



Full Power Mode for WWAN

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)	32.83	32.99	32.85	33.50	23.83	23.99	23.85	24.50
GSM 1 Tx slot	32.78	32.95	32.83	33.50	23.78	23.95	23.83	24.50
GPRS 2 Tx slots	31.97	32.18	32.07	32.50	25.97	26.18	26.07	26.50
GPRS 3 Tx slots	30.20	30.37	30.31	31.00	25.94	26.11	26.05	26.74
GPRS 4 Tx slots	29.10	29.24	29.14	30.00	26.10	26.24	26.14	27.00
EDGE 1 Tx slot	27.23	27.24	27.05	28.00	18.23	18.24	18.05	19.00
EDGE 2 Tx slots	26.06	26.05	25.89	26.50	20.06	20.05	19.89	20.50
EDGE 3 Tx slots	23.75	23.87	23.43	24.50	19.49	19.61	19.17	20.24
EDGE 4 Tx slots	22.38	22.36	22.26	23.00	19.38	19.36	19.26	20.00

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)	29.61	29.65	29.67	30.50	20.61	20.65	20.67	21.50
GSM 1 Tx slot	29.60	29.66	29.66	30.50	20.60	20.66	20.66	21.50
GPRS 2 Tx slots	28.86	28.90	28.92	30.00	22.86	22.90	22.92	24.00
GPRS 3 Tx slots	27.16	27.15	27.20	28.00	22.90	22.89	22.94	23.74
GPRS 4 Tx slots	26.08	26.05	26.09	27.00	23.08	23.05	23.09	24.00
EDGE 1 Tx slot	26.36	26.14	26.15	26.50	17.36	17.14	17.15	17.50
EDGE 2 Tx slots	25.42	25.15	25.07	25.50	19.42	19.15	19.07	19.50
EDGE 3 Tx slots	23.43	23.18	23.13	24.00	19.17	18.92	18.87	19.74
EDGE 4 Tx slots	22.25	22.15	21.98	23.00	19.25	19.15	18.98	20.00

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)		
	9262	9400	9538		4132	4182	4233			
TX Channel	9662	9800	9938	9662	9800	9938				
Rx Channel	1852.4	1880	1907.6	1852.4	1880	1907.6				
Frequency (MHz)	3GPP Rel 99	AMR 12.2kbps	22.46	22.33	22.68	24.00	22.68	22.70	22.68	24.00
3GPP Rel 99	RMC 12.2kbps	22.50	22.38	22.69	24.00	22.75	22.77	22.73	24.00	
3GPP Rel 6	HSDPA Subtest-1	21.51	21.43	21.66	23.00	21.97	21.94	21.85	23.00	
3GPP Rel 6	HSDPA Subtest-2	21.47	21.38	21.57	23.00	21.83	21.73	21.69	23.00	
3GPP Rel 6	HSDPA Subtest-3	20.97	20.82	21.10	22.50	21.34	21.25	21.22	22.50	
3GPP Rel 6	HSDPA Subtest-4	20.38	20.78	21.08	22.50	21.34	21.23	21.18	22.50	
3GPP Rel 8	DC-HSDPA Subtest-1	21.47	21.41	21.53	23.00	21.82	21.78	21.76	23.00	
3GPP Rel 8	DC-HSDPA Subtest-2	21.43	21.37	21.56	23.00	21.81	21.71	21.63	23.00	
3GPP Rel 8	DC-HSDPA Subtest-3	20.89	20.76	21.08	22.50	21.28	21.21	21.20	22.50	
3GPP Rel 8	DC-HSDPA Subtest-4	20.92	20.72	21.05	22.50	21.28	21.22	21.16	22.50	
3GPP Rel 6	HSUPA Subtest-1	19.56	19.50	19.82	21.00	19.93	19.87	19.81	21.00	
3GPP Rel 6	HSUPA Subtest-2	19.62	19.41	19.79	21.00	19.91	19.88	19.77	21.00	
3GPP Rel 6	HSUPA Subtest-3	20.53	20.46	20.85	21.50	20.86	20.81	20.84	21.50	
3GPP Rel 6	HSUPA Subtest-4	19.10	18.86	19.35	20.50	19.37	19.38	19.35	20.50	
3GPP Rel 6	HSUPA Subtest-5	20.50	20.40	20.80	21.50	20.80	20.80	20.70	21.50	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.03	19.96	20.12	21.00	20.43	20.38	20.44	21.00	



Band 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				1870	1890	1900				
20	QPSK	1	0	22.03	22.16	22.25			24	0
20	QPSK	1	49	22.32	22.68	22.48				
20	QPSK	50	0	21.46	21.50	21.45			23	1
20	QPSK	50	24	21.27	21.22	21.43				
20	QPSK	50	50	21.19	21.45	21.13				
20	QPSK	100	0	21.16	21.36	21.28				
20	16QAM	1	0	21.68	21.24	21.31				
20	16QAM	1	49	21.89	21.49	21.73			23	1
20	16QAM	1	99	21.46	21.40	21.68				
20	16QAM	50	0	20.12	20.23	20.47			22	2
20	16QAM	50	24	20.35	20.30	20.61				
20	16QAM	50	50	20.32	20.06	20.47				
20	16QAM	100	0	20.28	20.28	20.44				
20	64QAM	1	0	20.12	20.46	20.53				
20	64QAM	1	49	20.50	20.72	20.93			22	2
20	64QAM	1	99	20.17	20.28	20.81				
20	64QAM	50	0	19.16	19.21	19.42				
20	64QAM	50	24	19.25	19.27	19.61			21	3
20	64QAM	50	50	19.24	19.11	19.49				
20	64QAM	100	0	19.19	19.22	19.45				
Channel										
Frequency (MHz)				18675	18900	19125				
15	QPSK	1	0	22.07	22.05	22.20			24	0
15	QPSK	1	37	22.26	22.24	22.61				
15	QPSK	1	74	22.13	22.23	22.43				
15	QPSK	36	0	21.14	21.19	21.48			23	1
15	QPSK	36	20	21.17	21.29	21.50				
15	QPSK	36	39	21.26	21.10	21.50				
15	QPSK	75	0	21.16	21.23	21.59				
15	16QAM	1	0	21.63	21.16	21.27				
15	16QAM	1	37	21.61	21.75	21.67			23	1
15	16QAM	1	74	21.37	21.42	21.51				
15	16QAM	36	0	20.19	20.30	20.59			22	2
15	16QAM	36	20	20.29	20.20	20.55				
15	16QAM	36	39	20.13	20.18	20.51				
15	16QAM	75	0	20.16	20.26	20.48				
15	64QAM	1	0	20.32	20.34	20.62				
15	64QAM	1	37	20.50	20.50	21.12			22	2
15	64QAM	1	74	20.24	20.38	20.90				
15	64QAM	36	0	19.12	19.19	19.59				
15	64QAM	36	20	19.23	19.27	19.61			21	3
15	64QAM	36	39	19.13	19.00	19.58				
15	64QAM	75	0	19.16	19.12	19.44				
Channel										
Frequency (MHz)				18650	18900	19150				
10	QPSK	1	0	22.10	22.15	22.39			24	0
10	QPSK	1	25	22.22	22.30	22.48				
10	QPSK	1	49	22.21	22.15	22.61				
10	QPSK	25	0	21.04	21.31	21.66			23	1
10	QPSK	25	12	21.17	21.17	21.70				
10	QPSK	25	25	21.28	21.09	21.66				
10	QPSK	50	0	21.16	21.10	21.69				
10	16QAM	1	0	21.68	21.70	21.94				
10	16QAM	1	25	21.75	21.88	22.27			23	1
10	16QAM	1	49	21.12	21.62	21.83				
10	16QAM	25	0	20.19	20.29	20.84			22	2
10	16QAM	25	12	20.34	20.31	20.74				
10	16QAM	25	25	20.39	20.25	20.62				
10	16QAM	50	0	20.25	20.32	20.72				
10	64QAM	1	0	20.27	20.10	20.59				
10	64QAM	1	25	20.15	20.10	20.78			22	2
10	64QAM	1	49	20.23	20.31	20.73				
10	64QAM	25	0	19.07	19.39	19.75				
10	64QAM	25	12	19.29	19.26	19.72			21	3
10	64QAM	25	25	19.23	19.16	19.75				
10	64QAM	50	0	19.22	19.32	19.71				
Channel										
Frequency (MHz)				18625	18900	19175				
5	QPSK	1	0	22.01	22.00	22.51			24	0
5	QPSK	1	12	22.40	22.26	22.58				
5	QPSK	1	24	22.05	22.36	22.57				
5	QPSK	12	0	21.04	21.11	21.67			23	1
5	QPSK	12	7	21.19	21.19	21.65				
5	QPSK	12	13	21.22	21.05	21.65				
5	QPSK	25	0	21.13	21.11	21.64				
5	16QAM	1	0	21.03	21.07	21.66				
5	16QAM	1	12	21.09	21.17	21.81			23	1
5	16QAM	1	24	21.08	21.26	21.83				
5	16QAM	12	0	20.27	20.24	20.67			22	2
5	16QAM	12	7	20.20	20.22	20.66				
5	16QAM	12	13	20.16	20.20	20.57				
5	16QAM	25	0	20.27	20.16	20.56				
5	64QAM	1	0	20.13	20.38	20.70				
5	64QAM	1	12	20.36	20.25	21.13			22	2
5	64QAM	1	24	20.16	20.32	20.81				
5	64QAM	12	0	19.08	19.25	19.78				
5	64QAM	12	7	19.15	19.27	19.80			21	3
5	64QAM	12	13	19.13	19.25	19.68				
5	64QAM	25	0	19.20	19.17	19.85				
Channel										
Frequency (MHz)				18615	18900	19185				
3	QPSK	1	0	22.21	22.30	22.49			24	0
3	QPSK	1	6	22.21	22.23	22.53				
3	QPSK	1	14	22.19	22.18	22.59				
3	QPSK	8	0	21.17	21.25	21.67			23	1
3	QPSK	8	4	21.17	21.16	21.65				
3	QPSK	8	7	21.22	21.16	21.76				
3	QPSK	15	0	21.12	21.18	21.72				
3	16QAM	1	0	21.67	21.34	21.82			23	1
3	16QAM	1	6	21.69	21.39	21.84				
3	16QAM	1	14	21.70	21.37	21.74				
3	16QAM	8	0	20.27	20.40	20.84			22	2
3	16QAM	8	4	20.29	20.42	20.82				
3	16QAM	8	7	20.37	20.35	20.88				
3	16QAM	15	0	20.27	20.42	20.71				
3	64QAM	1	0	20.43	20.56	20.95				
3	64QAM	1	6	20.51	20.50	20.99			22	2
3	64QAM	1	14	20.50	20.45	21.10				
3	64QAM	8	0	19.40	19.44	19.73				
3	64QAM	8	4	19.37	19.34	19.66			21	3
3	64QAM	8	7	19.35	19.39	19.73				
3	64QAM	15	0	19.21	19.20	19.71				
Channel										
Frequency (MHz)				18607	18900	19193				
1.4	QPSK	1	0	22.17	22.06	22.61			24	0
1.4	QPSK	1	3	22.20	22.39	22.64				
1.4	QPSK	1	5	22.08	22.16	22.60				
1.4	QPSK	3	0	22.30	22.26	22.66				
1.4	QPSK	3	1	22.21	22.24	22.40				
1.4	QPSK	3	3	22.27	22.16	22.37			23	1
1.4	QPSK	6	0	21.12	21.24	21.78				
1.4	16QAM	1	0	21.32	21.18	21.80				
1.4	16QAM	1	3	21.45	21.46	22.02			23	1
1.4	16QAM	1	5	21.33	21.05	21.68				
1.4	16QAM	3	0	21.36	21.19	21.60				
1.4	16QAM	3	1	21.38	21.24	21.67				
1.4	16QAM	3	3	21.29	21.30	21.63			22	2
1.4	16QAM	6	0	20.20	20.17	20.82				
1.4	64QAM	1	0	20.52	20.51	20.75				
1.4	64QAM	1	3	20.61	20.86	20.82			22	2
1.4	64QAM	1	5	20.42	20.58	20.85				
1.4	64QAM	3	0	20.41	20.43	20.70				
1.4	64QAM	3	1	20.34	20.47	20.87				
1.4	64QAM	3	3	20.48	20.52	20.81			21	3
1.4	64QAM</									



