3	QPSK	8	4	21.30	21.33	21.34	23	1	
3	QPSK	8	7	21.29	21.32	21.26			
3	QPSK	8	13	21.31	21.40	21.38			
3	16QAM	1	0	21.37	21.48	21.39	23	1	
3	16QAM	1	8	21.41	21.47	21.44			
3	16QAM	1	16	21.47	21.57	21.46			
3	16QAM	8	0	20.36	20.41	20.31			
3	16QAM	8	4	20.36	20.31	20.36			
3	16QAM	8	7	20.36	20.52	20.28			
3	16QAM	15	0	20.41	20.41	20.28			
3	64QAM	1	0	20.48	20.51	20.49			
3	64QAM	8	0	20.34	20.45	20.45	22	2	
3	64QAM	1	14	20.41	20.49	20.41			
3	64QAM	8	0	19.32	19.42	19.30			
3	64QAM	8	4	18.49	19.43	19.44	21	3	
3	64QAM	8	7	19.37	19.50	19.36			
3	64QAM	15	0	19.32	19.40	19.24			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.46	22.48	22.29			
1.4	QPSK	1	3	22.31	22.37	22.36	24	0	
1.4	QPSK	3	0	22.33	22.43	22.30			
1.4	QPSK	3	1	22.33	22.34	22.37			
1.4	QPSK	3	3	22.26	22.35	22.22			
1.4	QPSK	3	12	21.41	21.41	21.37	23	1	
1.4	16QAM	1	0	21.42	21.49	21.37			
1.4	16QAM	1	3	21.33	21.55	21.37			
1.4	16QAM	1	5	21.49	21.54	21.42	23	1	
1.4	16QAM	3	0	21.44	21.44	21.36			
1.4	16QAM	3	1	21.36	21.29	21.29			
1.4	16QAM	3	3	21.40	21.53	21.46			
1.4	16QAM	6	0	20.43	20.50	20.31	22	2	
1.4	64QAM	1	0	20.40	20.50	20.49			
1.4	64QAM	1	3	20.48	20.48	20.55			
1.4	64QAM	1	5	20.32	20.51	20.42			
1.4	64QAM	3	0	20.24	20.37	20.30	22	2	
1.4	64QAM	3	1	20.35	20.49	20.42			
1.4	64QAM	3	3	20.47	20.47	20.37			
1.4	64QAM	6	0	19.33	19.34	19.19	21	3	

Band 7 DSI6 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	18.37	18.50	18.43	20	0	
20	QPSK	1	49	18.31	18.40	18.28			
20	QPSK	1	99	18.33	18.45	18.41			
20	QPSK	50	0	18.37	18.47	18.35	20	0	
20	QPSK	50	24	18.33	18.42	18.35			
20	QPSK	50	50	18.27	18.41	18.34			
20	QPSK	100	0	18.32	18.39	18.29	20	0	
20	16QAM	1	0	18.39	18.42	18.36			
20	16QAM	1	49	18.29	18.37	18.27			
20	16QAM	1	99	18.41	18.45	18.39	20	0	
20	16QAM	50	0	18.34	18.39	18.26			
20	16QAM	50	24	18.32	18.41	18.37			
20	16QAM	50	50	18.24	18.37	18.33	20	0	
20	16QAM	100	0	18.43	18.47	18.37			
20	64QAM	1	0	18.33	18.42	18.38			
20	64QAM	1	49	18.29	18.40	18.36	20	0	
20	64QAM	1	99	18.35	18.39	18.31			
20	64QAM	50	0	18.26	18.37	18.27			
20	64QAM	50	24	18.38	18.45	18.35	20	0	
20	64QAM	50	50	18.32	18.43	18.35			
20	64QAM	100	0	18.27	18.37	18.30			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.33	18.39	18.29	20	0	
15	QPSK	1	37	18.17	18.27	18.13			
15	QPSK	1	74	18.19	18.41	18.38			
15	QPSK	36	0	18.31	18.42	18.21	20	0	
15	QPSK	36	20	18.20	18.32	18.23			
15	QPSK	36	39	18.15	18.32	18.23			
15	QPSK	75	0	18.20	18.32	18.20	20	0	
15	16QAM	1	0	18.36	18.35	18.25			
15	16QAM	1	37	18.21	18.33	18.18			
15	16QAM	1	74	18.28	18.32	18.28	20	0	
15	16QAM	36	0	18.21	18.26	18.15			
15	16QAM	36	20	18.21	18.29	18.22			
15	16QAM	36	39	18.12	18.25	18.27	20	0	
15	16QAM	75	0	18.39	18.42	18.32			
15	64QAM	1	0	18.26	18.33	18.31			
15	64QAM	1	37	18.16	18.32	18.25	20	0	
15	64QAM	1	74	18.22	18.30	18.25			
15	64QAM	36	0	18.23	18.32	18.13			
15	64QAM	36	20	18.35	18.41	18.27	20	0	
15	64QAM	36	39	18.19	18.33	18.22			
15	64QAM	75	0	18.14	18.25	18.22			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	18.34	18.42	18.31	20	0	
10	QPSK	1	25	18.18	18.28	18.25			
10	QPSK	1	49	18.24	18.34	18.37			
10	QPSK	25	0	18.26	18.33	18.23	20	0	
10	QPSK	25	12	18.26	18.27	18.20			
10	QPSK	25	25	18.20	18.33	18.27			
10	QPSK	50	0	18.21	18.32	18.24	20	0	
10	16QAM	1	0	18.26	18.31	18.25			
10	16QAM	1	25	18.21	18.34	18.21			
10	16QAM	1	49	18.32	18.40	18.24	20	0	
10	16QAM	25	0	18.23	18.27	18.22			
10	16QAM	25	12	18.18	18.32	18.24			
10	16QAM	25	25	18.19	18.32	18.25	20	0	
10	16QAM	50	0	18.36	18.40	18.32			
10	64QAM	1	0	18.26	18.36	18.29			
10	64QAM	1	25	18.16	18.34	18.32	20	0	
10	64QAM	1	49	18.22	18.26	18.17			
10	64QAM	25	0	18.12	18.32	18.20			
10	64QAM	25	12	18.29	18.34	18.23	20	0	
10	64QAM	25	25	18.25	18.34	18.28			
10	64QAM	50	0	18.14	18.33	18.27			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	18.25	18.44	18.39	20	0	
5	QPSK	1	12	18.26	18.36	18.24			
5	QPSK	1	24	18.28	18.36	18.32			
5	QPSK	12	0	18.26	18.32	18.28	20	0	
5	QPSK	12	7	18.23	18.33	18.30			
5	QPSK	12	13	18.19	18.34	18.27			
5	QPSK	25	0	18.26	18.28	18.19	20	0	
5	16QAM	1	0	18.34	18.35	18.32			
5	16QAM	1	12	18.20	18.33	18.22			
5	16QAM	1	24	18.30	18.42	18.34	20	0	
5	16QAM	12	0	18.25	18.34	18.22			
5	16QAM	12	7	18.29	18.26	18.24			
5	16QAM	12	13	18.14	18.26	18.21	20	0	
5	16QAM	25	0	18.39	18.37	18.33			
5	64QAM	1	0	18.19	18.38	18.31			
5	64QAM	1	12	18.25	18.36	18.30	20	0	
5	64QAM	1	24	18.28	18.25	18.23			
5	64QAM	12	0	18.19	18.31	18.24			
5	64QAM	12	7	18.32	18.41	18.23	20	0	
5	64QAM	12	13	18.17	18.29	18.31			
5	64QAM	25	0	18.21	18.33	18.22			

