



Full Power Mode for WWAN

GSM850 Full power&DS12													
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	848.8	24.50	824.2	836.4	848.8	24.50					
GSM 1 Tx slot	33.11	32.89	32.80	33.50	24.11	23.89	23.80	24.50					
GPRS 1 Tx slots	33.10	32.88	32.77	33.50	24.10	23.88	23.77	24.50					
GPRS 2 Tx slots	30.50	30.71	30.35	31.50	24.50	24.71	24.35	25.50					
GPRS 3 Tx slots	28.10	28.35	28.19	29.50	23.84	24.09	23.93	25.24					
GPRS 4 Tx slots	25.86	26.06	25.97	27.50	22.86	23.06	22.97	24.50					
EDGE 1 Tx slot	26.36	26.38	26.37	27.50	17.36	17.38	17.37	18.50					
EDGE 2 Tx slots	24.25	24.27	24.23	25.50	18.25	18.27	18.23	19.50					
EDGE 3 Tx slots	22.07	22.15	22.09	23.50	17.81	17.89	17.83	19.24					
EDGE 4 Tx slots	20.64	20.72	20.93	21.50	17.64	17.72	17.93	18.50					
GSM1900 Full power&DS12													
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	1880	1909.8	30.50	1850.2	1880	1909.8	21.50					
GSM 1 Tx slot	30.08	30.10	30.07	30.50	21.08	21.10	21.07	21.50					
GPRS 1 Tx slot	30.06	29.99	30.05	30.50	21.06	20.99	21.05	21.50					
GPRS 2 Tx slots	28.06	28.18	28.17	28.50	22.06	22.18	22.17	22.50					
GPRS 3 Tx slots	25.92	25.81	25.92	26.50	21.66	21.55	21.66	22.24					
GPRS 4 Tx slots	23.68	23.64	23.74	24.50	20.68	20.64	20.74	21.50					
EDGE 1 Tx slot	25.75	25.66	25.60	26.50	16.75	16.66	16.60	17.50					
EDGE 2 Tx slots	23.57	23.41	23.40	24.50	17.57	17.41	17.40	18.50					
EDGE 3 Tx slots	21.35	21.21	21.36	22.50	17.09	16.95	17.10	18.24					
EDGE 4 Tx slots	19.50	19.44	19.49	20.50	16.50	16.44	16.49	17.50					
WCDMA I Full power&DS12			WCDMA IV Full power&DS12			WCDMA V Full power&DS12							
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V				
Rx Channel	9282	9400	9538		1312	1413	1513		4132	4182	4233		
Frequency (MHz)	9682	9800	9938	1537	1638	1738	4357	4407	4458				
	1852.4	1880	1907.6	1712.4	1732.6	1752.6	836.4	838.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	23.48	23.50	23.47	24.00	22.88	23.10	23.05	24.00	23.20	23.23	23.13	24.00
3GPP Rel 99	RMC 12.2Kbps	23.50	23.51	23.49	24.00	22.88	23.11	23.07	24.00	23.21	23.26	23.15	24.00
3GPP Rel 6	HSDPA Subtest-1	22.56	22.50	22.54	23.00	22.11	22.03	22.13	23.00	22.08	22.14	22.18	23.00
3GPP Rel 6	HSDPA Subtest-2	22.49	22.54	22.40	23.00	21.85	22.11	21.79	23.00	22.05	22.29	22.34	23.00
3GPP Rel 6	HSDPA Subtest-3	21.93	22.02	21.86	22.50	21.65	21.62	21.44	22.50	21.78	21.54	21.55	22.50
3GPP Rel 6	HSDPA Subtest-4	21.81	21.80	21.84	22.50	21.48	21.72	21.28	22.50	21.36	21.58	21.63	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.62	22.64	22.51	23.00	22.14	21.94	22.07	23.00	22.39	22.13	22.35	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.50	22.55	22.39	23.00	21.81	22.10	21.85	23.00	22.34	22.34	22.33	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.63	21.95	21.55	22.50	21.60	21.55	21.39	22.50	21.83	21.64	21.45	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.80	22.08	21.70	22.50	21.56	21.88	21.54	22.50	21.47	21.77	21.53	22.50
3GPP Rel 6	HSPA Subtest-1	22.53	22.37	22.70	23.00	21.85	21.92	22.14	23.00	22.18	22.15	22.40	23.00
3GPP Rel 6	HSPA Subtest-2	20.69	20.76	20.46	21.00	19.94	19.80	19.74	21.00	20.14	20.23	20.35	21.00
3GPP Rel 6	HSPA Subtest-3	21.53	21.79	21.69	22.00	20.96	21.25	21.02	22.00	21.23	21.21	20.85	22.00
3GPP Rel 6	HSPA Subtest-4	20.23	20.30	20.21	21.00	19.88	19.71	19.83	21.00	19.90	20.06	20.12	21.00
3GPP Rel 6	HSPA Subtest-5	22.82	22.55	22.68	23.00	21.81	21.97	22.03	23.00	22.05	22.15	22.35	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.19	20.30	20.28	20.50	19.59	19.69	19.58	21.00	19.49	19.57	19.47	21.00



Band 2 -Ant 0 Full power&DSI2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
20	QPSK	1	0	22.52	22.54	22.51	24
20	QPSK	1	49	22.36	22.45	22.47	
20	QPSK	1	99	22.38	22.38	22.48	
20	QPSK	50	0	21.83	21.86	21.73	23
20	QPSK	50	24	21.70	21.82	21.71	
20	QPSK	50	50	21.85	21.72	21.75	
20	QPSK	100	0	21.68	21.79	21.73	23
20	16QAM	1	0	21.85	21.77	21.77	
20	16QAM	1	49	21.81	21.71	21.73	
20	16QAM	1	99	21.92	21.73	21.70	22
20	16QAM	50	0	20.64	20.78	20.80	
20	16QAM	50	24	20.75	20.85	20.71	
20	16QAM	50	50	20.65	20.68	20.67	22
20	16QAM	100	0	20.73	20.70	20.79	
20	64QAM	1	0	20.78	20.74	20.83	
20	64QAM	1	49	20.69	20.80	20.75	22
20	64QAM	1	99	20.65	20.66	20.74	
20	64QAM	50	0	19.71	19.75	19.77	
20	64QAM	50	24	19.71	19.74	19.64	21
20	64QAM	50	50	19.72	19.63	19.63	
20	64QAM	100	0	19.78	19.67	19.73	
Channel							
Frequency (MHz)							
15	QPSK	1	0	22.47	22.39	22.35	24
15	QPSK	1	37	22.28	22.34	22.42	
15	QPSK	1	74	22.25	22.36	22.30	
15	QPSK	36	0	21.81	21.59	21.70	23
15	QPSK	36	20	21.67	21.69	21.54	
15	QPSK	36	39	21.83	21.66	21.62	
15	QPSK	75	0	21.86	21.55	21.78	23
15	16QAM	1	0	21.76	21.58	21.68	
15	16QAM	1	37	21.78	21.57	21.62	
15	16QAM	1	74	21.73	21.69	21.62	22
15	16QAM	36	0	20.56	20.71	20.64	
15	16QAM	36	20	20.56	20.52	20.57	
15	16QAM	36	39	20.50	20.52	20.53	22
15	16QAM	75	0	20.68	20.53	20.74	
15	64QAM	1	0	20.59	20.70	20.73	
15	64QAM	1	37	20.61	20.65	20.63	22
15	64QAM	1	74	20.46	20.49	20.73	
15	64QAM	36	0	19.59	19.71	19.63	
15	64QAM	36	20	19.65	19.59	19.54	21
15	64QAM	36	39	19.68	19.48	19.72	
15	64QAM	75	0	19.76	19.50	19.55	
Channel							
Frequency (MHz)							
10	QPSK	1	0	22.37	22.39	22.35	24
10	QPSK	1	25	22.19	22.29	22.43	
10	QPSK	1	49	22.37	22.25	22.44	
10	QPSK	25	0	21.71	21.59	21.67	23
10	QPSK	25	12	21.53	21.79	21.67	
10	QPSK	25	25	21.72	21.66	21.69	
10	QPSK	50	0	21.76	21.54	21.71	23
10	16QAM	1	0	21.76	21.59	21.60	
10	16QAM	1	25	21.68	21.64	21.54	
10	16QAM	1	49	21.60	21.68	21.61	22
10	16QAM	25	0	20.52	20.64	20.64	
10	16QAM	25	12	20.63	20.48	20.52	
10	16QAM	25	25	20.53	20.60	20.63	22
10	16QAM	50	0	20.60	20.51	20.73	
10	64QAM	1	0	20.66	20.70	20.64	
10	64QAM	1	25	20.65	20.76	20.70	22
10	64QAM	1	49	20.54	20.52	20.64	
10	64QAM	25	0	19.62	19.63	19.71	
10	64QAM	25	12	19.58	19.57	19.51	21
10	64QAM	25	25	19.65	19.47	19.63	
10	64QAM	50	0	19.64	19.50	19.66	
Channel							
Frequency (MHz)							
5	QPSK	1	0	22.44	22.40	22.41	24
5	QPSK	1	12	22.32	22.26	22.42	
5	QPSK	1	24	22.29	22.38	22.31	
5	QPSK	12	0	21.78	21.67	21.64	23
5	QPSK	12	7	21.61	21.54	21.71	
5	QPSK	12	13	21.76	21.69	21.62	
5	QPSK	25	0	21.72	21.64	21.67	23
5	16QAM	1	0	21.67	21.72	21.72	
5	16QAM	1	12	21.80	21.67	21.59	
5	16QAM	1	24	21.62	21.54	21.52	22
5	16QAM	12	0	20.50	20.63	20.68	
5	16QAM	12	7	20.68	20.63	20.57	
5	16QAM	12	13	20.59	20.58	20.53	22
5	16QAM	25	0	20.69	20.54	20.73	
5	64QAM	1	0	20.62	20.70	20.74	
5	64QAM	1	12	20.60	20.66	20.72	22
5	64QAM	1	24	20.50	20.57	20.66	
5	64QAM	12	0	19.57	19.66	19.64	
5	64QAM	12	7	19.58	19.51	19.52	21
5	64QAM	12	13	19.54	19.60	19.64	
5	64QAM	25	0	19.64	19.58	19.65	
Channel							
Frequency (MHz)							
3	QPSK	1	0	22.36	22.37	22.48	24
3	QPSK	1	8	22.34	22.36	22.46	
3	QPSK	1	14	22.27	22.37	22.38	
3	QPSK	8	0	21.69	21.56	21.60	23
3	QPSK	8	4	21.56	21.75	21.66	
3	QPSK	8	7	21.83	21.72	21.65	
3	QPSK	15	0	21.85	21.66	21.64	23
3	16QAM	1	0	21.77	21.67	21.73	
3	16QAM	1	8	21.69	21.64	21.53	
3	16QAM	1	14	21.66	21.55	21.67	22
3	16QAM	8	0	20.53	20.72	20.71	
3	16QAM	8	4	20.74	20.47	20.58	
3	16QAM	8	7	20.46	20.64	20.65	22
3	16QAM	15	0	20.62	20.70	20.74	
3	64QAM	1	0	20.73	20.56	20.70	
3	64QAM	1	8	20.57	20.78	20.55	22
3	64QAM	1	14	20.58	20.53	20.72	
3	64QAM	8	0	19.68	19.60	19.65	
3	64QAM	8	4	19.63	19.62	19.48	21
3	64QAM	8	7	19.52	19.57	19.61	
3	64QAM	15	0	19.61	19.62	19.60	
Channel							
Frequency (MHz)							
1.4	QPSK	1	0	22.20	22.34	22.32	24
1.4	QPSK	1	3	22.27	22.31	22.33	
1.4	QPSK	1	6	22.29	22.21	22.30	
1.4	QPSK	3	0	22.25	22.23	22.35	23
1.4	QPSK	3	1	22.18	22.21	22.41	
1.4	QPSK	3	3	22.28	22.21	22.39	
1.4	QPSK	6	0	21.28	21.40	21.42	23
1.4	16QAM	1	0	21.27	21.40	21.44	
1.4	16QAM	1	3	21.29	21.46	21.42	
1.4	16QAM	1	5	21.34	21.38	21.41	23
1.4	16QAM	3	0	21.45	21.37	21.56	
1.4	16QAM	3	1	21.32	21.40	21.65	
1.4	16QAM	3	3	21.30	21.33	21.53	22
1.4	16QAM	6	0	20.43	20.37	20.47	
1.4	64QAM	1	0	20.35	20.46	20.40	
1.4	64QAM	1	3	20.38	20.40	20.49	22
1.4	64QAM	1	5	20.38	20.36	20.57	
1.4	64QAM	3	0	20.35	20.42	20.57	
1.4	64QAM	3	1	20.35	20.42	20.55	22
1.4	64QAM	3	3	20.46	20.37	20.47	
1.4	64QAM	6	0	19.40	19.40	19.47	