Band 38									
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	2585	2590			
20	QPSK	1	0	22.51	22.51	22.53	24	0	
20	QPSK	1	49	22.87	22.95	22.99			
20	QPSK	1	99	22.81	22.81	22.84			
20	QPSK	50	0	21.67	21.82	21.70			
20	QPSK	50	24	21.74	21.72	21.75			
20	QPSK	50	50	21.75	21.71	21.73	23	1	
20	QPSK	100	0	21.75	21.80	21.67			
20	16QAM	1	0	21.62	21.61	21.56			
20	16QAM	1	49	22.01	21.98	22.01	23	1	
20	16QAM	1	99	21.64	21.72	21.70			
20	16QAM	50	0	20.69	20.72	20.71			
20	16QAM	50	24	20.78	20.80	20.81			
20	16QAM	50	50	20.85	20.72	20.82	22	2	
20	16QAM	100	0	20.23	20.69	20.77			
20	64QAM	1	0	20.37	20.39	20.39			
20	64QAM	1	49	20.81	20.77	20.82	22	2	
20	64QAM	1	99	20.42	20.47	20.50			
20	64QAM	50	0	19.61	19.61	19.74			
20	64QAM	50	24	19.77	19.79	19.83			
20	64QAM	50	50	19.79	19.71	19.81	21	3	
20	64QAM	100	0	19.74	19.77	19.80			
Channel				37925	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2596	2612.5			
15	QPSK	1	0	22.62	22.57	22.63	24	0	
15	QPSK	1	37	22.85	22.85	22.94			
15	QPSK	1	74	22.66	22.60	22.73			
15	QPSK	36	0	21.74	21.77	21.80			
15	QPSK	36	20	21.77	21.71	21.78	23	1	
15	QPSK	36	39	21.75	21.79	21.77			
15	QPSK	75	0	21.69	21.68	21.77			
15	16QAM	1	0	21.68	21.84	21.70			
15	16QAM	1	37	21.95	21.98	21.99	23	1	
15	16QAM	1	74	21.76	21.70	21.85			
15	16QAM	36	0	20.71	20.65	20.78			
15	16QAM	36	20	20.78	20.78	20.82	22	2	
15	16QAM	36	39	20.78	20.74	20.73			
15	16QAM	75	0	20.75	20.73	20.80			
15	64QAM	1	0	20.38	20.43	20.50			
15	64QAM	1	37	20.68	20.68	20.74	22	2	
15	64QAM	1	74	20.48	20.48	20.58			
15	64QAM	36	0	19.67	19.68	19.80			
15	64QAM	36	20	19.79	19.79	19.84			
15	64QAM	36	39	19.76	19.76	19.79	21	3	
15	64QAM	75	0	19.71	19.68	19.76			
Channel				37950	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2596	2615			
10	QPSK	1	0	22.68	22.68	22.74	24	0	
10	QPSK	1	25	22.63	22.66	22.71			
10	QPSK	1	49	22.72	22.67	22.88			
10	QPSK	25	0	21.70	21.81	21.78			
10	QPSK	25	12	21.74	21.77	21.74	23	1	
10	QPSK	25	25	21.76	21.76	21.75			
10	QPSK	50	0	21.75	21.79	21.70			
10	16QAM	1	0	21.76	21.76	21.85			
10	16QAM	1	25	21.73	21.70	21.81	23	1	
10	16QAM	1	49	21.79	21.83	21.90			
10	16QAM	25	0	20.80	20.88	20.90			
10	16QAM	25	12	20.82	20.80	20.95			
10	16QAM	25	25	20.80	20.82	20.83	22	2	
10	16QAM	50	0	20.78	20.77	20.91			
10	64QAM	1	0	20.55	20.52	20.62			
10	64QAM	1	25	20.53	20.55	20.61	22	2	
10	64QAM	1	49	20.59	20.58	20.57			
10	64QAM	25	0	19.75	19.83	19.89			
10	64QAM	25	12	19.84	19.78	19.88			
10	64QAM	25	25	19.82	19.78	19.89	21	3	
10	64QAM	50	0	19.73	19.72	19.85			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2272.5	2296	2317.5			
5	QPSK	1	0	22.61	22.56	22.60	24	0	
5	QPSK	1	12	22.76	22.80	22.88			
5	QPSK	1	24	22.56	22.56	22.71			
5	QPSK	12	0	21.66	21.68	21.75			
5	QPSK	12	7	21.77	21.73	21.76			
5	QPSK	12	13	21.69	21.72	21.79	23	1	
5	QPSK	25	0	21.72	21.74	21.76			
5	16QAM	1	0	21.72	21.67	21.80			
5	16QAM	1	12	21.88	21.96	22.03	23	1	
5	16QAM	1	24	21.62	21.67	21.76			
5	16QAM	12	0	20.70	20.66	20.72			
5	16QAM	12	7	20.77	20.74	20.80	22	2	
5	16QAM	12	13	20.86	20.85	20.77			
5	16QAM	25	0	20.68	20.74	20.80			
5	64QAM	1	0	20.41	20.45	20.57			
5	64QAM	1	12	20.61	20.63	20.82	22	2	
5	64QAM	1	24	20.43	20.45	20.55			
5	64QAM	12	0	19.72	19.75	19.74			
5	64QAM	12	7	19.77	19.73	19.89			
5	64QAM	12	13	19.70	19.66	19.78	21	3	
5	64QAM	25	0	19.69	19.75	19.85			

Band 41									
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				40140	40400	40670			
Frequency (MHz)				2545	2571	2598			
20	QPSK	1	0	23.33	23.19	22.99	24	0	
20	QPSK	1	49	23.50	23.35	23.15			
20	QPSK	1	99	23.36	23.12	22.93			
20	QPSK	50	0	22.43	22.56	22.21			
20	QPSK	50	24	22.51	22.52	22.20	23	1	
20	QPSK	50	50	22.48	22.45	22.16			
20	QPSK	100	0	22.53	22.55	22.06			
20	16QAM	1	0	22.60	22.55	22.16			
20	16QAM	1	49	22.84	22.69	22.46	23	1	
20	16QAM	1	99	22.65	22.47	22.14			
20	16QAM	50	0	21.46	21.51	21.26			
20	16QAM	50	24	21.64	21.45	21.19	22	2	
20	16QAM	50	50	21.67	21.44	21.17			
20	16QAM	100	0	21.57	21.41	21.15			
20	64QAM	1	0	21.45	21.40	21.09			
20	64QAM	1	49	21.72	21.61	21.31	22	2	
20	64QAM	1	99	21.43	21.27	20.95			
20	64QAM	50	0	20.52	20.43	20.04			
20	64QAM	50	24	20.67	20.52	20.17	21	3	
20	64QAM	50	50	20.56	20.43	20.19			
20	64QAM	100	0	20.51	20.50	20.05			
Channel				40115	40395	40685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2542.5	2570.5	2599.5			
15	QPSK	1	0	23.49	23.36	23.02	24	0	
15	QPSK	1	37	23.50	23.42	23.17			
15	QPSK	1	74	23.51	23.24	23.06			
15	QPSK	36	0	22.51	22.52	22.17			
15	QPSK	36	20	22.53	22.44	22.11	23	1	
15	QPSK	36	39	22.53	22.39	22.12			
15	QPSK	75	0	22.49	22.44	22.16			
15	16QAM	1	0	22.68	22.58	22.27			
15	16QAM	1	37	22.78	22.63	22.34	23	1	
15	16QAM	1	74	22.69	22.36	22.24			
15	16QAM	36	0	21.51	21.37	21.05			
15	16QAM	36	20	21.53	21.48	21.14	22	2	
15	16QAM	36	39	21.55	21.36	21.06			
15	16QAM	75	0	21.54	21.49	21.11			
15	64QAM	1	0	21.46	21.40	21.08			
15	64QAM	1	37	21.63	21.51	21.23	22	2	
15	64QAM	1	74	21.51	21.29	21.04			
15	64QAM	36	0	20.53	20.46	20.14			
15	64QAM	36	20	20.60	20.39	20.22	21	3	
15	64QAM	36	39	20.52	20.45	20.12			
15	64Q								



Reduced Power For Sensor On

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
Frequency (MHz)	32.99	32.83	32.85	33.50	23.99	23.83	23.85	24.50
GSM 1 Tx slot	32.95	32.78	32.83	33.50	23.95	23.78	23.83	24.50
GPRS 1 Tx slot	32.18	31.97	32.07	32.50	26.18	25.97	26.07	26.50
GPRS 2 Tx slots	30.37	30.20	30.31	31.00	26.11	25.94	26.05	26.74
GPRS 3 Tx slots	29.24	29.10	29.14	30.00	26.24	26.10	26.14	27.00
GPRS 4 Tx slots	27.24	27.23	27.05	28.00	18.24	18.23	18.05	19.00
EDGE 1 Tx slot	26.05	26.06	25.89	26.50	20.05	20.06	19.89	20.50
EDGE 3 Tx slots	23.87	23.75	23.43	24.50	19.61	19.49	19.17	20.24
EDGE 4 Tx slots	22.36	22.38	22.26	23.00	19.36	19.38	19.26	20.00

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	27.50	1850.2	1880	1909.8	18.50
Frequency (MHz)	26.78	26.77	26.75	27.50	17.78	17.77	17.75	18.50
GSM 1 Tx slot	26.78	26.76	26.73	27.50	17.78	17.76	17.73	18.50
GPRS 1 Tx slot	26.03	26.08	26.09	27.00	20.03	20.08	20.09	21.00
GPRS 2 Tx slots	24.11	24.13	24.08	25.00	19.85	19.87	19.82	20.74
GPRS 3 Tx slots	23.11	23.14	23.15	24.00	20.11	20.14	20.15	21.00
GPRS 4 Tx slots	23.32	23.13	23.06	23.50	14.32	14.13	14.06	14.50
EDGE 1 Tx slot	22.36	22.12	22.03	22.50	16.36	16.12	16.03	16.50
EDGE 3 Tx slots	20.36	20.08	20.10	21.00	16.10	15.82	15.84	16.74
EDGE 4 Tx slots	19.15	19.07	18.93	20.00	16.15	16.07	15.93	17.00

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9262	9400	9538		4132	4182	4233	
TX Channel	9662	9800	9938	17.00	4357	4407	4458	24.00
Frequency (MHz)	1852.4	1880	1907.6	17.00	22.75	22.77	22.73	24.00
3GPP Rel 99 AMR 12.2kbps	15.55	15.41	15.69	17.00	22.68	22.70	22.68	24.00
3GPP Rel 99 RMC 12.2kbps	15.57	15.46	15.71	17.00	22.75	22.77	22.73	24.00
3GPP Rel 6 HSDPA Subtest-1	14.49	14.36	14.57	16.00	21.97	21.94	21.85	23.00
3GPP Rel 6 HSDPA Subtest-2	14.45	14.37	14.56	16.00	21.83	21.73	21.69	23.00
3GPP Rel 6 HSDPA Subtest-3	13.88	13.73	14.01	15.50	21.34	21.25	21.22	22.50
3GPP Rel 6 HSDPA Subtest-4	13.93	13.71	14.03	15.50	21.34	21.23	21.18	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	14.43	14.34	14.52	16.00	21.82	21.78	21.76	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	14.42	14.28	14.49	16.00	21.81	21.71	21.63	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	13.82	13.74	14.05	15.50	21.28	21.21	21.20	22.50
3GPP Rel 8 DC-HSDPA Subtest-4	13.84	13.66	14.03	15.50	21.29	21.22	21.16	22.50
3GPP Rel 6 HSUPA Subtest-1	12.48	12.46	12.78	14.00	19.93	19.87	19.81	21.00
3GPP Rel 6 HSUPA Subtest-2	12.61	12.35	12.75	14.00	19.91	19.88	19.77	21.00
3GPP Rel 6 HSUPA Subtest-3	13.46	13.38	13.79	14.50	20.86	20.81	20.84	21.50
3GPP Rel 6 HSUPA Subtest-4	12.02	11.81	12.30	13.50	19.37	19.38	19.35	20.50
3GPP Rel 6 HSUPA Subtest-5	13.46	13.38	13.75	14.50	20.80	20.80	20.70	21.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	12.98	12.92	13.08	14.00	20.43	20.38	20.44	21.00