Band 38 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	22	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.54	20.75	20.58			
20	QPSK	1	49	20.48	20.59	20.48	22	1	
20	QPSK	1	99	20.40	20.44	20.37			
20	QPSK	50	0	20.46	20.66	20.49			
20	QPSK	50	24	20.50	20.59	20.55	22	1	
20	QPSK	50	50	20.38	20.50	20.58			
20	QPSK	100	0	20.45	20.62	20.59			
20	16QAM	1	0	20.52	20.66	20.59	22	1	
20	16QAM	1	49	20.62	20.68	20.63			
20	16QAM	1	99	20.51	20.59	20.54			
20	16QAM	50	0	20.43	20.50	20.50	22	2	
20	16QAM	50	24	20.51	20.61	20.46			
20	16QAM	50	50	20.45	20.49	20.45			
20	16QAM	100	0	20.44	20.51	20.40	22	2	
20	64QAM	1	0	20.36	20.30	20.32			
20	64QAM	1	49	20.41	20.29	20.35			
20	64QAM	1	99	20.26	20.37	20.29	21	3	
20	64QAM	50	0	19.50	19.60	19.59			
20	64QAM	50	24	19.50	19.54	19.52			
20	64QAM	50	50	19.42	19.51	19.43	21	3	
20	64QAM	100	0	19.49	19.52	19.49			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	22	0	
15	QPSK	1	0	20.58	20.70	20.58			
15	QPSK	1	37	20.55	20.51	20.42	22	1	
15	QPSK	1	74	20.36	20.45	20.34			
15	QPSK	36	0	20.44	20.60	20.44			
15	QPSK	36	20	20.57	20.60	20.48	22	1	
15	QPSK	36	39	20.37	20.53	20.53			
15	QPSK	75	0	20.50	20.74	20.64			
15	16QAM	1	0	20.58	20.64	20.65	22	1	
15	16QAM	1	37	20.61	20.62	20.57			
15	16QAM	1	74	20.44	20.52	20.56			
15	16QAM	36	0	20.42	20.55	20.52	22	2	
15	16QAM	36	20	20.51	20.68	20.47			
15	16QAM	36	39	20.51	20.48	20.46			
15	16QAM	75	0	20.45	20.56	20.44	22	2	
15	64QAM	1	0	20.39	20.22	20.28			
15	64QAM	1	37	20.44	20.23	20.38			
15	64QAM	1	74	20.32	20.43	20.25	21	3	
15	64QAM	36	0	19.53	19.64	19.58			
15	64QAM	36	20	19.56	19.52	19.46			
15	64QAM	36	39	19.36	19.50	19.38	21	3	
15	64QAM	75	0	19.44	19.52	19.42			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	22	0	
10	QPSK	1	0	20.52	20.67	20.54			
10	QPSK	1	25	20.50	20.62	20.49	22	1	
10	QPSK	1	49	20.34	20.33	20.35			
10	QPSK	25	0	20.49	20.60	20.40	22	1	
10	QPSK	25	12	20.45	20.53	20.60			
10	QPSK	25	25	20.36	20.44	20.50			
10	QPSK	50	0	20.45	20.63	20.59	22	1	
10	16QAM	1	0	20.55	20.68	20.54			
10	16QAM	1	25	20.64	20.67	20.55			
10	16QAM	1	49	20.51	20.55	20.48	22	2	
10	16QAM	25	0	20.40	20.47	20.49			
10	16QAM	25	12	20.43	20.58	20.38			
10	16QAM	25	25	20.43	20.40	20.39	22	2	
10	16QAM	50	0	20.47	20.48	20.31			
10	64QAM	1	0	20.30	20.33	20.36			
10	64QAM	1	25	20.42	20.29	20.30	21	3	
10	64QAM	1	49	20.24	20.39	20.32			
10	64QAM	25	0	19.49	19.57	19.57			
10	64QAM	25	12	19.45	19.59	19.47	21	3	
10	64QAM	25	25	19.36	19.45	19.47			
10	64QAM	50	0	19.46	19.45	19.43			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	22	0	
5	QPSK	1	0	20.55	20.63	20.50			
5	QPSK	1	12	20.49	20.54	20.46	22	1	
5	QPSK	1	24	20.34	20.40	20.37			
5	QPSK	12	0	20.40	20.57	20.43	22	1	
5	QPSK	12	7	20.53	20.62	20.50			
5	QPSK	12	13	20.42	20.52	20.52			
5	QPSK	25	0	20.42	20.73	20.58	22	1	
5	16QAM	1	0	20.47	20.59	20.63			
5	16QAM	1	12	20.61	20.64	20.54			
5	16QAM	1	24	20.50	20.51	20.48	22	2	
5	16QAM	12	0	20.34	20.45	20.41			
5	16QAM	12	7	20.52	20.55	20.50			
5	16QAM	12	13	20.48	20.50	20.43	22	2	
5	16QAM	25	0	20.37	20.50	20.38			
5	64QAM	1	0	20.35	20.28	20.36			
5	64QAM	1	12	20.37	20.30	20.33	22	2	
5	64QAM	1	24	20.21	20.35	20.19			
5	64QAM	12	0	19.48	19.62	19.49			
5	64QAM	12	7	19.48	19.49	19.45	21	3	
5	64QAM	12	13	19.34	19.44	19.41			
5	64QAM	25	0	19.49	19.49	19.42			