Band 4 -Ant 0 Full power&DSI2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
20	QPSK	1	0	22.57	22.52	22.61	24
20	QPSK	1	49	22.59	22.64	22.65	
20	QPSK	1	99	22.64	22.57	22.74	
20	QPSK	50	0	21.83	21.84	21.68	23
20	QPSK	50	24	21.68	21.69	21.66	
20	QPSK	50	50	21.73	21.68	21.68	
20	QPSK	100	0	21.74	21.79	21.73	23
20	16QAM	1	0	21.81	21.75	21.75	
20	16QAM	1	49	21.80	21.71	21.79	
20	16QAM	1	99	21.88	21.67	21.59	22
20	16QAM	50	0	20.65	20.68	20.83	
20	16QAM	50	24	20.67	20.73	20.76	
20	16QAM	50	50	20.72	20.67	20.75	22
20	16QAM	100	0	20.75	20.80	20.74	
20	64QAM	1	0	20.68	20.72	20.67	
20	64QAM	1	49	20.71	20.79	20.71	22
20	64QAM	1	99	20.74	20.71	20.83	
20	64QAM	50	0	19.66	19.71	19.71	
20	64QAM	50	24	19.64	19.84	19.69	21
20	64QAM	50	50	19.67	19.58	19.56	
20	64QAM	100	0	19.78	19.84	19.84	
Channel							
Frequency (MHz)							
15	QPSK	1	0	22.49	22.70	22.54	24
15	QPSK	1	37	22.58	22.53	22.58	
15	QPSK	1	74	22.45	22.46	22.59	
15	QPSK	36	0	21.77	21.62	21.61	23
15	QPSK	36	20	21.60	21.66	21.62	
15	QPSK	36	39	21.58	21.61	21.58	
15	QPSK	75	0	21.69	21.70		



Band 7-Ant 5 Full power&DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				20850	21100	21350			
Frequency (MHz)				2560	2535	2550			
20	QPSK	1	0	22.68	22.79	22.78			
20	QPSK	1	49	22.76	22.72	22.77		24	
20	QPSK	1	99	22.77	22.66	22.77			
20	QPSK	50	0	21.82	21.85	21.71			
20	QPSK	50	24	21.73	21.69	21.84		23	
20	QPSK	50	50	21.57	21.75	21.69			
20	QPSK	100	0	21.83	21.84	21.83			
20	16QAM	1	0	21.87	21.78	21.86			
20	16QAM	1	49	21.84	21.84	21.73		23	
20	16QAM	1	99	21.77	21.74	21.76			
20	16QAM	50	0	20.80	20.72	20.81			
20	16QAM	50	24	20.79	20.76	20.82			
20	16QAM	50	50	20.72	20.75	20.74		22	
20	16QAM	100	0	20.71	20.85	20.89			
20	64QAM	1	0	20.78	20.88	20.84			
20	64QAM	1	49	20.74	20.85	20.86		22	
20	64QAM	1	99	20.81	20.80	20.73			
20	64QAM	50	0	19.82	19.79	19.83			
20	64QAM	50	24	19.71	19.71	19.88			
20	64QAM	50	50	19.86	19.74	19.88		21	
20	64QAM	100	0	19.78	19.82	19.86			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.59	22.74	22.72		24	
15	QPSK	1	37	22.74	22.72	22.76			
15	QPSK	1	74	22.66	22.61	22.63			
15	QPSK	36	0	21.80	21.73	21.53			
15	QPSK	36	20	21.67	21.56	21.70		23	
15	QPSK	36	39	21.37	21.73	21.61			
15	QPSK	75	0	21.81	21.71	21.70			
15	16QAM	1	0	21.79	21.71	21.67		23	
15	16QAM	1	37	21.71	21.79	21.72			
15	16QAM	1	74	21.58	21.73	21.61			
15	16QAM	36	0	20.85	20.84	20.77			
15	16QAM	36	20	20.71	20.76	20.69		22	
15	16QAM	36	39	20.58	20.85	20.67			
15	16QAM	75	0	20.52	20.69	20.85			
15	64QAM	1	0	20.61	20.79	20.77			
15	64QAM	1	37	20.68	20.66	20.74		22	
15	64QAM	1	74	20.67	20.61	20.64			
15	64QAM	36	0	19.81	19.71	19.71			
15	64QAM	36	20	19.62	19.67	19.88		21	
15	64QAM	36	39	19.70	19.63	19.65			
15	64QAM	75	0	19.65	19.81	19.68			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.55	22.77	22.61		24	
10	QPSK	1	25	22.66	22.57	22.61			
10	QPSK	1	49	22.74	22.60	22.73			
10	QPSK	25	0	21.79	21.69	21.55			
10	QPSK	25	12	21.58	21.54	21.65		23	
10	QPSK	25	25	21.37	21.55	21.51			
10	QPSK	50	0	21.65	21.62	21.81			
10	16QAM	1	0	21.85	21.75	21.73			
10	16QAM	1	25	21.66	21.84	21.67		23	
10	16QAM	1	49	21.74	21.58	21.71			
10	16QAM	25	0	20.66	20.55	20.79			
10	16QAM	25	12	20.74	20.68	20.76		22	
10	16QAM	25	25	20.56	20.65	20.73			
10	16QAM	50	0	20.61	20.73	20.71			
10	64QAM	1	0	20.76	20.85	20.78			
10	64QAM	1	25	20.74	20.76	20.78		22	
10	64QAM	1	49	20.79	20.63	20.67			
10	64QAM	25	0	19.74	19.60	19.67			
10	64QAM	25	12	19.65	19.60	19.77		21	
10	64QAM	25	25	19.77	19.64	19.66			
10	64QAM	50	0	19.74	19.78	19.69			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.57	22.62	22.71		24	
5	QPSK	1	12	22.64	22.63	22.57			
5	QPSK	1	24	22.59	22.46	22.60			
5	QPSK	12	0	21.68	21.66	21.56			
5	QPSK	12	7	21.67	21.68	21.75		23	
5	QPSK	12	13	21.55	21.72	21.58			
5	QPSK	25	0	21.74	21.69	21.80			
5	16QAM	1	0	21.85	21.68	21.78			
5	16QAM	1	12	21.80	21.77	21.57		23	
5	16QAM	1	24	21.59	21.68	21.68			
5	16QAM	12	0	20.72	20.63	20.64			
5	16QAM	12	7	20.73	20.72	20.66		22	
5	16QAM	12	13	20.56	20.60	20.56			
5	16QAM	25	0	20.55	20.68	20.70			
5	64QAM	1	0	20.63	20.63	20.73			
5	64QAM	1	12	20.73	20.77	20.69		22	
5	64QAM	1	24	20.62	20.63	20.73			
5	64QAM	12	0	19.67	19.88	19.81			
5	64QAM	12	7	19.60	19.63	19.87		21	
5	64QAM	12	13	19.76	19.55	19.76			
5	64QAM	25	0	19.73	19.67	19.78			

Band 12 -Ant 0 Full power&DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				23060	23095	23130			
Frequency (MHz)				726	725	711			
10	QPSK	1	0	22.76	22.84	22.77			
10	QPSK	1	25	22.73	22.75	22.81		24	
10	QPSK	1	49	22.64	22.76	22.74			
10	QPSK	25	0	21.77	21.87	21.81			
10	QPSK	25	12	21.76	21.82	21.86		23	
10	QPSK	25	25	21.73	21.84	21.80			
10	QPSK	50	0	21.80	21.82	21.81			
10	16QAM	1	0	21.83	21.84	21.89			
10	16QAM	1	25	21.90	21.85	21.82		23	
10	16QAM	1	49	21.93	21.89	21.83			
10	16QAM	25	0	20.94	20.87	20.84			
10	16QAM	25	12	20.84	20.89	20.79			
10	16QAM	25	25	20.86	20.93	20.86		22	
10	16QAM	50	0	20.81	20.85	20.88			
10	64QAM	1	0	20.87	20.79	20.75			
10	64QAM	1	25	20.94	20.83	20.92		22	
10	64QAM	1	49	20.78	20.85	20.93			
10	64QAM	25	0	19.75	19.92	19.88			
10	64QAM	25	12	19.79	19.76	19.76		21	
10	64QAM	25	25	19.77	19.85	19.85			
10	64QAM	50	0	19.92	19.78	19.79			
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.67	22.65	22.57			
5	QPSK	1	12	22.67	22.70	22.72		24	
5	QPSK	1	24	22.62	22.76	22.65			
5	QPSK	12	0	21.74	21.75	21.75			
5	QPSK	12	7	21.66	21.63	21.73		23	
5	QPSK	12	13	21.62	21.71	21.62			
5	QPSK	25	0	21.68	21.66	21.79			
5	16QAM	1	0	21.76	21.74	21.82		23	
5	16QAM	1	12	21.77	21.80	21.62			
5	16QAM	1	24	21.89	21.85	21.80			
5	16QAM	12	0	20.88	20.68	20.75			
5	16QAM	12	7	20.74	20.70	20.65		22	
5	16QAM	12	13	20.80	20.87	20.85			
5	16QAM	25	0	20.62	20.69	20.80			
5	64QAM	1	0	20.80	20.63	20.65			
5	64QAM	1	12	20.75	20.83	20.80		22	
5	64QAM	1	24	20.66	20.80	20.79			
5	64QAM	12	0	19.55	19.77	19.75			
5	64QAM	12	7	19.72	19.69	19.58		21	
5	64QAM	12	13	19.75	19.70	19.78			
5	64QAM	25	0	19.90	19.78	19.76			
Channel				23025	23095	23165			
Frequency (MHz)				700					