Band 2												
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	15.02	15.13	15.08	17	0				
20	QPSK	1	49	15.33	15.63	15.48						
20	QPSK	1	99	15.01	15.03	15.02						
20	QPSK	50	0	14.20	14.30	14.23						
20	QPSK	50	24	14.20	14.32	14.18	16	1				
20	QPSK	50	50	14.05	14.16	14.06						
20	QPSK	100	0	14.24	14.26	14.17						
20	16QAM	1	0	14.58	14.72	14.65						
20	16QAM	1	49	14.70	14.79	14.72	16	1				
20	16QAM	1	99	14.65	14.76	14.69						
20	16QAM	50	0	13.27	13.28	13.13						
20	16QAM	50	24	13.18	13.27	13.12						
20	16QAM	50	50	13.19	13.23	13.12	15	2				
20	16QAM	100	0	13.19	13.30	13.28						
20	64QAM	1	0	13.09	13.22	13.11						
20	64QAM	1	49	13.57	13.67	13.58						
20	64QAM	1	99	13.10	13.23	13.10	15	2				
20	64QAM	50	0	12.09	12.22	12.14						
20	64QAM	50	24	12.11	12.26	12.21						
20	64QAM	50	50	12.15	12.22	12.17						
20	64QAM	100	0	12.12	12.28	12.26	14	3				
Channel												
Frequency (MHz)												
15	QPSK	1	0	15.06	15.08	15.07			17	0		
15	QPSK	1	37	15.59	15.81	15.59						
15	QPSK	1	74	15.01	15.00	14.99						
15	QPSK	36	0	14.20	14.17	14.29						
15	QPSK	36	20	14.31	14.31	14.21	16	1				
15	QPSK	36	39	14.18	14.13	14.12						
15	QPSK	75	0	14.18	14.13	14.22						
15	16QAM	1	0	14.59	14.67	14.62						
15	16QAM	1	37	14.73	14.65	14.76	16	1				
15	16QAM	1	74	14.70	14.63	14.73						
15	16QAM	36	0	13.19	13.19	13.21						
15	16QAM	36	20	13.23	13.14	13.13						
15	16QAM	36	39	13.22	13.13	13.12	15	2				
15	16QAM	75	0	13.19	13.23	13.16						
15	64QAM	1	0	13.13	13.14	13.11						
15	64QAM	1	37	13.82	13.55	13.65						
15	64QAM	1	74	13.20	13.10	13.19	15	2				
15	64QAM	36	0	12.20	12.21	12.14						
15	64QAM	36	20	12.18	12.25	12.23						
15	64QAM	36	39	12.21	12.14	12.15						
15	64QAM	75	0	12.19	12.18	12.25	14	3				
Channel												
Frequency (MHz)												
10	QPSK	1	0	15.08	15.12	14.99			17	0		
10	QPSK	1	25	15.59	15.56	15.49						
10	QPSK	1	49	14.98	14.90	14.92						
10	QPSK	25	0	14.23	14.20	14.28						
10	QPSK	25	12	14.19	14.26	14.28	16	1				
10	QPSK	25	25	14.12	14.10	14.08						
10	QPSK	50	0	14.19	14.12	14.12						
10	16QAM	1	0	14.71	14.59	14.61						
10	16QAM	1	25	14.72	14.65	14.68	16	1				
10	16QAM	1	49	14.74	14.67	14.68						
10	16QAM	25	0	13.20	13.14	13.18						
10	16QAM	25	12	13.17	13.25	13.17						
10	16QAM	25	25	13.22	13.19	13.18	15	2				
10	16QAM	50	0	13.27	13.27	13.28						
10	64QAM	1	0	13.10	13.11	13.11						
10	64QAM	1	25	13.55	13.54	13.57						
10	64QAM	1	49	13.09	13.14	13.17	15	2				
10	64QAM	25	0	12.14	12.21	12.19						
10	64QAM	25	12	12.25	12.19	12.25						
10	64QAM	25	25	12.21	12.12	12.14						
10	64QAM	50	0	12.23	12.24	12.25	14	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	15.01	15.10	15.11			17	0		
5	QPSK	1	12	15.56	15.59	15.52						
5	QPSK	1	24	14.93	14.97	14.95						
5	QPSK	12	0	14.19	14.27	14.27						
5	QPSK	12	7	14.26	14.26	14.30	16	1				
5	QPSK	12	13	14.06	14.11	14.01						
5	QPSK	25	0	14.11	14.24	14.25						
5	16QAM	1	0	14.58	14.57	14.66						
5	16QAM	1	12	14.72	14.74	14.68	16	1				
5	16QAM	1	24	14.69	14.69	14.71						
5	16QAM	12	0	13.14	13.20	13.23						
5	16QAM	12	7	13.17	13.24	13.24						
5	16QAM	12	13	13.16	13.13	13.19	15	2				
5	16QAM	25	0	13.29	13.15	13.27						
5	64QAM	1	0	13.21	13.12	13.09						
5	64QAM	1	12	13.56	13.56	13.55						
5	64QAM	1	24	13.08	13.08	13.10	15	2				
5	64QAM	12	0	12.18	12.12	12.16						
5	64QAM	12	7	12.21	12.22	12.18						
5	64QAM	12	13	12.18	12.12	12.19						
5	64QAM	25	0	12.21	12.19	12.18	14	3				
Channel												
Frequency (MHz)												
3	QPSK	1	0	15.03	15.05	15.11			17	0		
3	QPSK	1	8	15.62	15.57	15.49						
3	QPSK	1	14	14.92	15.02	14.89						
3	QPSK	8	0	14.23	14.24	14.19						
3	QPSK	8	4	14.30	14.21	14.25	16	1				
3	QPSK	8	7	14.04	14.07	14.06						
3	QPSK	15	0	14.21	14.17	14.17						
3	16QAM	1	0	14.70	14.71	14.67						
3	16QAM	1	8	14.77	14.77	14.78	16	1				
3	16QAM	1	14	14.73	14.67	14.67						
3	16QAM	8	0	13.14	13.16	13.16						
3	16QAM	8	4	13.21	13.19	13.21						
3	16QAM	8	7	13.09	13.11	13.11	15	2				
3	16QAM	15	0	13.24	13.29	13.18						
3	64QAM	1	0	13.17	13.13	13.10						
3	64QAM	1	8	13.57	13.58	13.59						
3	64QAM	1	14	13.19	13.08	13.22	15	2				
3	64QAM	8	0	12.21	12.12	12.15						
3	64QAM	8	4	12.23	12.24	12.22						
3	64QAM	8	7	12.13	12.13	12.12						
3	64QAM	15	0	12.23	12.22	12.26	14	3				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	15.22	15.61	15.41			17	0		
1.4	QPSK	1	3	15.29	15.57	15.47						
1.4	QPSK	1	5	15.26	15.61	15.42						
1.4	QPSK	3	0	15.23	15.59	15.45						
1.4	QPSK	3	1	15.23	15.59	15.39	16	1				
1.4	QPSK	3	3	15.26	15.54	15.40						
1.4	QPSK	6	0	14.20	14.16	14.16						
1.4	16QAM	1	0	14.14	14.16	14.11						
1.4	16QAM	1	3	14.15	14.14	14.08	16	1				
1.4	16QAM	1	5	14.13	14.17	14.17						
1.4	16QAM	3	0	14.16	14.23	14.08						
1.4	16QAM	3	1	14.18	14.14	14.09						
1.4	16QAM	3	3	14.14	14.22	14.14	15	2				
1.4	16QAM	6	0	13.48	13.54	13.56						
1.4	64QAM	1	0	13.53	13.48	13.54						
1.4	64QAM	1	3	13.53	13.47	13.49						
1.4	64QAM	1	5	13.56	13.47	13.48	15	2				
1.4	64QAM	3	0	13.49	13.55	13.46						
1.4	64QAM	3	1	13.49	13.47	13.49						
1.4	64QAM	3	3	13.50	13.50	13.54						
1.4	64QAM	6	0	12.20	12.20	12.12	14	3				

Band 5										
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)										
10	QPSK	1	0	22.04	22.11	22.00	23.5	0		
10	QPSK	1	25	22.08	22.21	22.14				
10	QPSK	1	49	22.14	22.19	22.08				
10	QPSK	25	0	21.16	21.18	21.11				
10	QPSK	25	12	21.05	21.10	21.01	23	0.5		
10	QPSK	25	25	21.05	21.07	21.03				
10	QPSK	50	0	21.09	21.14	21.05				
10	16QAM	1	0	21.16	21.17	21.05				
10	16QAM	1	25	21.30	21.45	21.32	23	0.5		
10	16QAM	1	49	21.06	21.12	21.10				
10	16QAM	25	0	20.14	20.17	20.13				
10	16QAM	25	12	20.16	20.19	20.08				
10	16QAM	25	25	20.15	20.21	20.07	22	1.5		
10	16QAM	50	0	20.11	20.26	20.18				
10	64QAM	1	0	20.13	20.21	20.15				
10	64QAM	1	25	20.35	20.36	20.33				
10	64QAM	1	49	20.03	20.16	20.12	22	1.5		
10	64QAM	25	0	19.03	19.13	19.04				
10	64QAM	25	12	19.08	19.14	19.11				
10	64QAM	25	25	19.						