Band 41 Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	22	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.47	20.38	20.78	20.50	20.59	22	1
20	QPSK	1	49	20.49	20.53	20.64	20.52	20.58		
20	QPSK	1	99	20.38	20.43	20.49	20.39	20.48		
20	QPSK	50	0	20.41	20.30	20.64	20.54	20.60	22	1
20	QPSK	50	24	20.44	20.47	20.61	20.45	20.56		
20	QPSK	50	50	20.36	20.39	20.54	20.44	20.40		
20	QPSK	100	0	20.44	20.29	20.52	20.36	20.47	22	1
20	16QAM	1	0	20.45	20.52	20.47	20.45	20.40		
20	16QAM	1	49	20.34	20.33	20.39	20.30	20.33		
20	16QAM	1	99	20.56	20.60	20.61	20.65	20.62	22	2
20	16QAM	50	0	20.43	20.37	20.47	20.33	20.35		
20	16QAM	50	24	20.42	20.56	20.53	20.44	20.55		
20	16QAM	50	50	20.36	20.48	20.49	20.37	20.40	22	2
20	16QAM	100	0	20.36	20.47	20.44	20.37	20.35		
20	64QAM	1	0	20.10	20.17	20.21	20.17	20.06		
20	64QAM	1	49	20.20	20.24	20.35	20.27	20.26	22	2
20	64QAM	1	99	20.18	20.23	20.14	20.13	20.23		
20	64QAM	50	0	19.29	19.46	19.39	19.35	19.31		
20	64QAM	50	24	19.44	19.45	19.46	19.51	19.27	21	3
20	64QAM	50	50	19.41	19.37	19.43	19.41	19.41		
20	64QAM	100	0	19.35	19.35	19.54	19.41	19.42		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	22.00	0
15	QPSK	1	0	20.35	20.33	20.73	20.43	20.52		
15	QPSK	1	37	20.42	20.46	20.59	20.41	20.55		
15	QPSK	1	74	20.34	20.35	20.41	20.34	20.41	22	1
15	QPSK	36	0	20.26	20.26	20.50	20.43	20.55		
15	QPSK	36	20	20.40	20.44	20.52	20.32	20.51		
15	QPSK	36	39	20.29	20.34	20.43	20.36	20.34	22	1
15	QPSK	75	0	20.31	20.25	20.39	20.31	20.42		
15	16QAM	1	0	20.34	20.49	20.41	20.32	20.28		
15	16QAM	1	37	20.21	20.21	20.28	20.16	20.22	22	1
15	16QAM	1	74	20.45	20.52	20.52	20.52	20.49		
15	16QAM	36	0	20.30	20.31	20.42	20.28	20.31		
15	16QAM	36	20	20.27	20.49	20.42	20.40	20.51	22	2
15	16QAM	36	39	20.29	20.33	20.38	20.28	20.28		
15	16QAM	75	0	20.31	20.42	20.30	20.24	20.22		
15	64QAM	1	0	20.12	20.04	20.11	20.04	20.18	22	2
15	64QAM	1	37	20.12	20.13	20.28	20.19	20.20		
15	64QAM	1	74	20.12	20.16	20.06	20.04	20.09		
15	64QAM	36	0	19.19	19.37	19.26	19.24	19.19	21	3
15	64QAM	36	20	19.35	19.30	19.42	19.41	19.12		
15	64QAM	36	39	19.30	19.33	19.31	19.31	19.28		
15	64QAM	75	0	19.26	19.29	19.41	19.32	19.30	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	22.00	0
10	QPSK	1	0	20.33	20.33	20.70	20.43	20.55		
10	QPSK	1	25	20.42	20.50	20.52	20.43	20.50		
10	QPSK	1	49	20.24	20.31	20.39	20.31	20.44	22	1
10	QPSK	25	0	20.31	20.18	20.53	20.41	20.56		
10	QPSK	25	12	20.32	20.41	20.52	20.36	20.46		
10	QPSK	25	25	20.30	20.31	20.41	20.31	20.26	22	1
10	QPSK	50	0	20.33	20.21	20.38	20.29	20.38		
10	16QAM	1	0	20.37	20.39	20.36	20.37	20.27		
10	16QAM	1	25	20.23	20.27	20.27	20.19	20.22	22	1
10	16QAM	1	49	20.44	20.55	20.53	20.52	20.53		
10	16QAM	25	0	20.36	20.28	20.43	20.18	20.31		
10	16QAM	25	12	20.33	20.50	20.40	20.39	20.51	22	2
10	16QAM	25	25	20.32	20.41	20.39	20.24	20.34		
10	16QAM	50	0	20.26	20.38	20.37	20.23	20.21		
10	64QAM	1	0	20.14	20.09	20.07	20.03	20.17	22	2
10	64QAM	1	25	20.14	20.10	20.23	20.14	20.18		
10	64QAM	1	49	20.11	20.19	20.06	20.08	20.11		
10	64QAM	25	0	19.21	19.33	19.33	19.24	19.20	21	3
10	64QAM	25	12	19.36	19.35	19.35	19.37	19.13		
10	64QAM	25	25	19.28	19.33	19.34	19.27	19.37		
10	64QAM	50	0	19.23	19.27	19.40	19.32	19.33	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	22.00	0
5	QPSK	1	0	20.34	20.32	20.65	20.37	20.55		
5	QPSK	1	12	20.43	20.48	20.54	20.42	20.53		
5	QPSK	1	24	20.28	20.30	20.41	20.26	20.40	22	1
5	QPSK	12	0	20.37	20.17	20.56	20.41	20.48		
5	QPSK	12	7	20.41	20.34	20.48	20.31	20.45		
5	QPSK	12	13	20.23	20.26	20.47	20.40	20.30	22	1
5	QPSK	25	0	20.34	20.19	20.47	20.27	20.35		
5	16QAM	1	0	20.36	20.42	20.33	20.34	20.35		
5	16QAM	1	12	20.29	20.19	20.29	20.20	20.29	22	1
5	16QAM	1	24	20.43	20.54	20.46	20.53	20.54		
5	16QAM	12	0	20.33	20.26	20.44	20.18	20.32		
5	16QAM	12	7	20.31	20.43	20.41	20.30	20.48	22	2
5	16QAM	12	13	20.33	20.37	20.39	20.22	20.30		
5	16QAM	25	0	20.29	20.40	20.35	20.22	20.25		
5	64QAM	1	0	20.06	20.10	20.12	20.03	20.14	22	2
5	64QAM	1	12	20.17	20.18	20.23	20.20	20.15		
5	64QAM	1	24	20.13	20.09	20.09	20.03	20.09		
5	64QAM	12	0	19.21	19.42	19.29	19.25	19.21	21	3
5	64QAM	12	7	19.40	19.32	19.34	19.39	19.22		
5	64QAM	12	13	19.32	19.32	19.40	19.29	19.26		
5	64QAM	25	0	19.30	19.28	19.47	19.31	19.31		