Band 26 -Ant 0 Full power&DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				26765	26865	26965			
Frequency (MHz)				23.15	23.57	23.15			
15	QPSK	1	0	23.38	23.57	23.15	24		
15	QPSK	1	37	23.48	23.49	23.42			
15	QPSK	1	74	23.45	23.48	23.52			
15	QPSK	36	0	22.43	22.52	22.49			
15	QPSK	36	20	22.50	22.37	22.49			
15	QPSK	36	39	22.35	22.45	22.43	23		
15	QPSK	75	0	22.46	22.49	22.38			
15	16QAM	1	0	22.49	22.45	22.43			
15	16QAM	1	37	22.57	22.48	22.40	23		
15	16QAM	1	74	22.48	22.36	22.45			
15	16QAM	36	0	21.55	21.45	21.49			
15	16QAM	36	20	21.49	21.43	21.43			
15	16QAM	36	39	21.59	21.51	21.65	22		
15	16QAM	75	0	21.31	21.56	21.46			
15	64QAM	1	0	21.50	21.67	21.54			
15	64QAM	1	37	21.58	21.55	21.35	22		
15	64QAM	1	74	21.36	21.52	21.47			
15	64QAM	36	0	20.37	20.43	20.57			
15	64QAM	36	20	20.28	20.44	20.45	21		
15	64QAM	36	39	20.37	20.52	20.54			
15	64QAM	75	0	20.42	20.60	20.44			
Channel				26740	26865	26990			
Frequency (MHz)				23.15	23.57	23.15			
10	QPSK	1	0	23.35	23.45	23.39	24		
10	QPSK	1	25	23.41	23.47	23.31			
10	QPSK	1	49	23.32	23.32	23.37			
10	QPSK	25	0	22.37	22.29	22.43			
10	QPSK	25	12	22.46	22.20	22.40	23		
10	QPSK	25	25	22.35	22.26	22.41			
10	QPSK	50	0	22.38	22.34	22.33			
10	16QAM	1	0	22.32	22.30	22.27	23		
10	16QAM	1	25	22.42	22.40	22.39			
10	16QAM	1	49	22.42	22.25	22.35			
10	16QAM	25	0	21.41	21.27	21.43			
10	16QAM	25	12	21.42	21.25	21.25	22		
10	16QAM	25	25	21.52	21.47	21.50			
10	16QAM	50	0	21.30	21.38	21.42			
10	64QAM	1	0	21.32	21.66	21.40	22		
10	64QAM	1	25	21.56	21.46	21.45			
10	64QAM	1	49	21.18	21.42	21.45	21		
10	64QAM	25	0	20.33	20.27	20.49			
10	64QAM	25	12	20.20	20.33	20.28			
10	64QAM	25	25	20.32	20.51	20.44			
10	64QAM	50	0	20.33	20.55	20.28			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.27	23.51	23.47	24		
5	QPSK	1	12	23.34	23.33	23.41			
5	QPSK	1	24	23.45	23.31	23.37			
5	QPSK	12	0	22.26	22.31	22.40			
5	QPSK	12	7	22.31	22.27	22.35	23		
5	QPSK	12	13	22.25	22.39	22.34			
5	QPSK	25	0	22.33	22.22	22.36			
5	16QAM	1	0	22.33	22.35	22.30	23		
5	16QAM	1	12	22.41	22.40	22.23			
5	16QAM	1	24	22.35	22.25	22.36			
5	16QAM	12	0	21.54	21.28	21.46	22		
5	16QAM	12	7	21.40	21.37	21.28			
5	16QAM	12	13	21.56	21.32	21.55			
5	16QAM	25	0	21.21	21.53	21.41	21		
5	64QAM	1	0	21.40	21.48	21.38			
5	64QAM	1	12	21.44	21.50	21.34	22		
5	64QAM	1	24	21.30	21.44	21.29			
5	64QAM	12	0	20.28	20.41	20.50			
5	64QAM	12	7	20.26	20.32	20.38			
5	64QAM	12	13	20.18	20.36	20.53	21		
5	64QAM	25	0	20.31	20.42	20.28			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.30	23.50	23.34	24		
3	QPSK	1	8	23.35	23.33	23.33			
3	QPSK	1	14	23.30	23.31	23.49			
3	QPSK	8	0	22.26	22.44	22.43			
3	QPSK	8	4	22.36	22.23	22.38	23		
3	QPSK	8	7	22.34	22.27	22.33			
3	QPSK	15	0	22.38	22.38	22.26			
3	16QAM	1	0	22.48	22.36	22.43			
3	16QAM	1	8	22.44	22.38	22.31	23		
3	16QAM	1	14	22.32	22.25	22.38			
3	16QAM	8	0	21.39	21.44	21.40			
3	16QAM	8	4	21.41	21.43	21.37	22		
3	16QAM	8	7	21.45	21.42	21.46			
3	16QAM	15	0	21.31	21.39	21.36			
3	64QAM	1	0	21.35	21.49	21.47	22		
3	64QAM	1	8	21.39	21.51	21.18			
3	64QAM	1	14	21.19	21.39	21.46			
3	64QAM	8	0	20.34	20.28	20.47			
3	64QAM	8	4	20.15	20.27	20.27	21		
3	64QAM	8	7	20.21	20.38	20.44			
3	64QAM	15	0	20.36	20.59	20.30			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.16	23.36	23.30	24		
1.4	QPSK	1	3	23.30	23.14	23.24			
1.4	QPSK	1	5	23.10	23.22	23.48			
1.4	QPSK	3	0	23.16	23.40	23.16			
1.4	QPSK	3	1	23.19	23.48	23.16			
1.4	QPSK	3	3	23.27	23.29	23.22	23		
1.4	QPSK	6	0	22.35	22.48	22.29			
1.4	16QAM	1	0	22.36	22.32	22.27			
1.4	16QAM	1	3	22.20	22.27	22.42	23		
1.4	16QAM	1	5	22.23	22.42	22.26			
1.4	16QAM	3	0	22.24	22.41	22.35			
1.4	16QAM	3	1	22.36	22.27	22.42			
1.4	16QAM	3	3	22.30	22.38	22.41	22		
1.4	16QAM	6	0	21.36	21.56	21.33			
1.4	64QAM	1	0	21.37	21.41	21.27			
1.4	64QAM	1	3	21.28	21.39	21.43			
1.4	64QAM	1	5	21.32	21.53	21.25	22		
1.4	64QAM	3	0	21.37	21.50	21.43			
1.4	64QAM	3	1	21.35	21.40	21.42			
1.4	64QAM	3	3	21.24	21.24	21.40			
1.4	64QAM	6	0	20.28	20.40	20.43	21		

Band 66 -Ant 0 Full power&DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.82	22.81	22.71	24		
20	QPSK	1	49	22.63	22.80	22.80			
20	QPSK	1	99	22.65	22.70	22.73			
20	QPSK	50	0	21.91	21.94	21.71			
20	QPSK	50	24	21.76	21.72	21.78	23		
20	QPSK	50	50	21.91	21.83	21.71			
20	QPSK	100	0	21.85	21.86	21.78			
20	16QAM	1	0	21.99	21.93	21.85			
20	16QAM	1	49	21.94	21.78	21.96	23		
20	16QAM	1	99	21.83	21.83	21.89			
20	16QAM	50	0	20.70	20.78	20.83			
20	16QAM	50	24	20.84	20.88	20.82	22		
20	16QAM	50	50	20.86	20.72	20.79			
20	16QAM	100	0	20.83	20.95	20.81			
20	64QAM	1	0	20.74	20.76	20.80	22		
20	64QAM	1	49	20.81	20.94	20.85			
20	64QAM	1	99	20.90	20.76	20.91			
20	64QAM	50	0	19.70	19.73	19.84			
20	64QAM	50	24	19.95	19.96	19.88	21		
20	64QAM	50	50	19.77	19.84	19.74			
20	64QAM	100	0	19.87	19.98	19.85			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.46	22.73	22.58	24		
15	QPSK	1	37	22.50	22.61	22.77			
15	QPSK	1	74	22.57	22.65				



Band 38 -Ant 5 Full power&DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.65	22.71	22.63	24		
20	QPSK	1	49	22.67	22.68	22.54			
20	QPSK	1	99	22.47	22.65	22.50			
20	QPSK	50	0	21.64	21.80	21.77	23		
20	QPSK	50	24	21.71	21.70	21.74			
20	QPSK	50	50	21.71	21.78	21.67			
20	QPSK	100	0	21.69	21.78	21.68	23		
20	16QAM	1	0	21.65	21.69	21.81			
20	16QAM	1	49	21.73	21.82	21.69			
20	16QAM	1	99	21.75	21.75	21.80	22		
20	16QAM	50	0	21.03	21.06	21.05			
20	16QAM	50	24	20.95	20.99	20.98			
20	16QAM	50	50	20.88	20.91	20.88	22		
20	16QAM	100	0	20.90	20.89	20.91			
20	64QAM	1	0	20.94	21.06	20.96			
20	64QAM	1	49	21.01	20.90	21.06	22		
20	64QAM	1	99	21.04	21.07	20.89			
20	64QAM	50	0	19.77	19.86	19.83			
20	64QAM	50	24	19.86	19.84	19.92	21		
20	64QAM	50	50	19.76	19.90	19.79			
20	64QAM	100	0	19.84	19.80	19.91			
Channel				37825	38000	38175	Tune-up limit (dBm)		
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.48	22.69	22.59	24		
15	QPSK	1	37	22.50	22.53	22.50			
15	QPSK	1	74	22.45	22.64	22.43			
15	QPSK	36	0	21.45	21.79	21.66	23		
15	QPSK	36	20	21.61	21.61	21.57			
15	QPSK	36	39	21.68	21.72	21.54			
15	QPSK	75	0	21.56	21.59	21.48	23		
15	16QAM	1	0	21.58	21.60	21.81			
15	16QAM	1	37	21.71	21.74	21.60			
15	16QAM	1	74	21.73	21.57	21.77	22		
15	16QAM	36	0	20.95	20.96	20.94			
15	16QAM	36	20	20.78	20.90	20.94			
15	16QAM	36	39	20.69	20.73	20.88	22		
15	16QAM	75	0	20.91	20.77	20.73			
15	64QAM	1	0	20.82	20.93	20.84			
15	64QAM	1	37	20.86	20.85	21.02	22		
15	64QAM	1	74	20.90	21.01	20.86			
15	64QAM	36	0	19.77	19.72	19.75			
15	64QAM	36	20	19.75	19.73	19.76	21		
15	64QAM	36	39	19.58	19.84	19.78			
15	64QAM	75	0	19.82	19.63	19.74			
Channel				37800	38000	38200	Tune-up limit (dBm)		
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.48	22.61	22.48	24		
10	QPSK	1	25	22.48	22.65	22.52			
10	QPSK	1	49	22.31	22.55	22.43			
10	QPSK	25	0	21.58	21.79	21.72	23		
10	QPSK	25	12	21.56	21.51	21.59			
10	QPSK	25	25	21.70	21.69	21.66			
10	QPSK	50	0	21.64	21.66	21.60	23		
10	16QAM	1	0	21.57	21.51	21.69			
10	16QAM	1	25	21.68	21.65	21.64			
10	16QAM	1	49	21.64	21.64	21.65	22		
10	16QAM	25	0	20.84	20.94	20.86			
10	16QAM	25	12	20.87	20.92	20.92			
10	16QAM	25	25	20.70	20.74	20.77	22		
10	16QAM	50	0	20.80	20.87	20.73			
10	64QAM	1	0	20.87	21.06	20.93			
10	64QAM	1	25	20.89	20.88	21.06	22		
10	64QAM	1	49	20.96	21.04	20.76			
10	64QAM	25	0	19.70	19.85	19.71			
10	64QAM	25	12	19.85	19.67	19.81	21		
10	64QAM	25	25	19.61	19.82	19.78			
10	64QAM	50	0	19.80	19.73	19.85			
Channel				37775	38000	38225	Tune-up limit (dBm)		
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.46	22.56	22.54	24		
5	QPSK	1	12	22.51	22.53	22.38			
5	QPSK	1	24	22.45	22.53	22.42			
5	QPSK	12	0	21.53	21.70	21.69	23		
5	QPSK	12	7	21.65	21.53	21.55			
5	QPSK	12	13	21.62	21.78	21.52			
5	QPSK	25	0	21.66	21.59	21.66	23		
5	16QAM	1	0	21.65	21.63	21.69			
5	16QAM	1	12	21.60	21.77	21.50			
5	16QAM	1	24	21.70	21.72	21.74	22		
5	16QAM	12	0	21.02	20.90	21.02			
5	16QAM	12	7	20.79	20.96	20.96			
5	16QAM	12	13	20.74	20.84	20.71	22		
5	16QAM	25	0	20.95	20.81	20.90			
5	64QAM	1	0	20.78	20.93	20.92			
5	64QAM	1	12	20.82	20.73	21.05	22		
5	64QAM	1	24	20.89	20.91	20.77			
5	64QAM	12	0	19.71	19.77	19.69			
5	64QAM	12	7	19.84	19.77	19.85	21		
5	64QAM	12	13	19.63	19.76	19.70			
5	64QAM	25	0	19.67	19.76	19.80			