Band 38										
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)				2880	2956	2810				
20	QPSK	1	0	14.76	14.91	14.84				
20	QPSK	1	49	14.81	14.95	14.87	16	0		
20	QPSK	1	99	14.86	14.99	14.79				
20	QPSK	50	0	13.56	13.70	13.63				
20	QPSK	50	24	13.66	13.67	13.64				
20	QPSK	50	50	13.64	13.66	13.62	15	1		
20	QPSK	100	0	13.61	13.73	13.67				
20	16QAM	1	0	13.97	14.01	13.96				
20	16QAM	1	49	14.00	14.02	14.01	15	1		
20	16QAM	1	99	13.98	13.98	13.94				
20	16QAM	50	0	12.56	12.67	12.54				
20	16QAM	50	24	12.52	12.66	12.58				
20	16QAM	50	50	12.62	12.63	12.50	14	2		
20	16QAM	100	0	12.71	12.76	12.64				
20	64QAM	1	0	12.67	12.71	12.66				
20	64QAM	1	49	12.64	12.72	12.71	14	2		
20	64QAM	1	99	12.59	12.68	12.66				
20	64QAM	50	0	11.65	11.71	11.70				
20	64QAM	50	24	11.65	11.67	11.66				
20	64QAM	50	50	11.63	11.73	11.67	13	3		
20	64QAM	100	0	11.73	11.75	11.69				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	14.90	14.80	14.83				
15	QPSK	1	37	14.85	14.88	14.88	16	0		
15	QPSK	1	74	14.76	14.79	14.79				
15	QPSK	36	0	13.53	13.55	13.55				
15	QPSK	36	20	13.57	13.69	13.62	15	1		
15	QPSK	36	39	13.65	13.53	13.55				
15	QPSK	75	0	13.60	13.59	13.70				
15	16QAM	1	0	13.93	13.91	13.96				
15	16QAM	1	37	14.01	13.91	13.87	15	1		
15	16QAM	1	74	13.88	13.83	13.83				
15	16QAM	36	0	12.67	12.55	12.67				
15	16QAM	36	20	12.56	12.60	12.57	14	2		
15	16QAM	36	39	12.53	12.55	12.50				
15	16QAM	75	0	12.73	12.64	12.67				
15	64QAM	1	0	12.67	12.62	12.67				
15	64QAM	1	37	12.60	12.69	12.69	14	2		
15	64QAM	1	74	12.64	12.62	12.58				
15	64QAM	36	0	11.62	11.62	11.61				
15	64QAM	36	20	11.64	11.62	11.66				
15	64QAM	36	39	11.68	11.65	11.69	13	3		
15	64QAM	75	0	11.69	11.68	11.69				
Channel				37800	38000	38200				
Frequency (MHz)				2577.5	2595	2617.5				
10	QPSK	1	0	14.67	14.84	14.82				
10	QPSK	1	25	14.83	14.87	14.92	16	0		
10	QPSK	1	49	14.75	14.75	14.77				
10	QPSK	25	0	13.61	13.58	13.63				
10	QPSK	25	12	13.68	13.60	13.68	15	1		
10	QPSK	25	25	13.62	13.63	13.63				
10	QPSK	50	0	13.65	13.70	13.62				
10	16QAM	1	0	13.99	13.93	13.98				
10	16QAM	1	25	13.97	13.93	13.89	15	1		
10	16QAM	1	49	13.94	13.88	13.83				
10	16QAM	25	0	12.60	12.54	12.59				
10	16QAM	25	12	12.54	12.53	12.51	14	2		
10	16QAM	25	25	12.50	12.50	12.51				
10	16QAM	50	0	12.63	12.71	12.71				
10	64QAM	1	0	12.60	12.64	12.70				
10	64QAM	1	25	12.71	12.57	12.67	14	2		
10	64QAM	1	49	12.57	12.58	12.58				
10	64QAM	25	0	11.66	11.65	11.68				
10	64QAM	25	12	11.64	11.60	11.62				
10	64QAM	25	25	11.69	11.70	11.72	13	3		
10	64QAM	50	0	11.66	11.72	11.70				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	14.85	14.86	14.84				
5	QPSK	1	12	14.81	14.87	14.82	16	0		
5	QPSK	1	24	14.94	14.85	14.85				
5	QPSK	12	0	13.54	13.57	13.55				
5	QPSK	12	7	13.62	13.63	13.65				
5	QPSK	12	13	13.64	13.57	13.56	15	1		
5	QPSK	25	0	13.71	13.59	13.58				
5	16QAM	1	0	13.89	13.91	13.87				
5	16QAM	1	12	13.87	13.94	13.99	15	1		
5	16QAM	1	24	13.96	13.92	13.97				
5	16QAM	12	0	12.64	12.66	12.66				
5	16QAM	12	7	12.56	12.58	12.58	14	2		
5	16QAM	12	13	12.58	12.52	12.60				
5	16QAM	25	0	12.74	12.61	12.64				
5	64QAM	1	0	12.58	12.58	12.64				
5	64QAM	1	12	12.67	12.58	12.63	14	2		
5	64QAM	1	24	12.57	12.55	12.67				
5	64QAM	12	0	11.70	11.70	11.64				
5	64QAM	12	7	11.58	11.66	11.58				
5	64QAM	12	13	11.72	11.72	11.64	13	3		
5	64QAM	25	0	11.67	11.69	11.69				

Band 41										
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				40140	40400	40670				
Frequency (MHz)				2945	2971	2986				
20	QPSK	1	0	15.47	15.48	15.35				
20	QPSK	1	49	15.46	15.58	15.54	16	0		
20	QPSK	1	99	15.48	15.53	15.43				
20	QPSK	50	0	14.28	14.33	14.32				
20	QPSK	50	24	14.28	14.28	14.22				
20	QPSK	50	50	14.28	14.31	14.19	15	1		
20	QPSK	100	0	14.23	14.38	14.28				
20	16QAM	1	0	14.49	14.61	14.56				
20	16QAM	1	49	14.60	14.65	14.52	15	1		
20	16QAM	1	99	14.45	14.59	14.46				
20	16QAM	50	0	13.21	13.28	13.17				
20	16QAM	50	24	13.23	13.33	13.26				
20	16QAM	50	50	13.19	13.31	13.20	14	2		
20	16QAM	100	0	13.23	13.37	13.36				
20	64QAM	1	0	13.29	13.30	13.25				
20	64QAM	1	49	13.35	13.38	13.30	14	2		
20	64QAM	1	99	13.30	13.32	13.18				
20	64QAM	50	0	12.22	12.28	12.19				
20	64QAM	50	24	12.16	12.23	12.16				
20	64QAM	50	50	12.30	12.31	12.22	13	3		
20	64QAM	100	0	12.32	12.33	12.30				
Channel				40116	40325	40655				
Frequency (MHz)				2842.5	2870.5	2899.5				
15	QPSK	1	0	15.38	15.46	15.38				
15	QPSK	1	37	15.44	15.52	15.44	16	0		
15	QPSK	1	74	15.49	15.48	15.40				
15	QPSK	36	0	14.24	14.29	14.19				
15	QPSK	36	20	14.19	14.26	14.16	15	1		
15	QPSK	36	39	14.22	14.17	14.30				
15	QPSK	75	0	14.36	14.28	14.34				
15	16QAM	1	0	14.47	14.50	14.48				
15	16QAM	1	37	14.60	14.59	14.54	15	1		
15	16QAM	1	74	14.50	14.50	14.58				
15	16QAM	36	0	13.14	13.26	13.17				
15	16QAM	36	20	13.24	13.29	13.19	14	2		
15	16QAM	36	39	13.18	13.26	13.25				
15	16QAM	75								



Reduced Power For Hotspot On

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.99	32.83	32.85	33.50	23.99	23.83	23.85	24.50
GPRS 1 Tx slot	32.95	32.78	32.83	33.50	23.95	23.78	23.83	24.50
GPRS 2 Tx slots	32.18	31.97	32.07	32.50	26.18	25.97	26.07	26.50
GPRS 3 Tx slots	30.37	30.20	30.31	31.00	26.11	25.94	26.05	26.74
GPRS 4 Tx slots	29.24	29.10	29.14	30.00	26.24	26.10	26.14	27.00
EDGE 1 Tx slot	27.24	27.23	27.05	28.00	18.24	18.23	18.05	19.00
EDGE 2 Tx slots	26.05	26.06	25.89	26.50	20.05	20.06	19.89	20.50
EDGE 3 Tx slots	23.87	23.75	23.43	24.50	19.61	19.49	19.17	20.24
EDGE 4 Tx slots	22.36	22.38	22.26	23.00	19.36	19.38	19.26	20.00

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	24.72	24.69	24.71	25.50	15.72	15.69	15.71	16.50
GPRS 1 Tx slot	24.73	24.68	24.67	25.50	15.73	15.68	15.67	16.50
GPRS 2 Tx slots	24.01	24.03	24.08	25.00	18.01	18.03	18.08	19.00
GPRS 3 Tx slots	22.09	22.09	22.05	23.00	17.83	17.83	17.79	18.74
GPRS 4 Tx slots	21.00	21.04	21.10	22.00	18.00	18.04	18.10	19.00
EDGE 1 Tx slot	21.31	21.06	21.10	21.50	12.31	12.06	12.10	12.50
EDGE 2 Tx slots	20.32	20.07	19.99	20.50	14.32	14.07	13.99	14.50
EDGE 3 Tx slots	18.38	18.09	18.07	19.00	14.12	13.83	13.81	14.74
EDGE 4 Tx slots	17.22	17.12	16.89	18.00	14.22	14.12	13.89	15.00

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	15.01	14.89	15.21	16.50	22.68	22.70	22.68	24.00
3GPP Rel 99	RMC 12.2Kbps	15.06	14.93	15.25	16.50	22.75	22.77	22.73	24.00
3GPP Rel 6	HSDPA Subtest-1	13.80	13.92	14.14	15.50	21.97	21.94	21.85	23.00
3GPP Rel 6	HSDPA Subtest-2	13.88	13.81	14.03	15.50	21.83	21.73	21.69	23.00
3GPP Rel 6	HSDPA Subtest-3	13.43	13.31	13.54	15.00	21.34	21.25	21.22	22.50
3GPP Rel 6	HSDPA Subtest-4	13.47	13.24	13.47	15.00	21.34	21.23	21.18	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	13.96	13.87	14.01	15.50	21.82	21.78	21.76	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	13.92	13.84	13.97	15.50	21.81	21.71	21.63	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	13.28	13.16	13.50	15.00	21.28	21.21	21.20	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	13.41	13.19	13.54	15.00	21.29	21.22	21.16	22.50
3GPP Rel 6	HSUPA Subtest-1	12.00	11.89	12.26	13.50	19.93	19.87	19.81	21.00
3GPP Rel 6	HSUPA Subtest-2	12.11	11.80	12.22	13.50	19.91	19.88	19.77	21.00
3GPP Rel 6	HSUPA Subtest-3	12.97	12.90	13.29	14.00	20.86	20.81	20.84	21.50
3GPP Rel 6	HSUPA Subtest-4	11.55	11.31	11.83	13.00	19.37	19.38	19.35	20.50
3GPP Rel 6	HSUPA Subtest-5	12.98	12.81	13.28	14.00	20.80	20.80	20.70	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	12.48	12.39	12.60	13.50	20.43	20.38	20.44	21.00