Reduced Power Mode for DSI7

GSM850 DSI3&7									
Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel	128	180	251		128	180	251		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	30.94	31.07	30.89	32.00	21.94	22.07	21.89	23.00	
GPRS 1 Tx slot	30.83	31.03	30.83	32.00	21.83	22.03	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	20.69	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 DSI7									
Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel	512	661	810		512	661	810		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	23.79	23.91	23.86	25.50	14.79	14.91	14.86	16.50	
GPRS 1 Tx slot	23.73	23.86	23.78	25.50	14.73	14.86	14.78	16.50	
GPRS 2 Tx slots	21.67	21.86	21.73	23.00	15.67	15.86	15.73	17.00	
GPRS 3 Tx slots	19.68	19.85	19.66	20.50	15.42	15.59	15.40	16.24	
GPRS 4 Tx slots	17.46	17.82	17.75	19.00	14.46	14.82	14.75	16.00	
EDGE 1 Tx slot	20.22	20.40	20.20	21.50	11.22	11.40	11.20	12.50	
EDGE 2 Tx slots	17.33	17.46	17.32	18.50	11.33	11.46	11.32	12.50	
EDGE 3 Tx slots	16.17	16.41	16.29	17.50	11.91	12.15	12.03	13.24	
EDGE 4 Tx slots	14.05	14.36	14.22	15.50	11.05	11.36	11.22	12.50	
WCDMA II DSI7									
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		4132	4182	4233	
Rx Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	16.83	16.72	16.67	18.00	22.69	22.75	22.63	24.00
3GPP Rel 99	RMC 12.2Kbps	16.87	16.91	16.70	18.00	22.80	22.84	22.72	24.00
3GPP Rel 6	HSDPA Subtest-1	15.83	15.81	15.73	17.00	21.94	22.00	21.77	23.00
3GPP Rel 6	HSDPA Subtest-2	16.10	16.04	16.13	17.00	21.73	21.76	21.99	23.00
3GPP Rel 6	HSDPA Subtest-3	15.04	15.26	15.40	16.50	21.11	21.30	21.28	22.50
3GPP Rel 6	HSDPA Subtest-4	15.24	15.35	15.02	16.50	21.20	21.31	21.27	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	15.89	15.95	15.63	17.00	21.68	21.68	21.80	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	15.79	15.64	15.81	17.00	21.66	21.56	21.85	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	15.15	15.04	15.29	16.50	20.91	21.17	21.23	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	15.30	15.47	15.59	16.50	20.86	21.24	21.20	22.50
3GPP Rel 6	HSUPA Subtest-1	15.68	15.94	15.97	17.00	21.82	21.69	21.77	23.00
3GPP Rel 6	HSUPA Subtest-2	13.76	13.90	13.62	15.00	19.83	19.87	19.79	21.00
3GPP Rel 6	HSUPA Subtest-3	15.00	15.04	14.83	16.00	20.59	20.86	20.64	22.00
3GPP Rel 6	HSUPA Subtest-4	13.85	13.54	13.53	15.00	19.86	19.75	19.77	21.00
3GPP Rel 6	HSUPA Subtest-5	15.96	15.82	15.62	17.00	21.78	21.76	21.66	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.28	13.43	13.21	14.50	19.40	19.46	19.29	20.50



Band 2 DS17 Ant0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	15.84	15.88	15.73	17.5	0			
20	QPSK	1	49	15.65	15.77	15.65					
20	QPSK	1	99	15.75	15.84	15.75					
20	QPSK	50	0	15.73	15.82	15.76					
20	QPSK	50	24	15.69	15.79	15.74	17.5	0			
20	QPSK	50	50	15.74	15.78	15.68					
20	QPSK	100	0	15.78	15.81	15.76					
20	16QAM	1	0	15.72	15.82	15.70					
20	16QAM	1	49	15.69	15.80	15.74	17.5	0			
20	16QAM	1	99	15.70	15.81	15.68					
20	16QAM	50	0	15.73	15.85	15.74					
20	16QAM	50	24	15.62	15.75	15.71					
20	16QAM	50	50	15.81	15.86	15.77	17.5	0			
20	16QAM	100	0	15.68	15.76	15.70					
20	64QAM	1	0	15.74	15.84	15.69					
20	64QAM	1	49	15.74	15.80	15.71					
20	64QAM	1	99	15.64	15.75	15.69	17.5	0			
20	64QAM	50	0	15.62	15.76	15.73					
20	64QAM	50	24	15.68	15.79	15.68					
20	64QAM	50	50	15.68	15.81	15.77					
20	64QAM	100	0	15.76	15.83	15.75	17.5	0			
Channel				18675	18900	19125			Tune-up limit (dBm)		
Frequency (MHz)				1857.5	1880	1902.5			MPR (dB)		
15	QPSK	1	0	15.69	15.78	15.64	17.5	0			
15	QPSK	1	37	15.51	15.68	15.51					
15	QPSK	1	74	15.71	15.73	15.63					
15	QPSK	36	0	15.60	15.76	15.73					
15	QPSK	36	20	15.55	15.76	15.66	17.5	0			
15	QPSK	36	39	15.65	15.65	15.62					
15	QPSK	75	0	15.65	15.75	15.70					
15	16QAM	1	0	15.60	15.77	15.61					
15	16QAM	1	37	15.59	15.68	15.69	17.5	0			
15	16QAM	1	74	15.65	15.76	15.62					
15	16QAM	36	0	15.64	15.73	15.61					
15	16QAM	36	20	15.57	15.66	15.62					
15	16QAM	36	39	15.66	15.75	15.65	17.5	0			
15	16QAM	75	0	15.60	15.68	15.55					
15	64QAM	1	0	15.63	15.75	15.62					
15	64QAM	1	37	15.71	15.71	15.68					
15	64QAM	1	74	15.59	15.63	15.65	17.5	0			
15	64QAM	36	0	15.54	15.64	15.62					
15	64QAM	36	20	15.64	15.73	15.63					
15	64QAM	36	39	15.55	15.71	15.64					
15	64QAM	75	0	15.71	15.71	15.65	17.5	0			
Channel				18650	18900	19150			Tune-up limit (dBm)		
Frequency (MHz)				1855	1880	1905			MPR (dB)		
10	QPSK	1	0	15.74	15.78	15.63	17.5	0			
10	QPSK	1	25	15.59	15.67	15.57					
10	QPSK	1	49	15.63	15.75	15.71					
10	QPSK	25	0	15.58	15.69	15.67					
10	QPSK	25	12	15.65	15.69	15.59	17.5	0			
10	QPSK	25	25	15.68	15.66	15.54					
10	QPSK	50	0	15.68	15.67	15.72					
10	16QAM	1	0	15.69	15.73	15.56					
10	16QAM	1	25	15.56	15.71	15.65	17.5	0			
10	16QAM	1	49	15.66	15.72	15.58					
10	16QAM	25	0	15.61	15.74	15.62					
10	16QAM	25	12	15.55	15.70	15.66					
10	16QAM	25	25	15.73	15.76	15.62	17.5	0			
10	16QAM	50	0	15.60	15.65	15.62					
10	64QAM	1	0	15.60	15.78	15.60					
10	64QAM	1	25	15.61	15.66	15.67					
10	64QAM	1	49	15.51	15.71	15.60	17.5	0			
10	64QAM	25	0	15.59	15.72	15.63					
10	64QAM	25	12	15.60	15.69	15.57					
10	64QAM	25	25	15.61	15.68	15.64					
10	64QAM	50	0	15.72	15.76	15.69	17.5	0			
Channel				18625	18900	19115			Tune-up limit (dBm)		
Frequency (MHz)				1852.5	1880	1907.5			MPR (dB)		
5	QPSK	1	0	15.79	15.74	15.65	17.5	0			
5	QPSK	1	12	15.51	15.63	15.54					
5	QPSK	1	24	15.70	15.73	15.66					
5	QPSK	12	0	15.66	15.69	15.71					
5	QPSK	12	7	15.61	15.67	15.65	17.5	0			
5	QPSK	12	13	15.67	15.73	15.59					
5	QPSK	25	0	15.68	15.76	15.71					
5	16QAM	1	0	15.61	15.75	15.64					
5	16QAM	1	12	15.59	15.75	15.67	17.5	0			
5	16QAM	1	24	15.59	15.69	15.54					
5	16QAM	12	0	15.58	15.79	15.65					
5	16QAM	12	7	15.55	15.62	15.59					
5	16QAM	12	13	15.76	15.76	15.68	17.5	0			
5	16QAM	25	0	15.65	15.62	15.65					
5	64QAM	1	0	15.60	15.73	15.60					
5	64QAM	1	24	15.64	15.76	15.68					
5	64QAM	1	49	15.52	15.72	15.63	17.5	0			
5	64QAM	1	25	15.55	15.67	15.63					
5	64QAM	12	0	15.55	15.72	15.58					
5	64QAM	12	7	15.54	15.66	15.61					
5	64QAM	12	13	15.64	15.67	15.67	17.5	0			
5	64QAM	25	0	15.61	15.73	15.71					
Channel				18615	18900	19185			Tune-up limit (dBm)		
Frequency (MHz)				1851.5	1880	1906.5			MPR (dB)		
3	QPSK	1	0	15.78	15.83	15.61	17.5	0			
3	QPSK	1	8	15.57	15.69	15.52					
3	QPSK	1	14	15.65	15.76	15.64					
3	QPSK	8	0	15.64	15.78	15.69					
3	QPSK	8	4	15.60	15.71	15.64	17.5	0			
3	QPSK	8	7	15.63	15.68	15.60					
3	QPSK	15	0	15.71	15.72	15.69					
3	16QAM	1	0	15.68	15.78	15.58					
3	16QAM	1	8	15.62	15.71	15.69	17.5	0			
3	16QAM	1	14	15.60	15.67	15.63					
3	16QAM	8	0	15.62	15.71	15.70					
3	16QAM	8	4	15.53	15.59	15.61	17.5	0			
3	16QAM	8	7	15.74	15.75	15.71					
3	16QAM	15	0	15.54	15.73	15.67					
3	64QAM	1	0	15.65	15.80	15.55					
3	64QAM	1	8	15.67	15.68	15.56	17.5	0			
3	64QAM	1	14	15.54	15.60	15.64					
3	64QAM	8	0	15.55	15.69	15.61					
3	64QAM	8	4	15.56	15.65	15.64					
3	64QAM	8	7	15.57	15.69	15.71	17.5	0			
3	64QAM	15	0	15.63	15.75	15.64					
Channel				18507	18900	19193			Tune-up limit (dBm)		
Frequency (MHz)				1850.7	1880	1909.3	MPR (dB)				
1.4	QPSK	1	0	15.77	15.84	15.66	17.5	0			
1.4	QPSK	1	3	15.53	15.64	15.55					
1.4	QPSK	3	0	15.60	15.69	15.68					
1.4	QPSK	3	1	15.63	15.66	15.66					
1.4	QPSK	3	3	15.67	15.68	15.54	17.5	0			
1.4	QPSK	6	0	15.67	15.72	15.67					
1.4	16QAM	1	0	15.66	15.76	15.55					
1.4	16QAM	1	3	15.57	15.71	15.62					
1.4	16QAM	1	5	15.61	15.78	15.59	17.5	0			
1.4	16QAM	3	0	15.63	15.62	15.69					
1.4	16QAM	3	1	15.56	15.63	15.58					
1.4	16QAM	3	3	15.76	15.75	15.66					
1.4	QPSK	1	3	15.66	15.68	15.59	17.5	0			
1.4	QPSK	1	5	15.56	15.71	15.56					
1.4	64QAM	3	0	15.51	15.66	15.58					
1.4	64QAM	3	1	15.64	15.70	15.65					
1.4	64QAM	3	3	15.67	15.75	15.72	17.5	0			
1.4	64QAM	6	0	15.72	15.76	15.61					