Band 41 -Ant 5 Full power&DSI2											
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)		
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	22.76	22.78	22.79	22.68	22.63	24		
20	QPSK	1	49	22.68	22.71	22.59	22.55	22.68			
20	QPSK	1	99	22.58	22.78	22.54	22.43	22.55			
20	QPSK	50	0	21.64	21.91	21.94	21.64	21.86	23		
20	QPSK	50	24	21.88	21.89	21.90	21.85	21.93			
20	QPSK	50	50	21.72	21.88	21.72	21.55	21.81			
20	QPSK	100	0	21.72	21.71	21.77	21.76	21.71	23		
20	16QAM	1	0	21.71	21.84	21.88	21.83	21.95			
20	16QAM	1	49	21.75	21.98	21.74	21.71	21.86			
20	16QAM	1	99	21.80	21.95	21.82	21.64	22.00	22		
20	16QAM	50	0	21.04	21.22	21.19	21.05	21.18			
20	16QAM	50	24	21.12	21.01	20.98	20.86	21.02			
20	16QAM	50	50	21.04	20.91	20.91	20.98	20.90	22		
20	16QAM	100	0	21.10	20.90	21.05	21.00	21.08			
20	64QAM	1	0	20.97	21.14	21.02	20.81	21.11			
20	64QAM	1	49	21.20	20.96	21.22	21.04	21.15	22		
20	64QAM	1	99	21.15	21.07	21.02	20.96	20.96			
20	64QAM	50	0	19.86	19.97	20.02	19.98	20.02			
20	64QAM	50	24	20.04	19.85	20.06	19.90	20.02	21		
20	64QAM	50	50	19.83	20.09	19.86	19.82	19.96			
20	64QAM	100	0	20.02	19.92	20.01	19.97	20.07			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	22.65	22.72	22.70	22.46	22.46	24.00		
15	QPSK	1	37	22.53	22.64	22.50	22.49	22.49			
15	QPSK	1	74	22.52	22.60	22.45	22.50	22.50			
15	QPSK	36	0	21.48	21.80	21.75	21.84	21.84	23		
15	QPSK	36	20	21.75	21.88	21.90	21.74	21.74			
15	QPSK	36	39	21.70	21.78	21.60	21.69	21.69			
15	QPSK	75	0	21.63	21.51	21.65	21.59	21.59	23		
15	16QAM	1	0	21.64	21.84	21.86	21.80	21.80			
15	16QAM	1	37	21.65	21.91	21.62	21.75	21.75			
15	16QAM	1	74	21.72	21.80	21.74	21.91	21.91	22		
15	16QAM	36	0	20.94	21.07	21.19	21.11	21.11			
15	16QAM	36	20	20.93	20.90	20.81	20.86	20.86			
15	16QAM	36	39	21.01	20.88	20.85	20.76	20.76	22		
15	16QAM	75	0	20.96	20.76	20.86	20.82	20.82			
15	64QAM	1	0	20.80	20.98	20.90	21.06	21.06			
15	64QAM	1	37	21.12	20.77	21.07	20.98	20.98	22		
15	64QAM	1	74	21.05	21.04	20.98	20.76	20.76			
15	64QAM	36	0	19.84	19.85	19.96	19.91	19.91			



Reduced Power Mode for WWAN

Band		WCDMA II DSI3			Tune-up Limit (dBm)	WCDMA IV DSI3			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513	
TX Channel		9262	9400	9538	19.00	1312	1413	1513	18.50
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.52	18.59	18.47	19.00	17.43	17.60	17.49	18.50
3GPP Rel 99	RMC 12.2Kbps	18.53	18.62	18.47	19.00	17.59	17.64	17.48	18.50
3GPP Rel 6	HSDPA Subtest-1	17.61	17.50	17.59	18.00	16.68	16.48	16.56	17.50
3GPP Rel 6	HSDPA Subtest-2	17.58	17.56	17.44	18.00	16.41	16.59	16.31	17.50
3GPP Rel 6	HSDPA Subtest-3	17.01	17.08	16.89	17.50	16.06	16.09	15.85	17.00
3GPP Rel 6	HSDPA Subtest-4	16.86	16.88	16.75	17.50	16.00	16.20	15.86	17.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.61	17.74	17.60	18.00	16.60	16.46	16.59	17.50
3GPP Rel 8	DC-HSDPA Subtest-2	17.53	17.52	17.43	18.00	16.33	16.51	16.27	17.50
3GPP Rel 8	DC-HSDPA Subtest-3	16.70	16.87	16.45	17.50	16.15	16.05	15.90	17.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.84	17.04	16.76	17.50	16.14	16.15	16.11	17.00
3GPP Rel 6	HSUPA Subtest-1	17.55	17.44	17.65	18.00	16.39	16.50	16.64	17.50
3GPP Rel 6	HSUPA Subtest-2	15.73	15.67	15.44	16.00	14.50	14.26	14.20	15.50
3GPP Rel 6	HSUPA Subtest-3	16.48	16.85	16.73	17.00	15.56	15.73	15.61	16.50
3GPP Rel 6	HSUPA Subtest-4	15.27	15.28	15.30	16.00	14.46	14.23	14.37	15.50
3GPP Rel 6	HSUPA Subtest-5	17.73	17.59	17.66	18.00	16.23	16.53	16.47	17.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.11	15.23	15.33	15.50	13.99	14.18	14.16	15.00