Band 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	14.79	14.88	14.76	16.5	0				
20	QPSK	1	49	14.78	14.90	14.76						
20	QPSK	1	99	14.77	14.83	14.76						
20	QPSK	50	0	13.75	13.81	13.80						
20	QPSK	50	24	13.76	13.78	13.77	15.5	1				
20	QPSK	50	50	13.74	13.77	13.70						
20	QPSK	100	0	13.60	13.70	13.65						
20	16QAM	1	0	14.24	14.30	14.23						
20	16QAM	1	49	14.18	14.31	14.23	15.5	1				
20	16QAM	1	99	14.17	14.26	14.17						
20	16QAM	50	0	12.79	12.83	12.72						
20	16QAM	50	24	12.70	12.81	12.66						
20	16QAM	50	50	12.66	12.78	12.70	14.5	2				
20	16QAM	100	0	12.73	12.77	12.71						
20	64QAM	1	0	13.07	13.08	13.08						
20	64QAM	1	49	13.08	13.13	13.00						
20	64QAM	1	99	13.10	13.11	13.00	14.5	2				
20	64QAM	50	0	11.81	11.88	11.78						
20	64QAM	50	24	11.70	11.73	11.69						
20	64QAM	50	50	11.70	11.78	11.77						
20	64QAM	100	0	11.70	11.76	11.70	13.5	3				
Channel												
Frequency (MHz)												
15	QPSK	1	0	14.74	14.78	14.78			16.5	0		
15	QPSK	1	37	14.81	14.77	14.78						
15	QPSK	1	74	14.72	14.81	14.73						
15	QPSK	36	0	13.66	13.80	13.78						
15	QPSK	36	20	13.75	13.63	13.73	15.5	1				
15	16QAM	36	39	12.76	12.67	12.69						
15	QPSK	75	0	13.69	13.73	13.66						
15	16QAM	1	0	14.18	14.28	14.25						
15	16QAM	1	37	14.22	14.17	14.30	15.5	1				
15	16QAM	1	74	14.18	14.19	14.19						
15	16QAM	36	0	12.71	12.75	12.68						
15	16QAM	36	20	12.77	12.75	12.76						
15	16QAM	36	39	12.76	12.67	12.69	14.5	2				
15	16QAM	75	0	12.74	12.74	12.71						
15	64QAM	1	0	13.03	12.97	13.01						
15	64QAM	1	37	13.00	13.08	13.06						
15	64QAM	1	74	12.99	13.10	12.98	14.5	2				
15	64QAM	36	0	11.87	11.79	11.81						
15	64QAM	36	20	11.67	11.71	11.66						
15	64QAM	36	39	11.76	11.77	11.77						
15	64QAM	75	0	11.72	11.74	11.67	13.5	3				
Channel												
Frequency (MHz)												
10	QPSK	1	0	14.75	14.73	14.82			16.5	0		
10	QPSK	1	25	14.82	14.87	14.80						
10	QPSK	1	49	14.74	14.75	14.77						
10	QPSK	25	0	13.72	13.74	13.77						
10	QPSK	25	12	13.68	13.75	13.64	15.5	1				
10	QPSK	25	25	13.71	13.70	13.66						
10	QPSK	50	0	13.64	13.68	13.72						
10	16QAM	1	0	14.21	14.17	14.28						
10	16QAM	1	25	14.18	14.26	14.26	15.5	1				
10	16QAM	1	49	14.27	14.14	14.24						
10	16QAM	25	0	12.68	12.72	12.69						
10	16QAM	25	12	12.79	12.74	12.80						
10	16QAM	25	12	12.76	12.74	12.69	14.5	2				
10	16QAM	50	0	12.68	12.72	12.70						
10	64QAM	1	0	13.06	12.99	13.06						
10	64QAM	1	25	13.06	13.12	13.10						
10	64QAM	1	49	12.97	13.05	13.08	14.5	2				
10	64QAM	25	0	11.80	11.86	11.79						
10	64QAM	25	12	11.69	11.68	11.69						
10	64QAM	25	25	11.71	11.79	11.75						
10	64QAM	50	0	11.73	11.74	11.73	13.5	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	14.83	14.83	14.82			16.5	0		
5	QPSK	1	12	14.84	14.86	14.78						
5	QPSK	1	24	14.82	14.70	14.75						
5	QPSK	12	0	13.72	13.76	13.73						
5	QPSK	12	13	13.70	13.76	13.71	15.5	1				
5	QPSK	12	13	13.72	13.70	13.72						
5	QPSK	25	0	13.65	13.62	13.71						
5	16QAM	1	0	14.17	14.24	14.18						
5	16QAM	1	12	14.18	14.20	14.30	15.5	1				
5	16QAM	1	24	14.18	14.24	14.22						
5	16QAM	12	0	12.74	12.69	12.76						
5	16QAM	12	7	12.76	12.76	12.72						
5	16QAM	12	13	12.71	12.72	12.68	14.5	2				
5	16QAM	25	0	12.70	12.66	12.74						
5	64QAM	1	0	12.94	12.96	12.97						
5	64QAM	1	12	13.10	13.00	13.12						
5	64QAM	1	24	13.10	12.96	12.96	14.5	2				
5	64QAM	12	0	11.84	11.78	11.80						
5	64QAM	12	7	11.85	11.84	11.80						
5	64QAM	12	13	11.71	11.74	11.68						
5	64QAM	25	0	11.68	11.72	11.67	13.5	3				
Channel												
Frequency (MHz)												
3	QPSK	1	0	14.86	14.73	14.84			16.5	0		
3	QPSK	1	8	14.75	14.89	14.89						
3	QPSK	1	14	14.82	14.74	14.75						
3	QPSK	8	0	13.77	13.79	13.69						
3	QPSK	8	4	13.74	13.71	13.68	15.5	1				
3	QPSK	8	7	13.64	13.65	13.72						
3	QPSK	15	0	13.66	13.69	13.72						
3	16QAM	1	0	14.19	14.18	14.20						
3	16QAM	1	8	14.21	14.17	14.26	15.5	1				
3	16QAM	1	14	14.22	14.16	14.13						
3	16QAM	8	0	12.73	12.73	12.79						
3	16QAM	8	4	12.72	12.66	12.70						
3	16QAM	8	7	12.71	12.73	12.68	14.5	2				
3	16QAM	15	0	12.72	12.64	12.75						
3	64QAM	1	0	13.02	12.97	12.97						
3	64QAM	1	8	13.04	12.99	13.08						
3	64QAM	1	14	13.02	13.07	13.04	14.5	2				
3	64QAM	8	0	11.87	11.84	11.80						
3	64QAM	8	7	11.85	11.84	11.70						
3	64QAM	8	7	11.75	11.69	11.69						
3	64QAM	15	0	11.74	11.70	11.72	13.5	3				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	14.70	14.85	14.69			16.5	0		
1.4	QPSK	1	3	14.68	14.86	14.65						
1.4	QPSK	1	5	14.70	14.89	14.72						
1.4	QPSK	3	0	14.71	14.85	14.70						
1.4	QPSK	3	1	14.72	14.85	14.66	15.5	1				
1.4	QPSK	3	3	14.74	14.85	14.72						
1.4	QPSK	6	0	13.68	13.80	13.74						
1.4	16QAM	1	0	13.74	13.71	13.73						
1.4	16QAM	1	3	13.65	13.73	13.71	15.5	1				
1.4	16QAM	1	5	13.67	13.71	13.73						
1.4	16QAM	3	0	13.86	13.72	13.74						
1.4	16QAM	3	1	13.73	13.71	13.74						
1.4	16QAM	3	3	13.72	13.70	13.78	14.5	2				
1.4	16QAM	6	0	12.67	12.76	12.60						
1.4	64QAM	1	0	12.59	12.79	12.64						
1.4	64QAM	1	3	12.65	12.70	12.59						
1.4	64QAM	1	5	12.66	12.74	12.64	14.5	2				
1.4	64QAM	3	0	12.62	12.70	12.65						
1.4	64QAM	3	1	12.63	12.72	12.59						
1.4	64QAM	3	3	12.62	12.72	12.55						
1.4	64QAM	6	0	11.73	11.78	11.68	13.5	3				

Band 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.04	22.11	22.00	23.5	0		
10	QPSK	1	25	22.08	22.21	22.14				
10	QPSK	1	49	22.14	22.19	22.08				
10	QPSK	25	0	21.16	21.18	21.11				
10	QPSK	25	12	21.05	21.10	21.01	23	0.5		
10	QPSK	25	25	21.05	21.07	21.03				
10	16QAM	50	0	21.09	21.14	21.05				
10	16QAM	1	0	21.16	21.17	21.05				
10	16QAM	1	25	21.30	21.45	21.32	23	0.5		
10	16QAM	1	49	21.06	21.12	21.10				
10	16QAM	25	0	20.14	20.17	20.13				
10	16QAM	25	12	20.16	20.19	20.08				
10	16QAM	25	25	20.15	20.21	20.07	22	1.5		
10	16QAM	50	0	20.11	20.26	20.18				
10	64QAM	1	0	20.13	20.21	20.15				
10	64QAM	1	25	20.35	20.36	20.33				
10	64QAM	1	49	20.03	20.16	20.12	22	1.5		
10	64QAM	25	0	19.03	19.13	19.04				
10	64QAM	25	12	19.08						



Band 38										
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	13.69	13.83	13.72				
20	QPSK	1	49	13.87	13.90	13.75	15	0		
20	QPSK	1	99	13.64	13.78	13.73				
20	QPSK	50	0	12.49	12.55	12.48				
20	QPSK	50	24	12.39	12.51	12.40				
20	QPSK	50	50	12.47	12.53	12.46	14	1		
20	QPSK	100	0	12.67	12.70	12.61				
20	16QAM	1	0	12.87	12.89	12.74				
20	16QAM	1	49	12.91	12.92	12.88	14	1		
20	16QAM	1	99	12.74	12.78	12.67				
20	16QAM	50	0	11.68	11.78	11.74				
20	16QAM	50	24	11.58	11.88	11.62				
20	16QAM	50	50	11.65	11.71	11.65	13	2		
20	16QAM	100	0	11.63	11.73	11.59				
20	64QAM	1	0	11.66	11.68	11.66				
20	64QAM	1	49	11.70	11.73	11.63	13	2		
20	64QAM	1	99	11.63	11.75	11.71				
20	64QAM	50	0	10.65	10.75	10.69				
20	64QAM	50	24	10.56	10.63	10.54				
20	64QAM	50	50	10.70	10.71	10.70	12	3		
20	64QAM	100	0	10.62	10.69	10.62				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	13.82	13.74	13.71				
15	QPSK	1	37	13.77	13.88	13.84	15	0		
15	QPSK	1	74	13.68	13.64	13.66				
15	QPSK	36	0	12.45	12.49	12.51				
15	QPSK	36	20	12.49	12.49	12.43	14	1		
15	QPSK	36	39	12.48	12.43	12.41				
15	QPSK	75	0	12.64	12.61	12.55				
15	16QAM	1	0	12.80	12.75	12.82				
15	16QAM	1	37	12.81	12.88	12.87	14	1		
15	16QAM	1	74	12.68	12.76	12.69				
15	16QAM	36	0	11.66	11.68	11.76				
15	16QAM	36	20	11.56	11.53	11.58				
15	16QAM	36	39	11.57	11.70	11.65	13	2		
15	16QAM	75	0	11.64	11.60	11.66				
15	64QAM	1	0	11.59	11.61	11.63				
15	64QAM	1	37	11.60	11.68	11.72	13	2		
15	64QAM	1	74	11.62	11.67	11.69				
15	64QAM	36	0	10.66	10.70	10.68				
15	64QAM	36	20	10.55	10.58	10.61				
15	64QAM	36	39	10.63	10.68	10.66	12	3		
15	64QAM	75	0	10.62	10.65	10.67				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	13.69	13.69	13.77				
10	QPSK	1	25	13.81	13.78	13.83	15	0		
10	QPSK	1	49	13.63	13.73	13.68				
10	QPSK	25	0	12.50	12.42	12.41				
10	QPSK	25	12	12.49	12.41	12.46	14	1		
10	QPSK	25	25	12.51	12.39	12.38				
10	QPSK	50	0	12.66	12.68	12.59				
10	16QAM	1	0	12.85	12.82	12.76				
10	16QAM	1	25	12.90	12.85	12.79	14	1		
10	16QAM	1	49	12.71	12.73	12.68				
10	16QAM	25	0	11.73	11.69	11.71				
10	16QAM	25	12	11.59	11.53	11.60	13	2		
10	16QAM	25	25	11.56	11.61	11.62				
10	16QAM	50	0	11.63	11.67	11.62				
10	64QAM	1	0	11.53	11.55	11.61				
10	64QAM	1	25	11.59	11.59	11.71	13	2		
10	64QAM	1	49	11.63	11.69	11.61				
10	64QAM	25	0	10.67	10.71	10.70				
10	64QAM	25	12	10.61	10.62	10.60				
10	64QAM	25	25	10.63	10.61	10.61	12	3		
10	64QAM	50	0	10.66	10.59	10.61				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	13.81	13.71	13.78				
5	QPSK	1	12	13.80	13.76	13.87	15	0		
5	QPSK	1	24	13.74	13.69	13.67				
5	QPSK	12	0	12.45	12.53	12.52				
5	QPSK	12	7	12.49	12.44	12.49				
5	QPSK	12	13	12.46	12.42	12.42	14	1		
5	QPSK	25	0	12.55	12.60	12.69				
5	16QAM	1	0	12.83	12.86	12.82				
5	16QAM	1	12	12.84	12.79	12.81	14	1		
5	16QAM	1	24	12.64	12.73	12.68				
5	16QAM	12	0	11.68	11.67	11.64				
5	16QAM	12	7	11.54	11.60	11.54				
5	16QAM	12	13	11.70	11.68	11.59	13	2		
5	16QAM	25	0	11.63	11.66	11.72				
5	64QAM	1	0	11.56	11.53	11.63				
5	64QAM	1	12	11.72	11.68	11.72	13	2		
5	64QAM	1	24	11.67	11.71	11.69				
5	64QAM	12	0	10.67	10.65	10.65				
5	64QAM	12	7	10.56	10.56	10.56				
5	64QAM	12	13	10.64	10.63	10.69	12	3		
5	64QAM	25	0	10.60	10.64	10.59				