Band 7 DSI3&7 Ant1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20810	21100	21350	20	0			
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	18.37	18.50	18.43	20	0			
20	QPSK	1	49	18.31	18.40	18.28					
20	QPSK	1	99	18.33	18.45	18.41					
20	QPSK	50	0	18.37	18.47	18.35					
20	QPSK	50	24	18.33	18.42	18.35	20	0			
20	QPSK	50	50	18.27	18.41	18.34					
20	QPSK	100	0	18.32	18.39	18.29					
20	16QAM	1	0	18.39	18.42	18.36					
20	16QAM	1	49	18.29	18.37	18.27	20	0			
20	16QAM	1	99	18.41	18.45	18.39					
20	16QAM	50	0	18.34	18.39	18.26					
20	16QAM	50	24	18.32	18.41	18.37					
20	16QAM	50	50	18.24	18.37	18.33	20	0			
20	16QAM	100	0	18.43	18.47	18.37					
20	64QAM	1	0	18.33	18.42	18.38					
20	64QAM	1	49	18.29	18.40	18.36					
20	64QAM	1	99	18.35	18.39	18.31	20	0			
20	64QAM	50	0	18.26	18.37	18.27					
20	64QAM	50	24	18.38	18.45	18.35					
20	64QAM	50	50	18.32	18.43	18.35					
20	64QAM	100	0	18.27	18.37	18.30					
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	18.33	18.39	18.29	20	0			
15	QPSK	1	37	18.17	18.27	18.13					
15	QPSK	1	74	18.19	18.41	18.38					
15	QPSK	36	0	18.31	18.42	18.21					
15	QPSK	36	20	18.20	18.32	18.23	20	0			
15	QPSK	36	39	18.15	18.32	18.23					
15	QPSK	75	0	18.20	18.32	18.20					
15	16QAM	1	0	18.36	18.35	18.25					
15	16QAM	1	37	18.21	18.33	18.18	20	0			
15	16QAM	1	74	18.28	18.32	18.28					
15	16QAM	36	0	18.21	18.26	18.15					
15	16QAM	36	20	18.21	18.29	18.22					
15	16QAM	36	39	18.12	18.25	18.27	20	0			
15	16QAM	75	0	18.39	18.42	18.32					
15	64QAM	1	0	18.26	18.33	18.31					
15	64QAM	1	37	18.16	18.32	18.25					
15	64QAM	1	74	18.22	18.30	18.25	20	0			
15	64QAM	36	0	18.23	18.32	18.13					
15	64QAM	36	20	18.35	18.41	18.27					
15	64QAM	36	39	18.19	18.33	18.22					
15	64QAM	75	0	18.14	18.25	18.22					
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	18.34	18.42	18.31	20	0			
10	QPSK	1	25	18.18	18.28	18.25					
10	QPSK	1	49	18.24	18.34	18.37					
10	QPSK	25	0	18.26	18.33	18.23					
10	QPSK	25	12	18.26	18.27	18.20	20	0			
10	QPSK	25	25	18.20	18.33	18.27					
10	QPSK	50	0	18.21	18.32	18.24					
10	16QAM	1	0	18.26	18.31	18.25					
10	16QAM	1	25	18.21	18.34	18.21	20	0			
10	16QAM	1	49	18.32	18.40	18.24					
10	16QAM	25	0	18.23	18.27	18.22					
10	16QAM	25	12	18.18	18.32	18.24					
10	16QAM	25	25	18.19	18.32	18.25	20	0			
10	16QAM	50	0	18.36	18.40	18.32					
10	64QAM	1	0	18.26	18.36	18.29					
10	64QAM	1	25	18.16	18.34	18.32					
10	64QAM	1	49	18.22	18.26	18.17	20	0			
10	64QAM	25	0	18.12	18.32	18.20					
10	64QAM	25	12	18.29	18.34	18.23					
10	64QAM	25	25	18.25	18.34	18.28					
10	64QAM	50	0	18.14	18.33	18.27					
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	18.25	18.44	18.39	20	0			
5	QPSK	1	12	18.26	18.36	18.24					
5	QPSK	1	24	18.28	18.36	18.32					
5	QPSK	12	0	18.26	18.32	18.28					
5	QPSK	12	7	18.23	18.33	18.30	20	0			
5	QPSK	12	13	18.19	18.34	18.27					
5	QPSK	25	0	18.26	18.28	18.19					
5	16QAM	1	0	18.34	18.35	18.32					
5	16QAM	1	12	18.20	18.33	18.22	20	0			
5	16QAM	1	24	18.30	18.42	18.34					
5	16QAM	12	0	18.25	18.34	18.22					
5	16QAM	12	7	18.29	18.26	18.24					
5	16QAM	12	13	18.14	18.26	18.21	20	0			
5	16QAM	25	0	18.39	18.37	18.33					
5	64QAM	1	0	18.19	18.38	18.31					
5	64QAM	1	12	18.25	18.36	18.30					
5	64QAM	1	24	18.28	18.25	18.23	20	0			
5	64QAM	12	0	18.19	18.31	18.24					
5	64QAM	12	7	18.32	18.41	18.23					
5	64QAM	12	13	18.17	18.29	18.31					
5	64QAM	25	0	18.21	18.33	18.22					