Band 2 - Ant 0 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power (dBm)	Time-up (min)	RB Offset (dBm)
20	QPSK	1	0	1720	1725	1729	17.5		
20	QPSK	1	49	1678	1683	1688	17.5	19	
20	QPSK	1	99	1636	1641	1646	17.5	19	
20	QPSK	50	0	1630	1635	1640	18.5		
20	QPSK	50	24	1673	1678	1683	18.5		
20	QPSK	50	49	1636	1641	1646	18.5		
20	QPSK	100	0	1625	1630	1635	19.5		
20	16QAM	1	0	1625	1630	1635	18.5		
20	16QAM	1	49	1583	1588	1593	18.5		
20	16QAM	1	99	1541	1546	1551	18.5		
20	16QAM	50	0	1535	1540	1545	18.5		
20	16QAM	50	24	1578	1583	1588	18.5		
20	16QAM	50	49	1535	1540	1545	18.5		
20	16QAM	100	0	1528	1533	1538	19.5		
20	16QAM	100	24	1571	1576	1581	19.5		
20	16QAM	100	49	1528	1533	1538	19.5		
20	16QAM	50	0	1522	1527	1532	19.5		
20	16QAM	50	24	1565	1570	1575	19.5		
20	16QAM	50	49	1522	1527	1532	19.5		
20	16QAM	100	0	1515	1520	1525	20.5		
20	16QAM	100	24	1558	1563	1568	20.5		
20	16QAM	100	49	1515	1520	1525	20.5		
20	16QAM	50	0	1509	1514	1519	20.5		
20	16QAM	50	24	1552	1557	1562	20.5		
20	16QAM	50	49	1509	1514	1519	20.5		
20	16QAM	100	0	1502	1507	1512	21.5		
20	16QAM	100	24	1545	1550	1555	21.5		
20	16QAM	100	49	1502	1507	1512	21.5		
20	16QAM	50	0	1496	1501	1506	21.5		
20	16QAM	50	24	1539	1544	1549	21.5		
20	16QAM	50	49	1496	1501	1506	21.5		
20	16QAM	100	0	1489	1494	1499	22.5		
20	16QAM	100	24	1532	1537	1542	22.5		
20	16QAM	100	49	1489	1494	1499	22.5		
20	16QAM	50	0	1483	1488	1493	22.5		
20	16QAM	50	24	1526	1531	1536	22.5		
20	16QAM	50	49	1483	1488	1493	22.5		
20	16QAM	100	0	1476	1481	1486	23.5		
20	16QAM	100	24	1519	1524	1529	23.5		
20	16QAM	100	49	1476	1481	1486	23.5		
20	16QAM	50	0	1470	1475	1480	23.5		
20	16QAM	50	24	1513	1518	1523	23.5		
20	16QAM	50	49	1470	1475	1480	23.5		
20	16QAM	100	0	1464	1469	1474	24.5		
20	16QAM	100	24	1507	1512	1517	24.5		
20	16QAM	100	49	1464	1469	1474	24.5		
20	16QAM	50	0	1458	1463	1468	24.5		
20	16QAM	50	24	1501	1506	1511	24.5		
20	16QAM	50	49	1458	1463	1468	24.5		
20	16QAM	100	0	1451	1456	1461	25.5		
20	16QAM	100	24	1494	1499	1504	25.5		
20	16QAM	100	49	1451	1456	1461	25.5		
20	16QAM	50	0	1445	1450	1455	25.5		
20	16QAM	50	24	1488	1493	1498	25.5		
20	16QAM	50	49	1445	1450	1455	25.5		
20	16QAM	100	0	1438	1443	1448	26.5		
20	16QAM	100	24	1481	1486	1491	26.5		
20	16QAM	100	49	1438	1443	1448	26.5		
20	16QAM	50	0	1432	1437	1442	26.5		
20	16QAM	50	24	1475	1480	1485	26.5		
20	16QAM	50	49	1432	1437	1442	26.5		
20	16QAM	100	0	1425	1430	1435	27.5		
20	16QAM	100	24	1468	1473	1478	27.5		
20	16QAM	100	49	1425	1430	1435	27.5		
20	16QAM	50	0	1419	1424	1429	27.5		
20	16QAM	50	24	1462	1467	1472	27.5		
20	16QAM	50	49	1419	1424	1429	27.5		
20	16QAM	100	0	1412	1417	1422	28.5		
20	16QAM	100	24	1455	1460	1465	28.5		
20	16QAM	100	49	1412	1417	1422	28.5		
20	16QAM	50	0	1406	1411	1416	28.5		
20	16QAM	50	24	1449	1454	1459	28.5		
20	16QAM	50	49	1406	1411	1416	28.5		
20	16QAM	100	0	1400	1405	1410	29.5		
20	16QAM	100	24	1443	1448	1453	29.5		
20	16QAM	100	49	1400	1405	1410	29.5		
20	16QAM	50	0	1394	1399	1404	29.5		
20	16QAM	50	24	1437	1442	1447	29.5		
20	16QAM	50	49	1394	1399	1404	29.5		
20	16QAM	100	0	1387	1392	1397	30.5		
20	16QAM	100	24	1430	1435	1440	30.5		
20	16QAM	100	49	1387	1392	1397	30.5		
20	16QAM	50	0	1381	1386	1391	30.5		
20	16QAM	50	24	1424	1429	1434	30.5		
20	16QAM	50	49	1381	1386	1391	30.5		
20	16QAM	100	0	1374	1379	1384	31.5		
20	16QAM	100	24	1417	1422	1427	31.5		
20	16QAM	100	49	1374	1379	1384	31.5		
20	16QAM	50	0	1368	1373	1378	31.5		
20	16QAM	50	24	1411	1416	1421	31.5		
20	16QAM	50	49	1368	1373	1378	31.5		
20	16QAM	100	0	1361	1366	1371	32.5		
20	16QAM	100	24	1404	1409	1414	32.5		
20	16QAM	100	49	1361	1366	1371	32.5		
20	16QAM	50	0	1355	1360	1365	32.5		
20	16QAM	50	24	1398	1403	1408	32.5		
20	16QAM	50	49	1355	1360	1365	32.5		
20	16QAM	100	0	1348	1353	1358	33.5		
20	16QAM	100	24	1391	1396	1401	33.5		
20	16QAM	100	49	1348	1353	1358	33.5		
20	16QAM	50	0	1342	1347	1352	33.5		
20	16QAM	50	24	1385	1390	1395	33.5		
20	16QAM	50	49	1342	1347	1352	33.5		
20	16QAM	100	0	1335	1340	1345	34.5		
20	16QAM	100	24	1378	1383	1388	34.5		
20	16QAM	100	49	1335	1340	1345	34.5		
20	16QAM	50	0	1329	1334	1339	34.5		
20	16QAM	50	24	1372	1377	1382	34.5		
20	16QAM	50	49	1329	1334	1339	34.5		
20	16QAM	100	0	1322	1327	1332	35.5		
20	16QAM	100	24	1365	1370	1375	35.5		
20	16QAM	100	49	1322	1327	1332	35.5		
20	16QAM	50	0	1316	1321	1326	35.5		
20	16QAM	50	24	1359	1364	1369	35.5		
20	16QAM	50	49	1316	1321	1326	35.5		
20	16QAM	100	0	1309	1314	1319	36.5		
20	16QAM	100	24	1352	1357	1362	36.5		
20	16QAM	100	49	1309	1314	1319	36.5		
20	16QAM	50	0	1303	1308	1313	36.5		
20	16QAM	50	24	1346	1351	1356	36.5		
20	16QAM	50	49	1303	1308	1313	36.5		
20	16QAM	100	0	1296	1301	1306	37.5		
20	16QAM	100	24	1339	1344	1349	37.5		
20	16QAM	100	49	1296	1301	1306	37.5		
20	16QAM	50	0	1290	1295	1300	37.5		
20	16QAM	50	24	1333	1338	1343	37.5		
20	16QAM	50	49	1290	1295	1300	37.5		
20	16QAM	100	0	1283	1288	1293	38.5		
20	16QAM	100	24	1326	1331	1336	38.5		
20	16QAM	100	49	1283	1288	1293	38.5		
20	16QAM	50	0	1277	1282	1287	38.5		
20	16QAM	50	24	1320	1325	1330	38.5		
20	16QAM	50	49	1277	1282	1287	38.5		
20	16QAM	100	0	1270	1275	1280	39.5		
20	16QAM	100	24	1313	1318	1323	39.5		
20	16QAM	100	49	1270	1275	1280	39.5		
20	16QAM	50	0	1264	1269	1274	39.5		
20	16QAM	50	24	1307	1312	1317	39.5		
20	16QAM	50	49	1264	1269	1274	39.5		
20	16QAM	100	0	1257	1262	1267	40.5		
20	16QAM	100	24	1300	1305	1310	40.5		
20	16QAM	100	49	1257	1262	1267	40.5		
20	16QAM	50	0	1251	1256	1261	40.5		
20	16QAM	50	24	1294	1299	1304	40.5		
20	16QAM	50	49	1251	1256	1261	40.5		
20	16QAM	100	0	1244	1249	1254	41.5		
20	16QAM	100	24	1287	1292	1297	41.5		
20	16QAM	100	49	1244	1249	1254	41.5		
20	16QAM	50	0	1238	1243	1248	41.5		
20	16QAM	50	24	1281	1286	1291	41.5		
20	16QAM	50	49	1238	1243	1248	41.5		
20	16QAM	100	0	1231	1236	1241	42.5		
20	16QAM	100	24	1274	1279	1284	42.5		
20	16QAM	100	49	1231	1236	1241	42.5		
20	16QAM	50	0	1225	1230	1235	42.5		
20	16QAM	50	24	1268	1273	1278	42.5		
2									



Band 38 -Ant 5 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.64	21.84	21.76	23		
20	QPSK	1	49	21.55	21.46	21.40			
20	QPSK	1	99	21.59	21.38	21.54			
20	QPSK	50	0	21.81	21.84	21.79	23		
20	QPSK	50	24	21.52	21.46	21.58			
20	QPSK	50	50	21.78	21.43	21.54			
20	QPSK	100	0	21.60	21.78	21.72	23		
20	16QAM	1	0	21.77	21.73	21.67			
20	16QAM	1	49	21.66	21.55	21.31			
20	16QAM	1	99	21.73	21.32	21.32	22		
20	16QAM	50	0	20.79	20.65	20.56			
20	16QAM	50	24	20.57	20.50	20.41			
20	16QAM	50	50	20.79	20.56	20.52	22		
20	16QAM	100	0	20.53	20.71	20.71			
20	64QAM	1	0	20.77	20.62	20.49			
20	64QAM	1	49	20.55	20.45	20.38	22		
20	64QAM	1	99	20.54	20.52	20.47			
20	64QAM	50	0	19.73	19.59	19.71			
20	64QAM	50	24	19.62	19.79	19.63	21		
20	64QAM	50	50	19.62	19.34	19.34			
20	64QAM	100	0	19.58	19.52	19.33			
Channel				37825	38000	38175	Tune-up limit (dBm)		
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	21.66	21.75	21.70	23		
15	QPSK	1	37	21.59	21.33	21.57			
15	QPSK	1	74	21.69	21.53	21.53			
15	QPSK	36	0	21.74	21.72	21.65	23		
15	QPSK	36	20	21.42	21.48	21.40			
15	QPSK	36	39	21.74	21.38	21.53			
15	QPSK	75	0	21.58	21.79	21.70	23		
15	16QAM	1	0	21.80	21.58	21.66			
15	16QAM	1	37	21.54	21.61	21.43			
15	16QAM	1	74	21.61	21.43	21.48	22		
15	16QAM	36	0	20.73	20.72	20.57			
15	16QAM	36	20	20.70	20.60	20.31			
15	16QAM	36	39	20.66	20.52	20.62	22		
15	16QAM	75	0	20.62	20.76	20.78			
15	64QAM	1	0	20.72	20.63	20.50			
15	64QAM	1	37	20.56	20.61	20.28	22		
15	64QAM	1	74	20.58	20.40	20.39			
15	64QAM	36	0	19.66	19.54	19.71			
15	64QAM	36	20	19.50	19.67	19.56	21		
15	64QAM	36	39	19.58	19.36	19.29			
15	64QAM	75	0	19.51	19.53	19.19			
Channel				37800	38000	38200	Tune-up limit (dBm)		
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.58	21.83	21.72	23		
10	QPSK	1	25	21.59	21.37	21.59			
10	QPSK	1	49	21.61	21.54	21.60			
10	QPSK	25	0	21.66	21.75	21.81	23		
10	QPSK	25	12	21.47	21.47	21.43			
10	QPSK	25	25	21.76	21.45	21.65			
10	QPSK	50	0	21.54	21.72	21.67	23		
10	16QAM	1	0	21.78	21.62	21.64			
10	16QAM	1	25	21.69	21.48	21.40			
10	16QAM	1	49	21.68	21.54	21.34	22		
10	16QAM	25	0	20.65	20.76	20.71			
10	16QAM	25	12	20.68	20.44	20.40			
10	16QAM	25	25	20.77	20.44	20.57	22		
10	16QAM	50	0	20.69	20.77	20.68			
10	64QAM	1	0	20.72	20.51	20.64			
10	64QAM	1	25	20.57	20.49	20.31	22		
10	64QAM	1	49	20.69	20.43	20.34			
10	64QAM	25	0	19.80	19.70	19.79			
10	64QAM	25	12	19.58	19.73	19.69	21		
10	64QAM	25	25	19.76	19.52	19.30			
10	64QAM	50	0	19.68	19.50	19.27			
Channel				37775	38000	38225	Tune-up limit (dBm)		
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.49	21.80	21.75	23		
5	QPSK	1	12	21.53	21.36	21.56			
5	QPSK	1	24	21.73	21.47	21.49			
5	QPSK	12	0	21.77	21.70	21.67	23		
5	QPSK	12	7	21.47	21.54	21.40			
5	QPSK	12	13	21.81	21.49	21.66			
5	QPSK	25	0	21.60	21.59	21.77	23		
5	16QAM	1	0	21.75	21.62	21.57			
5	16QAM	1	12	21.54	21.60	21.40			
5	16QAM	1	24	21.60	21.35	21.33	22		
5	16QAM	12	0	20.71	20.79	20.64			
5	16QAM	12	7	20.60	20.56	20.38			
5	16QAM	12	13	20.71	20.42	20.47	22		
5	16QAM	25	0	20.54	20.79	20.76			
5	64QAM	1	0	20.71	20.54	20.59			
5	64QAM	1	12	20.64	20.46	20.24	22		
5	64QAM	1	24	20.65	20.52	20.40			
5	64QAM	12	0	19.66	19.62	19.81			
5	64QAM	12	7	19.60	19.65	19.63	21		
5	64QAM	12	13	19.64	19.37	19.59			
5	64QAM	25	0	19.58	19.55	19.16			