Band 41										
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				40140	40400	40670				
Frequency (MHz)				2545	2571	2598				
20	QPSK	1	0	14.39	14.50	14.48				
20	QPSK	1	49	14.46	14.52	14.51	15	0		
20	QPSK	1	99	14.39	14.48	14.35				
20	QPSK	50	0	13.25	13.28	13.27				
20	QPSK	50	24	13.20	13.23	13.10				
20	QPSK	50	50	13.13	13.19	13.14	14	1		
20	QPSK	100	0	13.27	13.35	13.25				
20	16QAM	1	0	13.29	13.32	13.31				
20	16QAM	1	49	13.50	13.57	13.54	14	1		
20	16QAM	1	99	13.50	13.52	13.44				
20	16QAM	50	0	12.40	12.43	12.34				
20	16QAM	50	24	12.29	12.39	12.25				
20	16QAM	50	50	12.26	12.38	12.32	13	2		
20	16QAM	100	0	12.18	12.32	12.17				
20	64QAM	1	0	12.19	12.28	12.22				
20	64QAM	1	49	12.27	12.31	12.30	13	2		
20	64QAM	1	99	12.31	12.33	12.29				
20	64QAM	50	0	11.43	11.45	11.36				
20	64QAM	50	24	11.26	11.35	11.25				
20	64QAM	50	50	11.30	11.38	11.29	12	3		
20	64QAM	100	0	11.24	11.33	11.26				
Channel				40115	40325	40535				
Frequency (MHz)				2542.5	2570.5	2599.5				
15	QPSK	1	0	14.36	14.47	14.35				
15	QPSK	1	37	14.41	14.43	14.38	15	0		
15	QPSK	1	74	14.33	14.41	14.34				
15	QPSK	36	0	13.26	13.23	13.19				
15	QPSK	36	20	13.08	13.08	13.20	14	1		
15	QPSK	36	39	13.10	13.10	13.05				
15	QPSK	75	0	13.21	13.25	13.24				
15	16QAM	1	0	13.21	13.26	13.26				
15	16QAM	1	37	13.43	13.54	13.56	14	1		
15	16QAM	1	74	13.42	13.47	13.40				
15	16QAM	36	0	12.42	12.39	12.33				
15	16QAM	36	20	12.27	12.32	12.33	13	2		
15	16QAM	36	39	12.25	12.35	12.36				
15	16QAM	75	0							



Reduced Power For Handheld On

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		824.2	836.4	848.8	
GSM 1 Tx slot	32.99	32.83	32.85	33.50	23.99	23.83	23.85	24.50
GPRS 1 Tx slot	32.95	32.78	32.83	33.50	23.95	23.78	23.83	24.50
GPRS 2 Tx slots	32.18	31.97	32.07	32.50	26.18	25.97	26.07	26.50
GPRS 3 Tx slots	30.37	30.20	30.31	31.00	26.11	25.94	26.05	26.74
GPRS 4 Tx slots	29.24	29.10	29.14	30.00	26.24	26.10	26.14	27.00
EDGE 1 Tx slot	27.24	27.23	27.05	28.00	18.24	18.23	18.05	19.00
EDGE 2 Tx slots	26.05	26.08	25.89	26.50	20.05	20.08	19.89	20.50
EDGE 3 Tx slots	23.87	23.75	23.43	24.50	19.61	19.49	19.17	20.24
EDGE 4 Tx slots	22.36	22.38	22.26	23.00	19.36	19.38	19.26	20.00

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		1850.2	1880	1909.8	
GSM 1 Tx slot	29.61	29.65	29.67	30.50	20.61	20.65	20.67	21.50
GPRS 1 Tx slot	29.60	29.66	29.66	30.50	20.60	20.66	20.66	21.50
GPRS 2 Tx slots	28.86	28.90	28.92	30.00	22.86	22.90	22.92	24.00
GPRS 3 Tx slots	27.16	27.15	27.20	28.00	22.90	22.89	22.94	23.74
GPRS 4 Tx slots	26.08	26.05	26.09	27.00	23.08	23.05	23.09	24.00
EDGE 1 Tx slot	26.36	26.14	26.15	26.50	17.36	17.14	17.15	17.50
EDGE 2 Tx slots	25.42	25.15	25.07	25.50	19.42	19.15	19.07	19.50
EDGE 3 Tx slots	23.43	23.18	23.13	24.00	19.17	18.92	18.87	19.74
EDGE 4 Tx slots	22.25	22.15	21.98	23.00	19.25	19.15	18.98	20.00

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9262	9400	9538		4132	4182	4233	
Rx Channel	9662	9800	9938		4367	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	18.48	18.33	18.69	20.00	22.68	22.70	22.68	24.00
3GPP Rel 99 AMR 12.2Kbps	18.50	18.39	18.71	20.00	22.75	22.77	22.73	24.00
3GPP Rel 6 HSDPA Subtest-1	17.48	17.38	17.65	19.00	21.97	21.94	21.85	23.00
3GPP Rel 6 HSDPA Subtest-2	17.44	17.33	17.58	19.00	21.83	21.73	21.69	23.00
3GPP Rel 6 HSDPA Subtest-3	16.92	16.77	16.99	18.50	21.34	21.25	21.22	22.50
3GPP Rel 6 HSDPA Subtest-4	16.87	16.71	16.98	18.50	21.34	21.23	21.18	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	17.38	17.31	17.48	19.00	21.82	21.78	21.76	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	17.40	17.30	17.52	19.00	21.81	21.71	21.63	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	16.83	16.69	16.97	18.50	21.28	21.21	21.20	22.50
3GPP Rel 8 DC-HSDPA Subtest-4	16.88	16.70	17.02	18.50	21.29	21.22	21.16	22.50
3GPP Rel 6 HSUPA Subtest-1	15.46	15.45	15.81	17.00	19.93	19.87	19.81	21.00
3GPP Rel 6 HSUPA Subtest-2	15.54	15.31	15.74	17.00	19.91	19.88	19.77	21.00
3GPP Rel 6 HSUPA Subtest-3	16.48	16.44	16.74	17.50	20.86	20.81	20.84	21.50
3GPP Rel 6 HSUPA Subtest-4	15.08	14.75	15.24	16.50	19.37	19.38	19.35	20.50
3GPP Rel 6 HSUPA Subtest-5	16.46	16.34	16.79	17.50	20.80	20.80	20.70	21.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	15.94	15.89	16.02	17.00	20.43	20.38	20.44	21.00



Band 2									
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	18.77	18.83	18.71	20.5	0	
20	QPSK	1	49	18.87	18.88	18.82			
20	QPSK	1	99	18.82	18.85	18.83			
20	QPSK	50	0	17.74	17.75	17.68			
20	QPSK	50	24	17.71	17.73	17.81	19.5	1	
20	QPSK	50	50	17.60	17.83	17.60			
20	QPSK	100	0	17.64	17.69	17.64			
20	16QAM	1	0	18.19	18.21	18.07			
20	16QAM	1	49	18.19	18.25	18.24	19.5	1	
20	16QAM	1	99	18.12	18.18	18.03			
20	16QAM	50	0	16.56	16.67	16.64			
20	16QAM	50	24	16.68	16.73	16.58			
20	16QAM	50	50	16.67	16.71	16.64	18.5	2	
20	16QAM	100	0	16.70	16.75	16.64			
20	64QAM	1	0	16.99	17.09	17.04			
20	64QAM	1	49	17.04	17.11	16.97			
20	64QAM	1	99	16.94	17.08	16.97	18.5	2	
20	64QAM	50	0	15.65	15.68	15.60			
20	64QAM	50	24	15.56	15.66	15.57			
20	64QAM	50	50	15.61	15.70	15.65			
20	64QAM	100	0	15.69	15.71	15.61	17.5	3	
20	64QAM	100	24	15.69	15.71	15.61			
20	64QAM	100	50	15.69	15.71	15.61			
20	64QAM	100	0	15.69	15.71	15.61			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.79	18.78	18.78	20.5	0	
15	QPSK	1	37	18.75	18.84	18.74			
15	QPSK	1	74	18.77	18.75	18.76			
15	QPSK	36	0	17.68	17.70	17.67			
15	QPSK	36	20	17.60	17.64	17.72	19.5	1	
15	QPSK	36	39	17.56	17.54	17.61			
15	QPSK	75	0	17.57	17.64	17.55			
15	16QAM	1	0	18.12	18.12	18.09			
15	16QAM	1	37	18.02	18.04	18.11	19.5	1	
15	16QAM	1	74	18.08	18.08	18.11			
15	16QAM	36	0	16.64	16.61	16.66			
15	16QAM	36	20	16.58	16.59	16.64			
15	16QAM	36	39	16.65	16.62	16.70	18.5	2	
15	16QAM	75	0	16.62	16.73	16.68			
15	64QAM	1	0	17.02	17.03	16.96			
15	64QAM	1	37	17.02	17.09	16.98			
15	64QAM	1	74	17.00	17.05	17.01	18.5	2	
15	64QAM	36	0	15.65	15.61	15.66			
15	64QAM	36	20	15.59	15.62	15.57			
15	64QAM	36	39	15.64	15.65	15.60			
15	64QAM	75	0	15.67	15.69	15.62	17.5	3	
15	64QAM	75	20	15.67	15.69	15.62			
15	64QAM	75	39	15.67	15.69	15.62			
15	64QAM	75	0	15.67	15.69	15.62			
Channel									
Frequency (MHz)									
10	QPSK	1	0	18.68	18.68	18.69	20.5	0	
10	QPSK	1	25	18.77	18.80	18.78			
10	QPSK	1	49	18.84	18.84	18.81			
10	QPSK	25	0	17.65	17.64	17.70			
10	QPSK	25	12	17.65	17.60	17.67	19.5	1	
10	QPSK	25	25	17.58	17.56	17.51			
10	QPSK	50	0	17.63	17.67	17.59			
10	16QAM	1	0	18.20	18.07	18.13			
10	16QAM	1	25	18.18	18.15	18.20	19.5	1	
10	16QAM	1	49	18.04	18.16	18.09			
10	16QAM	25	0	16.52	16.61	16.59			
10	16QAM	25	12	16.72	16.68	16.67			
10	16QAM	25	25	16.56	16.59	16.60	18.5	2	
10	16QAM	50	0	16.63	16.64	16.60			
10	64QAM	1	0	17.05	17.01	17.07			
10	64QAM	1	25	17.07	17.09	17.06			
10	64QAM	1	49	16.95	16.96	16.97	18.5	2	
10	64QAM	25	0	15.66	15.66	15.64			
10	64QAM	25	12	15.63	15.56	15.58			
10	64QAM	25	25	15.68	15.67	15.68			
10	64QAM	50	0	15.62	15.62	15.64	17.5	3	
10	64QAM	50	0	15.62	15.62	15.64			
10	64QAM	50	0	15.62	15.62	15.64			
10	64QAM	50	0	15.62	15.62	15.64			
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.82	18.81	18.77	20.5	0	
5	QPSK	1	12	18.75	18.73	18.83			
5	QPSK	1	24	18.75	18.71	18.70			
5	QPSK	12	0	17.64	17.71	17.60			
5	QPSK	12	7	17.68	17.68	17.63	19.5	1	
5	QPSK	12	13	17.63	17.65	17.58			
5	QPSK	25	0	17.58	17.59	17.63			
5	16QAM	1	0	18.13	18.13	18.17			
5	16QAM	1	12	18.23	18.18	18.11	19.5	1	
5	16QAM	1	24	18.09	18.06	18.16			
5	16QAM	12	0	16.58	16.66	16.60			
5	16QAM	12	7	16.70	16.67	16.61			
5	16QAM	12	13	16.69	16.60	16.65	18.5	2	
5	16QAM	25	0	16.69	16.63	16.61			
5	64QAM	1	0	16.99	16.96	16.97			
5	64QAM	1	12	17.04	17.02	17.00			
5	64QAM	1	24	16.99	17.05	16.99	18.5	2	
5	64QAM	12	0	15.66	15.58	15.63			
5	64QAM	12	7	15.64	15.61	15.56			
5	64QAM	12	13	15.66	15.66	15.67			
5	64QAM	25	0	15.65	15.68	15.69	17.5	3	
5	64QAM	25	0	15.65	15.68	15.69			
5	64QAM	25	0	15.65	15.68	15.69			
5	64QAM	25	0	15.65	15.68	15.69			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	18.77	18.79	18.72	20.5	0	
1.4	QPSK	1	3	18.85	18.84	18.78			
1.4	QPSK	1	5	18.83	18.77	18.74			
1.4	QPSK	3	0	18.86	18.83	18.74			
1.4	QPSK	3	1	18.77	18.86	18.80	19.5	1	
1.4	QPSK	3	3	18.82	18.84	18.76			
1.4	QPSK	6	0	17.71	17.74	17.62			
1.4	16QAM	1	0	17.72	17.67	17.64			
1.4	16QAM	1	3	17.63	17.74	17.57	19.5	1	
1.4	16QAM	1	5	17.65	17.67	17.63			
1.4	16QAM	3	0	17.69	17.73	17.67			
1.4	16QAM	3	1	17.85	17.58	17.64			
1.4	16QAM	3	3	17.68	17.73	17.65	18.5	2	
1.4	16QAM	6	0	16.59	16.62	16.51			
1.4	64QAM	1	0	16.62	16.66	16.53			
1.4	64QAM	1	3	16.62	16.66	16.52			
1.4	64QAM	1	5	16.58	16.69	16.50	18.5	2	
1.4	64QAM	3	0	16.65	16.68	16.67			
1.4	64QAM	3	1	16.65	16.67	16.57			
1.4	64QAM	3	3	16.58	16.65	16.51			
1.4	64QAM	6	0	15.63	15.66	15.61	17.5	3	
1.4	64QAM	6	0	15.63	15.66	15.61			
1.4	64QAM	6	0	15.63	15.66	15.61			
1.4	64QAM	6	0	15.63	15.66	15.61			