Band 38 DSI3&7 Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.63	20.74	20.58	22	0		
20	QPSK	1	49	20.52	20.64	20.53				
20	QPSK	1	99	20.69	20.65	20.60				
20	QPSK	50	0	20.60	20.71	20.60				
20	QPSK	50	24	20.59	20.69	20.61	22	0		
20	QPSK	50	50	20.59	20.65	20.55				
20	QPSK	100	0	20.62	20.66	20.57				
20	16QAM	1	0	20.53	20.58	20.59				
20	16QAM	1	49	20.57	20.67	20.60	22	0		
20	16QAM	1	99	20.54	20.60	20.66				
20	16QAM	50	0	20.45	20.51	20.46				
20	16QAM	50	24	20.53	20.54	20.47				
20	16QAM	50	50	20.40	20.43	20.41	22	0		
20	16QAM	100	0	20.46	20.49	20.40				
20	64QAM	1	0	20.22	20.30	20.31				
20	64QAM	1	49	20.34	20.23	20.19				
20	64QAM	1	99	20.20	20.23	20.17	22	0		
20	64QAM	50	0	19.48	19.55	19.49				
20	64QAM	50	24	19.50	19.51	19.51				
20	64QAM	50	50	19.36	19.45	19.39				
20	64QAM	100	0	19.45	19.55	19.38	21	1		
Channel				37825	38000	38175			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	20.53	20.68	20.54			22	0
15	QPSK	1	37	20.44	20.60	20.44				
15	QPSK	1	74	20.54	20.56	20.49				
15	QPSK	36	0	20.54	20.68	20.53				
15	QPSK	36	20	20.52	20.61	20.53	22	0		
15	QPSK	36	39	20.48	20.58	20.50				
15	QPSK	75	0	20.54	20.54	20.52				
15	16QAM	1	0	20.49	20.54	20.54				
15	16QAM	1	37	20.44	20.58	20.53	22	0		
15	16QAM	1	74	20.43	20.51	20.54				
15	16QAM	36	0	20.31	20.46	20.37				
15	16QAM	36	20	20.45	20.44	20.41				
15	16QAM	36	39	20.32	20.36	20.30	22	0		
15	16QAM	75	0	20.32	20.43	20.35				
15	64QAM	1	0	20.18	20.24	20.21				
15	64QAM	1	37	20.21	20.10	20.10				
15	64QAM	1	74	20.08	20.16	20.05	22	0		
15	64QAM	36	0	19.35	19.49	19.41				
15	64QAM	36	20	19.46	19.36	19.47				
15	64QAM	36	39	19.32	19.38	19.33				
15	64QAM	75	0	19.35	19.47	19.26	21	1		
Channel				37800	38000	38200			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	20.52	20.70	20.54			22	0
10	QPSK	1	25	20.41	20.53	20.47				
10	QPSK	1	49	20.54	20.60	20.55				
10	QPSK	25	0	20.57	20.64	20.55				
10	QPSK	25	12	20.44	20.57	20.57	22	0		
10	QPSK	25	25	20.48	20.56	20.46				
10	QPSK	50	0	20.58	20.55	20.51				
10	16QAM	1	0	20.46	20.49	20.51				
10	16QAM	1	25	20.44	20.52	20.49	22	0		
10	16QAM	1	49	20.43	20.52	20.62				
10	16QAM	25	0	20.34	20.45	20.34				
10	16QAM	25	12	20.47	20.46	20.33				
10	16QAM	25	25	20.34	20.38	20.35	22	0		
10	16QAM	50	0	20.38	20.41	20.34				
10	64QAM	1	0	20.11	20.20	20.28				
10	64QAM	1	25	20.29	20.16	20.07				
10	64QAM	1	49	20.10	20.11	20.13	22	0		
10	64QAM	25	0	19.34	19.42	19.36				
10	64QAM	25	12	19.42	19.38	19.47				
10	64QAM	25	25	19.26	19.33	19.28				
10	64QAM	50	0	19.36	19.43	19.34	21	1		
Channel				37775	38000	38225			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	20.58	20.65	20.48			22	0
5	QPSK	1	12	20.42	20.57	20.48				
5	QPSK	1	24	20.57	20.56	20.57				
5	QPSK	12	0	20.46	20.67	20.54				
5	QPSK	12	7	20.45	20.55	20.52	22	0		
5	QPSK	12	13	20.55	20.58	20.43				
5	QPSK	25	0	20.54	20.51	20.43				
5	16QAM	1	0	20.39	20.44	20.50				
5	16QAM	1	12	20.51	20.59	20.55	22	0		
5	16QAM	1	24	20.45	20.46	20.54				
5	16QAM	12	0	20.31	20.43	20.34				
5	16QAM	12	7	20.38	20.48	20.40				
5	16QAM	12	13	20.34	20.37	20.37	22	0		
5	16QAM	25	0	20.43	20.45	20.27				
5	64QAM	1	0	20.16	20.16	20.20				
5	64QAM	1	12	20.21	20.15	20.13				
5	64QAM	1	24	20.17	20.18	20.04	22	0		
5	64QAM	12	0	19.38	19.41	19.39				
5	64QAM	12	7	19.42	19.38	19.45				
5	64QAM	12	13	19.24	19.31	19.31				
5	64QAM	25	0	19.40	19.41	19.31	21	1		