Band 41 -Ant 5 DS13									
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)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2508	2549.5	2593	2636.5	2680	
20	QPSK	1	0	21.85	21.69	21.89	21.80	21.61	23
20	QPSK	1	49	21.67	21.64	21.52	21.61	21.75	
20	QPSK	1	99	21.60	21.78	21.57	21.65	21.53	
20	QPSK	50	0	21.70	21.85	21.87	21.83	21.59	23
20	QPSK	50	24	21.72	21.62	21.55	21.47	21.63	
20	QPSK	50	50	21.65	21.88	21.56	21.42	21.49	
20	QPSK	100	0	21.71	21.76	21.80	21.79	21.66	23
20	16QAM	1	0	21.84	21.82	21.78	21.74	21.61	
20	16QAM	1	49	21.61	21.73	21.64	21.50	21.58	
20	16QAM	1	99	21.65	21.74	21.45	21.50	21.47	22
20	16QAM	50	0	20.79	20.85	20.86	20.76	20.57	
20	16QAM	50	24	20.77	20.73	20.65	20.50	20.62	
20	16QAM	50	50	20.65	20.80	20.58	20.64	20.46	22
20	16QAM	100	0	20.84	20.71	20.84	20.84	20.54	
20	64QAM	1	0	20.79	20.87	20.70	20.67	20.67	
20	64QAM	1	49	20.76	20.71	20.65	20.45	20.67	22
20	64QAM	1	99	20.58	20.70	20.59	20.49	20.47	
20	64QAM	50	0	19.75	19.83	19.73	19.83	19.57	
20	64QAM	50	24	19.80	19.70	19.84	19.72	19.57	21
20	64QAM	50	50	19.60	19.78	19.54	19.42	19.68	
20	64QAM	100	0	19.60	19.70	19.64	19.36	19.51	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	21.68	21.59	21.56	21.78	21.43	23.00
15	QPSK	1	37	21.52	21.51	21.45	21.53	21.72	
15	QPSK	1	74	21.50	21.59	21.50	21.47	21.49	
15	QPSK	36	0	21.53	21.76	21.68	21.77	21.40	23
15	QPSK	36	20	21.57	21.59	21.52	21.35	21.54	
15	QPSK	36	39	21.49	21.75	21.42	21.31	21.40	
15	QPSK	75	0	21.62	21.68	21.63	21.61	21.60	23
15	16QAM	1	0	21.68	21.66	21.75	21.60	21.56	
15	16QAM	1	37	21.44	21.54	21.52	21.31	21.56	
15	16QAM	1	74	21.48	21.71	21.26	21.31	21.28	22
15	16QAM	36	0	20.71	20.65	20.73	20.58	20.53	
15	16QAM	36	20	20.74	20.59	20.54	20.44	20.42	
15	16QAM	36	39	20.62	20.72	20.51	20.55	20.29	22
15	16QAM	75	0	20.83	20.65	20.75	20.69	20.52	
15	64QAM	1	0	20.65	20.75	20.51	20.48	20.51	
15	64QAM	1	37	20.58	20.61	20.50	20.43	20.58	22
15	64QAM	1	74	20.40	20.52	20.56	20.44	20.32	
15	64QAM	36	0	19.69	19.80	19.65	19.80	19.38	
15	64QAM	36	20	19.67	19.66	19.76	19.69	19.46	21
15	64QAM	36	39	19.45	19.62	19.48	19.34	19.63	
15	64QAM	75	0	19.56					



Band		WCDMA II DSI 6			Tune-up Limit (dBm)	WCDMA IV DSI 6			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513	
TX Channel	Rx Channel	9662	9800	9938	1537	1638	1738		
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	22.51	22.50	22.35	23.00	20.84	21.02	21.00	22.00
3GPP Rel 99	RMC 12.2Kbps	22.53	22.56	22.43	23.00	20.92	21.11	21.13	22.00
3GPP Rel 6	HSDPA Subtest-1	21.62	21.48	21.57	22.00	20.14	20.12	20.23	21.00
3GPP Rel 6	HSDPA Subtest-2	21.53	21.48	21.45	22.00	19.89	20.09	19.84	21.00
3GPP Rel 6	HSDPA Subtest-3	20.84	21.11	20.93	21.50	19.62	19.71	19.45	20.50
3GPP Rel 6	HSDPA Subtest-4	20.71	20.77	20.91	21.50	19.57	19.81	19.33	20.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.68	21.60	21.44	22.00	20.11	20.01	19.98	21.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.54	21.50	21.46	22.00	19.81	20.16	19.92	21.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.65	20.95	20.57	21.50	19.64	19.45	19.41	20.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.81	21.13	20.68	21.50	19.61	19.71	19.51	20.50
3GPP Rel 6	HSUPA Subtest-1	21.54	21.38	21.74	22.00	19.83	19.99	20.10	21.00
3GPP Rel 6	HSUPA Subtest-2	19.76	19.80	19.46	20.00	17.98	17.88	17.71	19.00
3GPP Rel 6	HSUPA Subtest-3	20.55	20.82	20.61	21.00	18.88	19.32	19.02	20.00
3GPP Rel 6	HSUPA Subtest-4	19.33	19.31	19.30	20.00	17.88	17.66	17.88	19.00
3GPP Rel 6	HSUPA Subtest-5	21.77	21.48	21.63	22.00	19.73	19.88	20.00	21.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.16	19.28	19.35	19.50	17.67	17.77	17.60	18.50



Band 2 - Ant 0 DSI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 1890	Power Middle Ch. Freq. 1900	Power High Ch. Freq. 1910	Turn-up time (dBm)		
20	QPSK	1	0	20.87	21.10	20.92	22.5		
20	QPSK	1	49	20.96	20.87	21.02			
20	QPSK	1	99	20.87	20.88	20.92	22.5		
20	QPSK	50	0	21.08	21.09	21.00			
20	QPSK	50	24	20.89	21.03	20.98	22.5		
20	QPSK	50	50	20.92	20.89	21.00			
20	QPSK	100	0	20.92	21.08	20.95	22.5		
20	16QAM	1	0	21.08	20.99	21.05			
20	16QAM	1	49	20.82	20.94	20.88	22.5		
20	16QAM	50	0	20.91	20.87	20.71			
20	16QAM	50	24	20.99	20.47	20.69	22		
20	16QAM	50	50	20.84	20.63	20.59			
20	16QAM	100	0	20.94	20.62	20.76	22		
20	64QAM	1	0	20.76	20.55	20.83			
20	64QAM	1	49	20.50	20.77	20.72	22		
20	64QAM	1	99	20.58	20.49	20.60			
20	64QAM	50	0	19.56	19.64	19.63	21		
20	64QAM	50	24	19.50	19.61	19.63			
20	64QAM	50	50	19.06	19.61	19.63	21		
20	64QAM	100	0	19.60	19.58	19.56			
Channel									
Frequency (MHz)				1897.5	1890	1912.5	Turn-up time (dBm)		
15	QPSK	1	0	21.08	21.10	21.00	22.5		
15	QPSK	1	37	20.86	20.86	21.01			
15	QPSK	1	74	21.03	20.83	20.80	22.5		
15	QPSK	36	0	21.04	21.00	20.92			
15	QPSK	36	20	20.73	20.94	20.97	22.5		
15	QPSK	36	20	20.76	20.96	20.76			
15	QPSK	75	0	20.76	20.96	20.98	22.5		
15	16QAM	1	0	21.07	20.93	20.89			
15	16QAM	1	37	20.67	20.79	20.69	22.5		
15	16QAM	1	74	20.73	20.73	20.87			
15	16QAM	36	0	20.49	20.65	20.62	22		
15	16QAM	36	20	20.47	20.38	20.52			
15	16QAM	36	39	20.44	20.49	20.49	22		
15	16QAM	75	0	20.48	20.46	20.41			
15	64QAM	1	0	20.24	20.49	20.68	22		
15	64QAM	1	37	20.40	20.44	20.55			
15	64QAM	1	74	20.51	20.39	20.47	21		
15	64QAM	36	0	19.56	19.59	19.61			
15	64QAM	36	39	19.59	19.44	19.46	21		
15	64QAM	75	0	19.49	19.53	19.47			
Channel									
Frequency (MHz)				1895.0	1890.0	1915.0	Turn-up time (dBm)		
10	QPSK	1	0	20.92	21.10	20.92	22.5		
10	QPSK	1	49	20.76	20.86	20.85			
10	QPSK	25	0	20.90	21.01	21.00	22.5		
10	QPSK	25	12	20.81	20.89	20.88			
10	QPSK	25	12	20.81	21.07	20.99	22.5		
10	16QAM	1	0	21.00	20.85	20.87			
10	16QAM	1	25	20.66	20.90	20.78	22.5		
10	16QAM	1	49	20.62	20.85	20.78			
10	16QAM	25	0	20.49	20.60	20.61	22		
10	16QAM	25	12	20.46	20.34	20.49			
10	16QAM	25	12	20.51	20.47	20.51	22		
10	16QAM	50	0	20.39	20.42	20.75			
10	16QAM	50	24	20.46	20.39	20.61	22		
10	16QAM	50	50	20.45	20.71	20.70			
10	64QAM	1	0	20.53	20.30	20.50	22		
10	64QAM	1	49	20.50	20.36	20.46			
10	64QAM	25	0	19.50	19.46	19.55	21		
10	64QAM	25	12	19.55	19.43	19.42			
10	64QAM	25	12	19.51	19.44	19.51	21		
10	64QAM	50	0	19.50	19.44	19.51			
Channel									
Frequency (MHz)				1892.5	1890.0	1917.5	Turn-up time (dBm)		
5	QPSK	1	0	20.91	21.11	20.97	22.5		
5	QPSK	1	24	20.77	20.81	20.96			
5	QPSK	1	24	20.77	20.74	20.85	22.5		
5	QPSK	12	0	20.99	20.87	20.83			
5	QPSK	12	7	20.82	20.97	20.86	22.5		
5	QPSK	12	13	20.76	20.76	20.89			
5	QPSK	25	0	20.74	20.93	20.87	22.5		
5	16QAM	1	0	20.92	20.83	21.01			
5	16QAM	1	12	20.64	20.67	20.88	22.5		
5	16QAM	1	24	20.67	20.84	20.90			
5	16QAM	1	24	20.68	20.69	20.85	22		
5	16QAM	12	7	20.47	20.33	20.50			
5	16QAM	12	13	20.51	20.54	20.50	22		
5	16QAM	25	0	20.39	20.57	20.65			
5	64QAM	1	0	20.73	20.41	20.79	22		
5	64QAM	1	24	20.32	20.69	20.66			
5	64QAM	1	24	20.54	20.42	20.51	22		
5	64QAM	12	7	19.55	19.63	19.44			
5	64QAM	12	7	19.57	19.45	19.46	21		
5	64QAM	25	0	19.54	19.41	19.41			
5	64QAM	25	0	19.59	19.40	19.41	21		
5	64QAM	25	0	19.59	19.40	19.41			
Channel									
Frequency (MHz)				1897.5	1890	1900.5	Turn-up time (dBm)		
3	QPSK	1	0	20.95	21.04	21.04	22.5		
3	QPSK	1	8	20.71	20.87	20.86			
3	QPSK	1	14	20.80	20.70	20.89	22.5		
3	QPSK	8	0	20.99	20.87	20.81			
3	QPSK	8	4	20.88	21.02	20.95	22.5		
3	QPSK	8	7	20.78	20.72	20.84			
3	QPSK	15	0	20.76	20.88	20.87	22.5		
3	16QAM	1	0	20.99	20.88	21.04			
3	16QAM	1	8	20.82	20.79	20.71	22.5		
3	16QAM	1	14	20.60	20.77	20.85			
3	16QAM	8	0	20.47	20.64	20.56	22		
3	16QAM	8	7	20.50	20.33	20.59			
3	16QAM	8	7	20.51	20.54	20.57	22		
3	16QAM	15	0	20.51	20.59	20.58			
3	64QAM	1	0	20.62	20.45	20.79	22		
3	64QAM	1	8	20.34	20.72	20.72			
3	64QAM	1	14	20.48	20.41	20.41	22		
3	64QAM	8	0	19.52	19.64	19.60			
3	64QAM	8	4	19.44	19.43	19.49	21		
3	64QAM	8	7	19.57	19.50	19.58			
3	64QAM	15	0	19.54	19.40	19.36	21		
3	64QAM	15	0	19.54	19.40	19.41			
Channel									
Frequency (MHz)				1897.5	1890	1900.5	Turn-up time (dBm)		
1.4	QPSK	1	0	20.88	21.03	20.96	22.5		
1.4	QPSK	1	3	20.94	20.83	20.86			
1.4	QPSK	1	5	20.71	20.69	20.74	22.5		
1.4	QPSK	3	0	20.84	20.87	20.98			
1.4	QPSK	3	3	20.83	20.93	20.79	22.5		
1.4	QPSK	3	3	20.84	20.87	20.91			
1.4	QPSK	6	0	20.97	20.86	20.96	22.5		
1.4	16QAM	1	0	20.86	20.99	20.77			
1.4	16QAM	1	3	20.85	20.98	20.84	22.5		
1.4	16QAM	1	5	20.85	20.68	20.70			
1.4	16QAM	3	0	20.65	20.59	20.71	22.5		
1.4	16QAM	3	21	21.02	20.83	20.86			
1.4	16QAM	3	3	20.69	20.79	20.66	22		
1.4	16QAM	6	0	20.52	20.53	20.71			
1.4	64QAM	1	0	20.41	20.42	20.37	22		
1.4	64QAM	1	3	20.40	20.44	20.38			
1.4	64QAM	5	0	20.11	20.27	20.16	22		
1.4	64QAM	3	0	20.14	20.10	20.30			
1.4	64QAM	3	1	20.46	20.26	20.31	21		
1.4	64QAM	3	3	20.14	20.38	20.13			
1.4	64QAM	6	0	19.58	19.48	19.47	21		