Band 5									
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)									
10	QPSK	1	0	22.62	22.65	22.55	24	0	
10	QPSK	1	25	22.72	22.87	22.74			
10	QPSK	1	49	22.65	22.64	22.62			
10	QPSK	25	0	21.74	21.78	21.65			
10	QPSK	25	12	21.71	21.72	21.63	23	1	
10	QPSK	25	25	21.73	21.70	21.61			
10	QPSK	50	0	21.70	21.72	21.63			
10	16QAM	1	0	21.73	21.64	21.54			
10	16QAM	1	25	21.63	21.66	21.83	23	1	
10	16QAM	1	49	21.75	21.47	21.62			
10	16QAM	25	0	20.72	20.88	20.72			
10	16QAM	25	12	20.78	20.78	20.75			
10	16QAM	25	25	20.80	20.76	20.76	22	2	
10	16QAM	50	0	20.86	20.83	20.68			
10	64QAM	1	0	21.05	21.04	20.60			
10	64QAM	1	25	21.24	21.31	20.95			
10	64QAM	1	49	20.99	20.93	20.65	22	2	
10	64QAM	25	0	19.70	19.75	19.81			
10	64QAM	25	12	19.76	19.83	19.71			
10	64QAM	25	25	19.78	19.76	19.70			
10	64QAM	50	0	19.77	19.87	19.67	21	3	
10	64QAM	50	0	19.77	19.87	19.67			
10	64QAM	50	0	19.77	19.87	19.67			
10	64QAM	50	0	19.77	19.87	19.67			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.48	22.43	22.41	24	0	
5	QPSK	1	12	22.68	22.81	22.78			
5	QPSK	1	24	22.46	22.37	22.40			
5	QPSK	12	0</						



Band 38									
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	19.33	19.44	19.38	20.5	0	
20	QPSK	1	49	19.40	19.51	19.45			
20	QPSK	1	99	19.32	19.45	19.25			
20	QPSK	50	0	18.21	18.28	18.18	19.5	1	
20	QPSK	50	24	18.15	18.25	18.12			
20	QPSK	50	50	18.17	18.26	18.07			
20	QPSK	100	0	18.19	18.23	18.13	19.5	1	
20	16QAM	1	0	18.47	18.47	18.43			
20	16QAM	1	49	18.45	18.56	18.52			
20	16QAM	1	99	18.45	18.47	18.44	18.5	2	
20	16QAM	50	0	17.03	17.20	17.01			
20	16QAM	50	24	16.99	17.13	17.10			
20	16QAM	50	50	17.08	17.20	17.02	18.5	2	
20	16QAM	100	0	17.20	17.29	17.14			
20	64QAM	1	0	17.22	17.20	17.26			
20	64QAM	1	49	17.24	17.28	17.24	18.5	2	
20	64QAM	1	99	17.11	17.17	17.18			
20	64QAM	50	0	16.12	16.29	16.22			
20	64QAM	50	24	16.20	16.19	16.23	17.5	3	
20	64QAM	50	50	16.19	16.23	16.26			
20	64QAM	100	0	16.25	16.22	16.24			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.24	19.32	19.30	20.5	0	
15	QPSK	1	37	19.23	19.41	19.28			
15	QPSK	1	74	19.26	19.26	19.22			
15	QPSK	36	0	18.91	18.10	18.01	19.5	1	
15	QPSK	36	20	18.06	18.03	18.14			
15	QPSK	36	39	18.13	18.15	18.11			
15	QPSK	75	0	18.10	18.17	18.04	19.5	1	
15	16QAM	1	0	18.41	18.43	18.40			
15	16QAM	1	37	18.35	18.39	18.42			
15	16QAM	1	74	18.25	18.38	18.23	18.5	2	
15	16QAM	36	0	16.97	17.13	16.93			
15	16QAM	36	20	16.87	17.14	16.98			
15	16QAM	36	39	16.97	17.02	16.93	18.5	2	
15	16QAM	75	0	17.15	17.13	17.02			
15	64QAM	1	0	17.17	17.21	17.04			
15	64QAM	1	37	17.11	17.20	17.14	18.5	2	
15	64QAM	1	74	17.08	17.20	17.10			
15	64QAM	36	0	16.08	16.21	16.06			
15	64QAM	36	20	16.12	16.05	16.01	17.5	3	
15	64QAM	36	39	16.02	16.16	16.17			
15	64QAM	75	0	16.16	16.25	16.08			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.16	19.28	19.33	20.5	0	
10	QPSK	1	25	19.26	19.43	19.37			
10	QPSK	1	49	19.24	19.29	19.22			
10	QPSK	25	0	18.04	18.13	18.01	19.5	1	
10	QPSK	25	12	18.09	18.15	18.02			
10	QPSK	25	26	18.02	18.15	18.02			
10	QPSK	50	0	17.99	18.08	18.11	19.5	1	
10	16QAM	1	0	18.37	18.38	18.37			
10	16QAM	1	25	18.39	18.37	18.51			
10	16QAM	1	49	18.28	18.42	18.20	18.5	2	
10	16QAM	25	0	16.93	17.16	16.95			
10	16QAM	25	12	16.94	17.11	17.07			
10	16QAM	25	26	17.06	16.99	16.99	18.5	2	
10	16QAM	50	0	17.08	17.25	17.00			
10	64QAM	1	0	17.15	17.08	17.05			
10	64QAM	1	25	17.00	17.16	17.12	18.5	2	
10	64QAM	1	49	16.99	17.11	17.06			
10	64QAM	25	0	16.11	16.08	16.17			
10	64QAM	25	12	16.02	16.11	16.13	17.5	3	
10	64QAM	25	26	16.00	16.19	16.04			
10	64QAM	50	0	16.08	16.12	16.10			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.25	19.32	19.28	20.5	0	
5	QPSK	1	12	19.31	19.41	19.36			
5	QPSK	1	24	19.23	19.34	19.28			
5	QPSK	12	0	17.96	18.13	18.03	19.5	1	
5	QPSK	12	7	18.06	18.12	18.13			
5	QPSK	12	13	18.05	18.10	17.99			
5	QPSK	25	0	18.07	18.21	18.07	19.5	1	
5	16QAM	1	0	18.42	18.41	18.43			
5	16QAM	1	12	18.36	18.43	18.48			
5	16QAM	1	24	18.36	18.40	18.28	18.5	2	
5	16QAM	12	0	17.06	17.05	16.89			
5	16QAM	12	7	16.89	17.10	17.07			
5	16QAM	12	13	17.07	17.07	16.85	18.5	2	
5	16QAM	25	0	17.10	17.22	17.01			
5	64QAM	1	0	17.03	17.08	17.07			
5	64QAM	1	12	17.07	17.15	17.08	18.5	2	
5	64QAM	1	24	17.03	17.07	17.15			
5	64QAM	12	0	16.08	16.15	16.06			
5	64QAM	12	7	16.04	16.10	16.06	17.5	3	
5	64QAM	12	13	16.10	16.15	16.06			
5	64QAM	25	0	16.21	16.20	16.13			

Band 41									
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				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	19.92	19.94	19.91	19.81	20.5	0
20	QPSK	1	49	20.02	20.10	20.01	19.86		
20	QPSK	1	99	19.94	20.08	19.90	19.84		
20	QPSK	50	0	18.83	18.87	18.82	18.75	19.5	1
20	QPSK	50	24	18.76	18.81	18.77	18.72		
20	QPSK	50	50	18.82	18.82	18.68	18.70		
20	QPSK	100	0	18.74	18.85	18.81	18.71	19.5	1
20	16QAM	1	0	18.96	19.17	19.13	19.01		
20	16QAM	1	49	19.07	19.16	19.07	18.91		
20	16QAM	1	99	18.96	19.06	18.92	18.83	18.5	2
20	16QAM	50	0	17.69	17.82	17.74	17.54		
20	16QAM	50	24	17.63	17.90	17.78	17.78		
20	16QAM	50	50	17.79	17.90	17.76	17.65	18.5	2
20	16QAM	100	0	17.78	17.83	17.81	17.66		
20	64QAM	1	0	17.82	17.90	17.79	17.70		
20	64QAM	1	49	17.83	17.87	17.78	17.76	18.5	2
20	64QAM	1	99	17.78	17.83	17.75	17.75		
20	64QAM	50	0	16.77	16.84	16.74	16.69		
20	64QAM	50	24	16.71	16.80	16.72	16.63	17.5	3
20	64QAM	50	50	16.87	16.77	16.70	16.69		
20	64QAM	100	0	16.77	16.81	16.90	16.71		
Channel				40115	40395	40685	41165		
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	19.86	19.93	19.82	19.78	20.5	0
15	QPSK	1	37	19.92	20.05	19.82	19.70		
15	QPSK	1	74	19.94	20.01	19.89	19.73		
15	QPSK	36	0	18.88	18.81	18.89	18.84	19.5	1
15	QPSK	36	20	18.73	18.72	18.73	18.51		
15	QPSK	36	39	18.76	18.69	18.73	18.63		
15	QPSK	75	0	18.83	18.74	18.67	18.55	19.5	1
15	16QAM	1	0	18.89	19.11	18.99	18.87		
15	16QAM	1	37	19.00	19.00	19.00	18.85		
15	16QAM	1	74	18.94	19.05	18.86	18.79	18.5	2
15	16QAM	36	0	17.61	17.68	17.52	17.54		
15	16QAM	36	20	17.69	17.83	17.76	17.72		
15	16QAM	36	39	17.55	17.80	17.71	17.55	18.5	2
15	16QAM	75	0	17.61	17.85	17.76	17.61		
15	64QAM	1	0	17.67	17.68	17.55	17.55		
15	64QAM	1	37	17.80	17.75	17.71	17.73	18.5	2
15	64QAM	1	74	17.71	17.76	17.75	17.55		
15	64QAM	36	0	16.65	16.65	16.61	16.46		
15	64QAM	36	20	16.60	16.63	16.61	16.57	17.5	3
15	64QAM	36	39	16.68	16.80	16.67	16.53		
15	64QAM	75	0	16.67	16.81	16.67	16.58		
Channel				40090	40380	40690	41190		
Frequency (MHz)				2540	2565	2590	2630		
10	QPSK	1	0	19.93	19.97	19.92	19.71	20.5	0
10	QPSK	1	25	19.83	20.08	19.88	19.81		
10	QPSK	1	49	19.96	20.00	19.83	19.66		
10	QPSK	25	0	18.67</					