Band 41 DSI3&7 Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.47	20.38	20.78	20.50	20.59	22	0
20	QPSK	1	49	20.49	20.53	20.64	20.52	20.58		
20	QPSK	1	99	20.38	20.43	20.49	20.39	20.48		
20	QPSK	50	0	20.41	20.30	20.64	20.54	20.60		
20	QPSK	50	24	20.44	20.47	20.61	20.45	20.56	22	0
20	QPSK	50	50	20.36	20.39	20.54	20.44	20.40		
20	QPSK	100	0	20.44	20.29	20.52	20.36	20.47		
20	16QAM	1	0	20.45	20.52	20.47	20.45	20.40		
20	16QAM	1	49	20.34	20.33	20.39	20.30	20.33	22	0
20	16QAM	1	99	20.56	20.60	20.61	20.65	20.62		
20	16QAM	50	0	20.43	20.37	20.47	20.33	20.35		
20	16QAM	50	24	20.42	20.56	20.53	20.44	20.55		
20	16QAM	50	50	20.36	20.48	20.49	20.37	20.40	22	0
20	16QAM	100	0	20.36	20.47	20.44	20.37	20.35		
20	64QAM	1	0	20.10	20.17	20.21	20.17	20.06		
20	64QAM	1	49	20.20	20.24	20.35	20.27	20.26		
20	64QAM	1	99	20.18	20.23	20.14	20.13	20.23	22	0
20	64QAM	50	0	19.29	19.46	19.39	19.35	19.31		
20	64QAM	50	24	19.44	19.45	19.46	19.51	19.27		
20	64QAM	50	50	19.41	19.37	19.43	19.41	19.41		
20	64QAM	100	0	19.35	19.35	19.54	19.41	19.42	21	1
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.35	20.33	20.73	20.43	20.52	22,00	0
15	QPSK	1	37	20.42	20.46	20.59	20.41	20.55		
15	QPSK	1	74	20.34	20.35	20.41	20.34	20.41		
15	QPSK	36	0	20.26	20.26	20.50	20.43	20.55		
15	QPSK	36	20	20.40	20.44	20.52	20.32	20.51	22	0
15	QPSK	36	39	20.29	20.34	20.43	20.36	20.34		
15	QPSK	75	0	20.31	20.25	20.39	20.31	20.42		
15	16QAM	1	0	20.34	20.49	20.41	20.32	20.28		
15	16QAM	1	37	20.21	20.21	20.28	20.16	20.22	22	0
15	16QAM	1	74	20.45	20.52	20.52	20.52	20.49		
15	16QAM	36	0	20.30	20.31	20.42	20.28	20.31		
15	16QAM	36	20	20.27	20.49	20.42	20.40	20.51		
15	16QAM	36	39	20.29	20.33	20.38	20.28	20.28	22	0
15	16QAM	75	0	20.31	20.42	20.30	20.24	20.22		
15	64QAM	1	0	20.12	20.04	20.11	20.04	20.18		
15	64QAM	1	37	20.12	20.13	20.28	20.19	20.20		
15	64QAM	1	74	20.12	20.16	20.06	20.04	20.09	22	0
15	64QAM	36	0	19.19	19.37	19.26	19.24	19.19		
15	64QAM	36	20	19.35	19.30	19.42	19.41	19.12		
15	64QAM	36	39	19.30	19.33	19.31	19.31	19.28		
15	64QAM	75	0	19.26	19.29	19.41	19.32	19.30	21	1
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.33	20.33	20.70	20.43	20.55	22,00	0
10	QPSK	1	25	20.42	20.50	20.52	20.43	20.50		
10	QPSK	1	49	20.24	20.31	20.39	20.31	20.44		
10	QPSK	25	0	20.31	20.18	20.53	20.41	20.56		
10	QPSK	25	12	20.32	20.41	20.52	20.36	20.46	22	0
10	QPSK	25	25	20.30	20.31	20.41	20.31	20.26		
10	QPSK	50	0	20.33	20.21	20.38	20.29	20.38		
10	16QAM	1	0	20.37	20.39	20.36	20.37	20.27		
10	16QAM	1	25	20.23	20.27	20.27	20.19	20.22	22	0
10	16QAM	1	49	20.44	20.55	20.53	20.52	20.53		
10	16QAM	25	0	20.36	20.28	20.43	20.18	20.31		
10	16QAM	25	12	20.33	20.50	20.40	20.39	20.51		
10	16QAM	25	25	20.32	20.41	20.39	20.24	20.34	22	0
10	16QAM	50	0	20.26	20.38	20.37	20.23	20.21		
10	64QAM	1	0	20.14	20.09	20.07	20.03	20.17		
10	64QAM	1	25	20.14	20.10	20.23	20.14	20.18		
10	64QAM	1	49	20.11	20.19	20.06	20.08	20.11	22	0
10	64QAM	25	0	19.21	19.33	19.33	19.24	19.20		
10	64QAM	25	12	19.36	19.35	19.35	19.37	19.13		
10	64QAM	25	25	19.28	19.33	19.34	19.27	19.37		
10	64QAM	50	0	19.23	19.27	19.40	19.32	19.33	21	1
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.34	20.32	20.65	20.37	20.55	22,00	0
5	QPSK	1	12	20.43	20.48	20.54	20.42	20.53		
5	QPSK	1	24	20.28	20.30	20.41	20.26	20.40		
5	QPSK	12	0	20.37	20.17	20.56	20.41	20.48		
5	QPSK	12	7	20.41	20.34	20.48	20.31	20.45	22	0
5	QPSK	12	13	20.23	20.26	20.47	20.40	20.30		
5	QPSK	25	0	20.34	20.19	20.47	20.27	20.35		
5	16QAM	1	0	20.36	20.42	20.33	20.34	20.35		
5	16QAM	1	12	20.29	20.19	20.29	20.20	20.29	22	0
5	16QAM	1	24	20.43	20.54	20.46	20.53	20.54		
5	16QAM	12	0	20.33	20.26	20.44	20.18	20.32		
5	16QAM	12	7	20.31	20.43	20.41	20.30	20.48		
5	16QAM	12	13	20.33	20.37	20.39	20.22	20.30	22	0
5	16QAM	25	0	20.29	20.40	20.35	20.22	20.25		
5	64QAM	1	0	20.06	20.10	20.12	20.03	20.14		
5	64QAM	1	12	20.17	20.18	20.23	20.20	20.15		
5	64QAM	1	24	20.13	20.09	20.09	20.03	20.09	22	0
5	64QAM	12	0	19.21	19.42	19.29	19.25	19.21		
5	64QAM	12	7	19.40	19.32	19.34	19.39	19.22		
5	64QAM	12	13	19.32	19.32	19.40	19.29	19.26		
5	64QAM	25	0	19.30	19.28	19.47	19.31	19.31	21	1