Band 4 - Ant 0 DSI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 20550	Power Middle Ch. Freq. 20775	Power High Ch. Freq. 20990	Turn-up time (dBm)		
20	QPSK	1	0	21.03	21.22	21.11	22.5		
20	QPSK	1	49	20.95	21.09	21.18			
20	QPSK	1	99	21.08	21.17	21.21	22.5		
20	QPSK	50	0	21.02	21.29	21.18			
20	QPSK	50	24	20.97	21.20	21.25	22.5		
20	QPSK	50	50	20.94	21.09	21.12			
20	QPSK	100	0	20.92	21.13	21.03	22.5		
20	16QAM	1	0	21.23</					



GSM1900 DSI7

GSM1900	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)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.56	29.63	29.59	30.00	20.56	20.63	20.59	21.00
GPRS 1 Tx slot	29.45	29.51	29.55	30.00	20.45	20.51	20.55	21.00
GPRS 2 Tx slots	27.60	27.69	27.58	28.00	21.60	21.69	21.58	22.00
GPRS 3 Tx slots	25.44	25.22	25.28	26.00	21.18	20.96	21.02	21.74
GPRS 4 Tx slots	23.05	23.18	23.19	24.00	20.05	20.18	20.19	21.00
EDGE 1 Tx slot	25.24	25.12	25.13	26.00	16.24	16.12	16.13	17.00
EDGE 2 Tx slots	22.96	22.82	22.77	24.00	16.96	16.82	16.77	18.00
EDGE 3 Tx slots	20.84	20.59	20.88	22.00	16.58	16.33	16.62	17.74
EDGE 4 Tx slots	19.04	18.86	18.87	20.00	16.04	15.86	15.87	17.00

WCDMA II DSI7

WCDMA IV DSI7

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel	Rx Channel	9262	9400	9538		1312	1413	1513	
		9662	9800	9938		1537	1638	1738	
	Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	17.53	17.56	17.54	18.00	16.93	17.03	16.98	18.00
3GPP Rel 99	RMC 12.2Kbps	17.55	17.60	17.48	18.00	17.09	17.14	16.98	18.00
3GPP Rel 6	HSDPA Subtest-1	16.54	16.41	16.54	17.00	16.17	16.08	16.11	17.00
3GPP Rel 6	HSDPA Subtest-2	16.48	16.55	16.53	17.00	15.94	16.03	15.87	17.00
3GPP Rel 6	HSDPA Subtest-3	16.07	16.15	15.92	16.50	15.49	15.67	15.28	16.50
3GPP Rel 6	HSDPA Subtest-4	15.77	15.82	15.77	16.50	15.59	15.66	15.29	16.50
3GPP Rel 8	DC-HSDPA Subtest-1	16.67	16.71	16.59	17.00	16.13	15.91	16.01	17.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.51	16.47	16.43	17.00	15.87	16.01	15.72	17.00
3GPP Rel 8	DC-HSDPA Subtest-3	15.73	15.74	15.39	16.50	15.70	15.46	15.40	16.50
3GPP Rel 8	DC-HSDPA Subtest-4	15.92	15.95	15.78	16.50	15.69	15.58	15.70	16.50
3GPP Rel 6	HSUPA Subtest-1	16.63	16.48	16.72	17.00	15.95	16.01	16.20	17.00
3GPP Rel 6	HSUPA Subtest-2	14.78	14.72	14.35	15.00	14.00	13.76	13.73	15.00
3GPP Rel 6	HSUPA Subtest-3	15.47	15.90	15.80	16.00	15.02	15.29	15.08	16.00
3GPP Rel 6	HSUPA Subtest-4	14.20	14.34	14.32	15.00	13.98	13.77	13.94	15.00
3GPP Rel 6	HSUPA Subtest-5	16.68	16.56	16.70	17.00	15.63	16.06	15.97	17.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.19	14.21	14.29	14.50	13.50	13.65	13.63	14.50



Band 38 -Ant 5 DS17									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.64	21.84	21.76	23		
20	QPSK	1	49	21.55	21.46	21.40			
20	QPSK	1	99	21.59	21.38	21.54			
20	QPSK	50	0	21.81	21.83	21.79	23		
20	QPSK	50	24	21.52	21.46	21.58			
20	QPSK	50	50	21.78	21.43	21.54			
20	QPSK	100	0	21.60	21.78	21.72	23		
20	16QAM	1	0	21.77	21.73	21.67			
20	16QAM	1	49	21.66	21.55	21.31			
20	16QAM	1	99	21.73	21.32	21.32	22		
20	16QAM	50	0	20.79	20.65	20.56			
20	16QAM	50	24	20.57	20.50	20.41			
20	16QAM	50	50	20.79	20.56	20.52	22		
20	16QAM	100	0	20.53	20.71	20.71			
20	64QAM	1	0	20.77	20.62	20.49			
20	64QAM	1	49	20.55	20.45	20.38	22		
20	64QAM	1	99	20.54	20.52	20.47			
20	64QAM	50	0	19.73	19.59	19.71			
20	64QAM	50	24	19.62	19.79	19.63	21		
20	64QAM	50	50	19.62	19.34	19.34			
20	64QAM	100	0	19.58	19.52	19.33			
Channel				37825	38000	38175	Tune-up limit (dBm)		
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	21.66	21.75	21.70	23		
15	QPSK	1	37	21.59	21.33	21.57			
15	QPSK	1	74	21.69	21.53	21.53			
15	QPSK	36	0	21.74	21.72	21.65	23		
15	QPSK	36	20	21.42	21.48	21.40			
15	QPSK	36	39	21.74	21.38	21.53			
15	QPSK	75	0	21.58	21.79	21.70	23		
15	16QAM	1	0	21.80	21.58	21.66			
15	16QAM	1	37	21.54	21.61	21.43			
15	16QAM	1	74	21.61	21.43	21.48	22		
15	16QAM	36	0	20.73	20.72	20.57			
15	16QAM	36	20	20.70	20.60	20.31			
15	16QAM	36	39	20.66	20.52	20.62	22		
15	16QAM	75	0	20.62	20.76	20.78			
15	64QAM	1	0	20.72	20.63	20.50			
15	64QAM	1	37	20.56	20.61	20.28	22		
15	64QAM	1	74	20.58	20.40	20.39			
15	64QAM	36	0	19.66	19.54	19.71			
15	64QAM	36	20	19.50	19.67	19.56	21		
15	64QAM	36	39	19.58	19.36	19.29			
15	64QAM	75	0	19.51	19.53	19.19			
Channel				37800	38000	38200	Tune-up limit (dBm)		
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.58	21.83	21.72	23		
10	QPSK	1	25	21.59	21.37	21.59			
10	QPSK	1	49	21.61	21.54	21.60			
10	QPSK	25	0	21.66	21.75	21.81	23		
10	QPSK	25	12	21.47	21.47	21.43			
10	QPSK	25	25	21.76	21.45	21.65			
10	QPSK	50	0	21.54	21.72	21.67	23		
10	16QAM	1	0	21.78	21.62	21.64			
10	16QAM	1	25	21.69	21.48	21.40			
10	16QAM	1	49	21.68	21.54	21.34	22		
10	16QAM	25	0	20.65	20.76	20.71			
10	16QAM	25	12	20.68	20.44	20.40			
10	16QAM	25	25	20.77	20.44	20.57	22		
10	16QAM	50	0	20.69	20.77	20.68			
10	64QAM	1	0	20.72	20.51	20.64			
10	64QAM	1	25	20.57	20.49	20.31	22		
10	64QAM	1	49	20.69	20.43	20.34			
10	64QAM	25	0	19.80	19.70	19.79			
10	64QAM	25	12	19.58	19.73	19.69	21		
10	64QAM	25	25	19.76	19.52	19.30			
10	64QAM	50	0	19.68	19.50	19.27			
Channel				37775	38000	38225	Tune-up limit (dBm)		
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.49	21.80	21.75	23		
5	QPSK	1	12	21.53	21.36	21.56			
5	QPSK	1	24	21.73	21.47	21.49			
5	QPSK	12	0	21.77	21.70	21.67	23		
5	QPSK	12	7	21.47	21.54	21.40			
5	QPSK	12	13	21.81	21.49	21.66			
5	QPSK	25	0	21.60	21.59	21.77	23		
5	16QAM	1	0	21.75	21.62	21.57			
5	16QAM	1	12	21.54	21.60	21.40			
5	16QAM	1	24	21.60	21.35	21.33	22		
5	16QAM	12	0	20.71	20.79	20.64			
5	16QAM	12	7	20.60	20.56	20.38			
5	16QAM	12	13	20.71	20.42	20.47	22		
5	16QAM	25	0	20.54	20.79	20.76			
5	64QAM	1	0	20.71	20.54	20.59			
5	64QAM	1	12	20.64	20.46	20.24	22		
5	64QAM	1	24	20.65	20.52	20.40			
5	64QAM	12	0	19.66	19.62	19.81			
5	64QAM	12	7	19.60	19.65	19.63	21		
5	64QAM	12	13	19.64	19.37	19.59			
5	64QAM	25	0	19.58	19.55	19.16			