Conducted Power for WLAN/Bluetooth

2.4GHz WLAN_Ant 2		Full Power			Head		Hotspot		Body Worn		Handheld		Duty Cycle %	
Mode	Channel	Frequenc y (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	Average power (dBm)	Tune-Up Limit		
802.11b 1Mbps	1	2412	18.21	20.00	16.75	18.50	17.06	19.00	17.08	19.00	18.21	20.00	99.31	
	6	2413	18.18	20.00	16.73	18.50	17.13	19.00	17.13	19.00	18.18	20.00		
	11	2462	18.31	20.00	16.82	18.50	17.17	19.00	17.17	19.00	18.31	20.00		
	1	2412	13.68	15.00	13.68	15.00	13.68	15.00	13.68	15.00	13.68	15.00		96.97
	2	2417	18.72	20.00	16.58	18.50	17.12	19.00	17.12	18.50	18.72	20.00		
	6	2437	18.24	20.00	16.63	18.50	17.32	19.00	17.32	19.00	18.24	20.00		
802.11g 6Mbps	1	2412	15.34	16.50	15.34	16.50	15.34	16.50	15.34	16.50	15.34	16.50	96.77	
	1	2412	12.66	14.00	12.66	14.00	12.66	14.00	12.66	14.00	12.66	14.00		
	2	2417	17.03	19.00	16.63	18.50	17.03	19.00	17.03	19.00	17.03	19.00		
	802.11n-HT20 MCSO	1	2412	16.92	18.50	16.92	18.50	16.92	18.50	16.92	18.50	16.92	18.50	96.77
		6	2437	16.92	18.50	16.92	18.50	16.92	18.50	16.92	18.50	16.92	18.50	
		11	2462	19.05	19.50	15.05	16.50	19.05	19.50	15.05	16.50	19.05	19.50	
802.11n-HT40 MCSO		3	2422	11.54	13.00	11.54	13.00	11.54	13.00	11.54	13.00	11.54	13.00	93.73
		6	2437	14.52	16.00	14.52	16.00	14.52	16.00	14.52	16.00	14.52	16.00	
		9	2452	13.22	15.00	13.22	15.00	13.22	15.00	13.22	15.00	13.22	15.00	

5.2GHz WLAN_Ant 2		Full Power			Head		Hotspot		Body Worn		Handheld		Duty Cycle %	
Mode	Channel	Frequenc y (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	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	36	5180	17.37	19.00	16.87	18.50	16.99	18.50	17.37	19.00	17.37	19.00	96.97	
	40	5200	17.75	19.00	16.84	18.50	16.94	18.50	17.75	19.00	17.75	19.00		
	44	5220	17.81	19.50	16.73	18.50	16.90	18.50	17.81	19.50	17.81	19.50		
	48	5240	17.88	19.50	16.88	18.50	16.74	18.50	17.88	19.50	17.88	19.50		
	36	5180	16.06	17.50	16.06	17.50	16.06	17.50	16.06	17.50	16.06	17.50		96.77
	44	5220	17.74	19.50	16.84	18.50	16.84	18.50	17.74	19.50	17.74	19.50		
48	5240	17.75	19.50	16.73	18.50	16.78	18.50	17.75	19.50	17.75	19.50			
802.11n-HT40 MCSO	38	5190	16.61	18.50	16.61	18.50	16.61	18.50	16.61	18.50	16.61	18.50	93.73	
	46	5230	16.62	18.50	16.62	18.50	16.62	18.50	16.62	18.50	16.62	18.50		
	38	5190	16.63	18.50	16.63	18.50	16.63	18.50	16.63	18.50	16.63	18.50		
	802.11ac-VHT40 MCSO	38	5190	16.63	18.50	16.63	18.50	16.63	18.50	16.63	18.50	16.63	18.50	96.79
		40	5200	17.65	19.50	16.57	18.50	16.70	18.50	17.65	19.50	17.65	19.50	
		44	5220	17.79	19.50	16.74	18.50	16.68	18.50	17.79	19.50	17.79	19.50	
802.11ac-VHT80 MCSO		48	5240	17.81	19.50	16.76	18.50	16.79	18.50	17.81	19.50	17.81	19.50	93.75
		38	5190	16.63	18.50	16.63	18.50	16.63	18.50	16.63	18.50	16.63	18.50	
		46	5230	16.65	18.50	16.65	18.50	16.65	18.50	16.65	18.50	16.65	18.50	
	42	5210	14.55	16.00	14.55	16.00	14.55	16.00	14.55	16.00	14.55	16.00	88.23	

5.3GHz WLAN_Ant 2		Full Power			Head		Body Worn		Handheld		Duty Cycle %	
Mode	Channel	Frequenc y (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		
802.11a 6Mbps	52	5260	17.80	19.50	16.79	18.50	17.80	19.50	17.80	19.50	96.97	
	56	5280	18.00	19.50	16.99	18.50	18.00	19.50	18.00	19.50		
	60	5300	17.95	19.50	16.93	18.50	17.95	19.50	17.95	19.50		
	64	5320	17.97	19.50	16.99	18.50	17.97	19.50	17.97	19.50		
	52	5260	17.82	19.50	16.79	18.50	17.82	19.50	17.82	19.50		96.77
	56	5280	17.79	19.50	16.70	18.50	17.79	19.50	17.79	19.50		
60	5300	17.83	19.50	16.83	18.50	17.83	19.50	17.83	19.50			
802.11n-HT20 MCSO	54	5320	17.30	19.00	16.33	18.50	16.30	18.50	17.30	19.00	96.77	
	54	5320	16.65	18.50	16.65	18.50	16.65	18.50	16.65	18.50		
	62	5310	16.17	18.00	16.17	18.00	16.17	18.00	16.17	18.00		
	802.11n-HT40 MCSO	52	5260	17.85	19.50	16.79	18.50	17.85	19.50	17.85	19.50	93.73
		56	5280	17.83	19.50	16.82	18.50	17.83	19.50	17.83	19.50	
		60	5300	17.87	19.50	16.77	18.50	17.87	19.50	17.87	19.50	
802.11ac-VHT20 MCSO		64	5320	17.35	19.00	16.89	18.50	17.35	19.00	17.35	19.00	96.79
		54	5320	16.70	18.50	16.70	18.50	16.70	18.50	16.70	18.50	
		62	5310	16.23	18.00	16.23	18.00	16.23	18.00	16.23	18.00	
	54	5320	16.70	18.50	16.70	18.50	16.70	18.50	16.70	18.50	93.75	
	62	5310	16.23	18.00	16.23	18.00	16.23	18.00	16.23	18.00		
	58	5290	14.79	16.00	14.79	16.00	14.79	16.00	14.79	16.00		88.23

5.5GHz WLAN_Ant 2		Full Power			Head		Body Worn		Handheld		Duty Cycle %	
Mode	Channel	Frequenc y (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		
802.11a 6Mbps	100	5500	17.94	19.50	15.94	17.50	14.13	15.50	17.94	19.50	96.97	
	116	5580	17.82	19.50	15.76	17.50	14.15	15.50	17.82	19.50		
	124	5620	17.79	19.50	15.75	17.50	14.12	15.50	17.79	19.50		
	132	5660	17.75	19.50	15.71	17.50	13.93	15.50	17.75	19.50		
	140	5700	17.78	19.50	15.74	17.50	14.16	15.50	17.78	19.50		
	144	5720	17.81	19.50	15.78	17.50	13.97	15.50	17.81	19.50		
802.11n-HT20 MCSO	100	5500	17.82	19.50	15.77	17.50	13.79	15.50	17.82	19.50	96.77	
	116	5580	17.74	19.50	15.72	17.50	13.75	15.50	17.74	19.50		
	124	5620	17.89	19.50	15.67	17.50	13.82	15.50	17.89	19.50		
	802.11n-HT40 MCSO	132	5660	17.50	19.50	15.67	17.50	13.75	15.50	17.50	19.50	93.73
		140	5700	16.20	18.00	15.62	17.50	13.75	15.50	16.20	18.00	
		144	5720	17.65	19.50	15.61	17.50	13.70	15.50	17.65	19.50	
802.11ac-VHT20 MCSO		102	5510	16.73	18.50	15.68	17.50	13.58	15.50	16.73	18.50	96.79
		116	5550	16.70	18.50	15.69	17.50	13.59	15.50	16.70	18.50	
		126	5630	16.76	18.50	15.66	17.50	13.75	15.50	16.76	18.50	
	802.11ac-VHT40 MCSO	134	5670	16.50	18.50	15.50	17.50	13.57	15.50	16.50	18.50	93.75
		142	5710	16.59	18.50	15.53	17.50	13.61	15.50	16.59	18.50	
		100	5500	17.90	19.50	15.87	17.50	13.95	15.50	17.90	19.50	
802.11ac-VHT80 MCSO		116	5580	17.76	19.50	15.69	17.50	13.88	15.50	17.76	19.50	96.79
		124	5620	17.72	19.50	15.68	17.50	13.70	15.50	17.72	19.50	
		132	5660	17.62	19.50	15.58	17.50	13.79	15.50	17.62	19.50	
	802.11ac-VHT160 MCSO	140	5700	16.26	18.00	15.61	17.50	13.85	15.50	16.26	18.00	93.75
		144	5720	17.73	19.50	15.64	17.50	13.75	15.50	17.73	19.50	
		102	5510	16.75	18.50	15.66	17.50	13.87	15.50	16.75	18.50	
802.11ac-VHT320 MCSO		110	5550	16.72	18.50	15.71	17.50	13.68	15.50	16.72	18.50	93.75
		126	5630	16.79	18.50	15.78	17.50	13.83	15.50	16.79	18.50	
		134	5670	16.53	18.50	15.54	17.50	13.84	15.50	16.53	18.50	
	802.11ac-VHT640 MCSO	142	5710	16.62	18.50	15.53	17.50	13.67	15.50	16.62	18.50	96.79
		106	5530	15.56	17.00	15.56	17.00	13.96	15.50	15.56	17.00	
		122	5610	16.09	17.50	16.09	17.50	13.95	15.50	16.09	17.50	
138		5690	16.08	17.50	16.08	17.50	13.93	15.50	16.08	17.50	88.23	

5.8GHz WLAN_Ant 2		Full Power			Head		Hotspot		Body Worn		Handheld		Duty Cycle %
Mode	Channel	Frequenc y (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	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	18.15	19.50	17.13	18.50	15.01	16.00	18.00	18.15	19.50	96.97	



BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	9.27	9.30	9.38	7.21	6.53	6.30	7.24	6.50	6.21	11
	CH 39	2441	9.53	9.54	9.56	7.43	6.65	6.40	7.41	6.65	6.37	
	CH 78	2480	9.44	9.48	9.49	7.34	6.71	6.34	7.10	6.67	6.32	

BLE_1M/2M

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	0.26	0.34
	CH 19	2440	1.71	1.87
	CH 39	2480	1.17	1.13
Tune-up Limit			3.5	3.5