Downlink CA Power

2CA DL

CA List	PCC								SCC				Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq.	Channel		RB	Offset	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)							(MHz)		(dBm)	(dBm)
CA_5A-7A	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	22.29	22.53
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	22.33	22.42
CA_7B	Band 7	Ant 1	15M	2535	21100	QPSK	1	0	Band 7	5M	2544	3193	22.35	22.42
CA_7C	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	Band 7	20M	2555	3298	22.39	22.42
CA_7A-7A	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	Band 7	5M	2688	3425	22.32	22.42
CA_38C	Band 38	Ant 1	20M	2580	37850	QPSK	1	0	Band 38	20M	2600	38048	22.54	22.61
CA_41C	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	Band 41	20M	2613	40818	22.52	22.66
CA_41A-41A	Band 41	Ant 1	20M	2593	40620	QPSK	1	0	Band 41	5M	2688	41565	22.60	22.66

WLAN/Bluetooth Power

2.4GHz WLAN Ant 4						Full Power/Head &Bodyworn &Hotspot&Extremity	
2.4GHz WLAN	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	18.06	19.50		
		10	2457	17.43	19.00		
		11	2462	14.64	16.00		
		1	2412	15.34	17.00		
	802.11n-HT20 MCS0	6	2437	17.55	19.00	97.30	
		10	2457	17.37	19.00		
		11	2462	13.60	15.00		
	802.11n-HT40 MCS0	3	2422	13.60	15.00	95.14	
		4	2427	14.06	15.50		
		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		Bodyworn		
5.2GHz WLAN	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	36	5180	16.54	18.00	Not Required	17.00	Not Required	17.00	16.50	16.50	97.46
		40	5200	17.88	19.50							
		44	5220	17.97	19.50							
		48	5240	17.81	19.50							
	802.11n-HT20 MCS0	36	5180	16.24	17.50					16.50	16.50	97.29
		40	5200	17.79	19.50							
		44	5220	17.76	19.50							
	802.11n-HT40 MCS0	48	5240	17.74	19.50					16.50	16.50	94.72
		38	5190	15.32	17.00	15.32	17.00	15.32	17.00			
	802.11ac-VHT20 MCS0	46	5230	16.84	18.50	Not Required	15.36	Not Required	15.36	16.50	16.50	97.31
		36	5180	16.30	18.00							
		40	5200	17.80	19.50							
		44	5220	17.77	19.50							
	802.11ac-VHT40 MCS0	48	5240	17.79	19.50					16.50	16.50	94.35
		38	5190	15.36	17.00							
		46	5230	16.87	18.50							
	802.11ac-VHT80 MCS0	42	5210	14.31	16.00					16.00	16.00	89.20

5.3GHz WLAN Ant 4						Full Power/Head&Extremity		Bodyworn		
5.3GHz WLAN	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	52	5280	17.88	19.50	Not Required	16.50	Not Required	16.50	97.46
		56	5280	17.87	19.50					
		60	5300	17.90	19.50					
		64	5320	16.85	18.50					
	802.11n-HT20 MCS0	52	5280	17.72	19.50			16.50	16.50	97.29
		56	5280	17.71	19.50					
		60	5300	17.73	19.50					
	802.11n-HT40 MCS0	64	5320	16.23	17.50			14.86	16.50	94.72
		54	5270	16.80	18.50	15.31	16.50			
	802.11ac-VHT20 MCS0	62	5310	14.86	16.50	Not Required	16.50	Not Required	16.50	97.31
		52	5280	17.75	19.50					
		56	5280	17.74	19.50					
		60	5300	17.80	19.50					
	802.11ac-VHT40 MCS0	64	5320	16.29	18.00			16.50	16.50	94.35
		54	5270	16.89	18.50					
		62	5310	14.92	16.50					
	802.11ac-VHT80 MCS0	58	5290	13.25	14.50			14.50	14.50	89.20

5.5GHz WLAN Ant 4				Full Power Extremity	Head		Bodyworn					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.86	19.50	Not Required	Not Required	16.50	17.50	97.46		
		116	5580	17.89	19.50			16.50	17.50			
		124	5620	17.91	19.50			16.50	17.50			
		132	5660	17.86	19.50			16.50	17.50			
		140	5700	16.80	18.50			16.50	17.50			
		144	5720	17.81	19.50			16.50	17.50			
	802.11n-HT20 MCS0	100	5900	17.69	19.50	Not Required	Not Required	16.50	17.50	97.29		
		116	5980	17.70	19.50			16.50	17.50			
		124	5920	17.67	19.50			16.50	17.50			
		132	5960	17.69	19.50			16.50	17.50			
		140	5700	16.14	17.50			16.50	17.50			
		144	5720	17.67	19.50			16.50	17.50			
	802.11n-HT40 MCS0	102	5510	15.89	17.50	Not Required	Not Required	16.50	17.50	94.72		
		110	5550	16.78	18.50			16.50	17.50			
		126	5630	16.77	18.50			16.50	17.50			
		134	5670	16.75	18.50			16.50	17.50			
		142	5710	16.76	18.50			16.50	17.50			
		100	5900	17.74	19.50			16.50	17.50			
	802.11ac-VHT20 MCS0	116	5980	17.76	19.50	Not Required	Not Required	16.50	17.50	97.31		
		124	5920	17.78	19.50			16.50	17.50			
		132	5960	17.73	19.50			16.50	17.50			
		140	5700	16.18	17.50			16.50	17.50			
		144	5720	17.68	19.50			16.50	17.50			
		102	5910	15.96	17.50			16.50	17.50			
802.11ac-VHT40 MCS0	110	5950	16.83	18.50	Not Required	Not Required	16.50	17.50	94.35			
	126	5930	16.81	18.50			16.50	17.50				
	134	5670	16.79	18.50			16.50	17.50				
	142	5710	16.81	18.50			16.50	17.50				
	106	5930	14.48	16.00			14.48	16.00		14.48	16.00	89.20
	122	5910	16.45	18.00			14.87	16.50		16.24	17.50	
802.11ac-VHT80 MCS0	138	5690	16.38	18.00	14.76	16.50	16.21	17.50				

5.8GHz WLAN Ant 4				Full Power Extremity		Head		Hotspot		Bodyworn		
5.8GHz WLAN	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	149	5745	17.83	19.50	Not Required	14.50	Not Required	14.50	15.50	16.50	97.46
		157	5785	17.82	19.50							
		165	5825	17.88	19.50							
	802.11n-HT20 MCS0	149	5745	17.72	19.50	Not Required	14.50	Not Required	14.50	15.50	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	14.50	15.50	16.50	94.72
	159	5795	16.76	18.50								
	149	5745	17.74	19.50								
802.11ac-VHT20 MCS0	157	5785	17.76	19.50	13.54	14.50	14.07	15.50	15.19	16.50	89.20	
	165	5825	17.77	19.50								
	151	5755	16.80	18.50								
802.11ac-VHT40 MCS0	159	5795	16.81	18.50	13.54	14.50	14.07	15.50	15.19	16.50	84.35	
	155	5775	16.38	18.00								

BR / EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.93	10.15	9.87
	CH 35	2441	12.15	9.97	9.53
	CH 75	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	2.56
Tune-up Limit			4.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	2.65
	CH 19	2440	2.46
	CH 39	2480	2.56
Tune-up Limit			4.00