Band 41 -Ant 5 DS17									
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)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2508	2549.5	2593	2636.5	2680	
20	QPSK	1	0	21.85	21.69	21.89	21.80	21.61	23
20	QPSK	1	49	21.67	21.64	21.52	21.61	21.75	
20	QPSK	1	99	21.60	21.78	21.57	21.65	21.53	
20	QPSK	50	0	21.70	21.85	21.87	21.83	21.59	23
20	QPSK	50	24	21.72	21.62	21.55	21.47	21.63	
20	QPSK	50	50	21.65	21.88	21.56	21.42	21.49	
20	QPSK	100	0	21.71	21.76	21.80	21.79	21.66	23
20	16QAM	1	0	21.84	21.82	21.78	21.74	21.61	
20	16QAM	1	49	21.61	21.73	21.64	21.50	21.58	
20	16QAM	1	99	21.65	21.74	21.45	21.50	21.47	22
20	16QAM	50	0	20.79	20.85	20.86	20.76	20.57	
20	16QAM	50	24	20.77	20.73	20.65	20.50	20.62	
20	16QAM	50	50	20.65	20.80	20.58	20.64	20.46	22
20	16QAM	100	0	20.84	20.71	20.84	20.84	20.54	
20	64QAM	1	0	20.79	20.87	20.70	20.67	20.67	
20	64QAM	1	49	20.76	20.71	20.65	20.45	20.67	22
20	64QAM	1	99	20.58	20.70	20.59	20.49	20.47	
20	64QAM	50	0	19.75	19.83	19.73	19.83	19.57	
20	64QAM	50	24	19.80	19.70	19.84	19.72	19.57	21
20	64QAM	50	50	19.60	19.78	19.54	19.42	19.68	
20	64QAM	100	0	19.60	19.70	19.64	19.36	19.51	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	21.68	21.59	21.56	21.78	21.43	23.00
15	QPSK	1	37	21.52	21.51	21.45	21.53	21.72	
15	QPSK	1	74	21.50	21.59	21.50	21.47	21.49	
15	QPSK	36	0	21.53	21.76	21.68	21.77	21.40	23
15	QPSK	36	20	21.57	21.59	21.52	21.35	21.54	
15	QPSK	36	39	21.49	21.75	21.42	21.31	21.40	
15	QPSK	75	0	21.62	21.68	21.63	21.61	21.60	23
15	16QAM	1	0	21.68	21.66	21.75	21.60	21.56	
15	16QAM	1	37	21.44	21.54	21.52	21.31	21.56	
15	16QAM	1	74	21.48	21.71	21.26	21.31	21.28	22
15	16QAM	36	0	20.71	20.65	20.73	20.58	20.53	
15	16QAM	36	20	20.74	20.59	20.54	20.44	20.42	
15	16QAM	36	39	20.62	20.72	20.51	20.55	20.29	22
15	16QAM	75	0	20.83	20.65	20.75	20.69	20.52	
15	64QAM	1	0	20.65	20.75	20.51	20.48	20.51	
15	64QAM	1	37	20.58	20.61	20.50	20.43	20.58	22
15	64QAM	1	74	20.40	20.52	20.56	20.44	20.32	
15	64QAM	36	0	19.69	19.80	19.65	19.80	19.38	
15	64QAM	36	20	19.67	19.66	19.76	19.69	19.46	21
15	64QAM	36	39	19.45	19.62	19.48	19.34	19.63	
15	64QAM	75	0	19.56	19.51	19.49	19.23	19.39	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2637.8	2685	
10									



2CA DL

CA List	PCC							SCC				Power	
	LTE	BW	UL		Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
	Band	(MHz)	Freq.	Channel		RB	RB Offset	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
			(MHz)		(MHz)					(dBm)		(dBm)	
CA_2C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	22.45	22.54
CA_2A_4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	22.35	22.54
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	22.56	22.75
CA_2A_5A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	22.36	22.54
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	23.29	23.44
CA_2A_7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	22.41	22.54
	Band 7	20M	2535	21100	QPSK	1	0	Band 2	20M	1960	900	22.62	22.79
CA_4A_5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	22.58	22.75
	Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	23.21	23.44
CA_4A_7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	22.67	22.75
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	2132.5	2175	22.72	22.79
CA_5A_7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	23.25	23.44
	Band 7	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	22.68	22.79
CA_5A_41A	Band 5	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	23.35	23.44
	Band 41	20M	2593	40620	QPSK	1	0	Band 5	10M	881.5	2525	22.58	22.79
CA_5A_66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66866	23.21	23.44
	Band 66	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	22.67	22.81
CA_7B	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	2666.7	3217	22.58	22.79
CA_7C	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	22.48	22.79
CA_7A-7A	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	22.67	22.79
CA_7A-26A	Band 7	20M	2535	21100	QPSK	1	0	Band 26	15M	876.5	8865	22.58	22.79
	Band 26	15M	831.5	26865	QPSK	1	0	Band 7	20M	2655	3100	23.45	23.57
CA_26A_41A	Band 26	15M	831.5	26865	QPSK	1	0	Band 41	20M	2593	40620	23.39	23.57
	Band 41	20M	2593	40620	QPSK	1	0	Band 26	15M	876.5	8865	22.65	22.79
CA_38C	Band 38	20M	2595	37901	QPSK	1	0	Band 38	20M	2614.8	38099	22.47	22.71
CA_41C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	22.71	22.79
CA_66B	Band 66	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	22.67	22.81
CA_66C	Band 66	20M	1745	132322	QPSK	1	0	Band 7	20M	2174.8	67084	22.65	22.81
CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	22.72	22.81



WLAN/Bluetooth Power

2.4GHz WLAN				Ant 8 Full Power & Handheld		Ant 8 Head		Ant 8 Body Worn & Hotspot		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
2.4GHz WLAN	802.11b 1Mbps	1	2412	19.00	20.50	17.19	18.50	18.55	20.00	97.90
		6	2437	18.78	20.50	16.98	18.50	18.27	20.00	
		11	2462	19.12	20.50	17.22	18.50	18.60	20.00	
	802.11g 6Mbps	1	2412	18.66	20.50	17.05	18.50	18.66	20.00	97.49
		6	2437	18.47	20.00	16.91	18.50	18.47	20.00	
		11	2462	16.49	18.00	16.95	18.00	16.49	18.00	
	802.11n-HT20 MCS0	1	2412	17.90	19.50	16.98	18.50	17.90	19.50	97.31
		6	2437	17.75	19.50	17.75	18.50	17.75	19.50	
		11	2462	16.33	18.00	16.33	18.00	16.33	18.00	
802.11n-HT40 MCS0	3	2422	13.16	15.00	13.16	15.00	13.16	15.00	92.96	
	6	2437	17.10	19.00	16.21	18.00	16.21	18.00		
	9	2452	13.18	15.00	13.18	15.00	13.18	15.00		

5.2GHz WLAN				Ant 8 Full Power & Handheld		Ant 8 Head & Body Worn & Hotspot		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.09	19.50	16.61	18.00	97.58
		40	5200	17.84	19.50	16.30	18.00	
		44	5220	17.86	19.50	16.44	18.00	
		48	5240	17.56	19.50	16.04	18.00	
	802.11n-HT20 MCS0	36	5180	17.98	19.50	Not Required	18.00	97.41
		40	5200	17.67	19.50		18.00	
		44	5220	17.70	19.50		18.00	
		48	5240	17.57	19.50		18.00	
	802.11n-HT40 MCS0	38	5190	14.77	16.50	Not Required	16.50	94.42
		46	5230	16.56	18.50		17.50	
	802.11ac-VHT20 MCS0	36	5180	16.19	18.00	Not Required	18.00	97.20
		40	5200	16.03	18.00		18.00	
		44	5220	15.95	17.50		17.50	
		48	5240	15.71	17.50		17.50	
	802.11ac-VHT40 MCS0	38	5190	14.27	16.00	Not Required	16.00	94.56
		46	5230	14.92	16.50		16.50	
802.11ac-VHT80 MCS0	42	5210	11.56	13.50	Not Required	13.50	90.32	

5.3GHz WLAN				Ant 8 Full Power & Handheld		Ant 8 Head & Body Worn		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.08	19.50	16.61	18.00	97.58
		56	5280	18.04	19.50	16.55	18.00	
		60	5300	17.79	19.50	16.34	18.00	
		64	5320	17.63	19.50	16.19	18.00	
	802.11n-HT20 MCS0	52	5260	17.79	19.50	Not Required	18.00	97.41
		56	5280	17.73	19.50		18.00	
		60	5300	17.58	19.50		18.00	
		64	5320	17.31	19.00		18.00	
	802.11n-HT40 MCS0	54	5270	16.99	18.50	Not Required	17.50	94.42
		62	5310	14.68	16.50		16.50	
	802.11ac-VHT20 MCS0	52	5260	16.00	17.50	Not Required	17.50	97.20
		56	5280	15.94	17.50		17.50	
		60	5300	15.64	17.50		17.50	
		64	5320	15.78	17.50		17.50	
	802.11ac-VHT40 MCS0	54	5270	14.89	16.50	Not Required	16.50	94.56
		62	5310	14.66	16.50		16.50	
802.11ac-VHT80 MCS0	58	5290	11.99	13.50	Not Required	13.50	90.32	



5.5GHz WLAN				Ant 8 Full Power & Handheld		Ant 8 Head & Body Worn		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	100	5500	18.21	19.50	Not Required	18.00	97.58	
	116	5580	17.80	19.50		18.00		
	124	5620	17.98	19.50		18.00		
	132	5660	17.83	19.50		18.00		
	140	5700	18.10	19.50		18.00		
	144	5720	18.02	19.50		18.00		
802.11n-HT20 MCS0	100	5500	17.93	19.50		18.00	97.41	
	116	5580	17.51	19.50		18.00		
	124	5620	17.59	19.50		18.00		
	132	5660	17.63	19.50		18.00		
	140	5700	17.89	19.50		18.00		
	144	5720	17.83	19.50		18.00		
802.11n-HT40 MCS0	102	5510	15.14	17.00	15.14	17.00	94.42	
	110	5550	16.60	18.50	16.60	18.00		
	126	5630	16.52	18.50	16.52	18.00		
	134	5670	16.72	18.50	16.72	18.00		
	142	5710	16.79	18.50	16.79	18.00		
	100	5500	16.24	18.00	18.00	97.20		
116	5580	15.57	17.50	17.50				
124	5620	15.80	17.50	17.50				
132	5660	15.73	17.50	17.50				
140	5700	16.09	18.00	18.00				
144	5720	16.03	18.00	18.00				
802.11ac-VHT20 MCS0	102	5510	14.79	16.50	Not Required	16.50	94.56	
	110	5550	14.45	16.00		16.00		
	126	5630	14.39	16.00		16.00		
	134	5670	14.68	16.50		16.50		
	142	5710	14.96	16.50		16.50		
	106	5530	11.67	13.50		13.50		90.32
122	5610	13.74	15.50	15.50				
138	5690	14.13	16.00	16.00				

5.8GHz WLAN				Ant 8 Full Power & Handheld		Ant 8 Head		Ant 8 Body Worn & Hotspot		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
802.11a 6Mbps	149	5745	17.90	19.50	Not Required	16.50	Not Required	15.00	97.58		
	157	5785	18.17	19.50		16.50		15.00			
	165	5825	17.71	19.50		16.50		15.00			
802.11n-HT20 MCS0	149	5745	17.78	19.50		16.50		15.00	97.41		
	157	5785	17.83	19.50		16.50		15.00			
	165	5825	17.63	19.50		16.50		15.00			
802.11n-HT40 MCS0	151	5755	16.82	18.50		14.99		16.50	13.57	15.00	94.42
	159	5795	16.56	18.50		14.79		16.50	13.66	15.00	
	149	5745	15.95	17.50		16.50		15.00			
802.11ac-VHT20 MCS0	157	5785	16.04	18.00		Not Required		16.50	Not Required	15.00	97.20
	165	5825	15.78	17.50				16.50		15.00	
	151	5755	14.86	16.50				16.50		15.00	
802.11ac-VHT40 MCS0	151	5755	14.86	16.50	16.50		15.00	94.56			
	159	5795	14.65	16.50	16.50		15.00				
	155	5775	14.36	16.00	16.00		14.50			90.32	

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.85	9.83	9.64
	CH 39	2441	12.96	10.06	9.87
	CH 78	2480	12.11	9.13	9.35
Tune-up Limit			14.00	11.00	11.00

BLE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.17
	CH 19	2440	7.23
	CH 39	2480	7.05
Tune-up Limit			8.00