

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
GPRS 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
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	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	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	20.98	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	21.29	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 Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1880	1880	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	1	99	22.05	22.03	22.49				
20	QPSK	50	0	21.14	21.50	21.45				
20	QPSK	50	24	21.27	21.22	21.43	23	1		
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	21.10	21.68				
20	16QAM	50	0	20.12	20.23	20.47				
20	16QAM	50	24	20.35	20.30	20.61				
20	16QAM	50	50	20.32	20.06	20.47	22	2		
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				
20	64QAM	1	99	20.17	20.28	20.81	22	2		
20	64QAM	50	0	19.16	19.21	19.42				
20	64QAM	50	24	19.25	19.27	19.61				
20	64QAM	50	50	19.24	19.11	19.49				
20	64QAM	100	0	19.19	19.22	19.45	21	3		
Channel				18675	18900	19125				
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)		
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				
15	QPSK	36	20	21.17	21.29	21.50	23	1		
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	20.16	20.30	20.39				
15	16QAM	36	20	20.29	20.20	20.55				
15	16QAM	36	39	20.13	20.18	20.51	22	2		
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				
15	64QAM	1	74	20.24	20.38	20.50	22	2		
15	64QAM	36	0	19.12	19.19	19.58				
15	64QAM	36	20	19.23	19.27	19.61				
15	64QAM	36	39	19.13	19.00	19.58				
15	64QAM	75	0	19.16	19.12	19.44	21	3		
Channel				18650	18900	19150				
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)	MPR (dB)		
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				
10	QPSK	25	12	21.17	21.17	21.70	23	1		
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	21.37	21.30	21.65				
10	16QAM	25	0	20.19	20.29	20.64				
10	16QAM	25	12	20.34	20.31	20.74				
10	16QAM	25	25	20.39	20.25	20.62	22	2		
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				
10	64QAM	1	49	20.23	20.31	20.73	22	2		
10	64QAM	25	0	19.07	19.39	19.73				
10	64QAM	25	12	19.29	19.28	19.72				
10	64QAM	25	25	19.23	19.16	19.75				
10	64QAM	50	0	19.22	19.32	19.71	21	3		
Channel				18625	18900	19175				
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.01	22.00	22.51	24	0		
5	QPSK	1	12	22.04	22.26	22.58				
5	QPSK	1	24	22.05	22.04	22.57				
5	QPSK	12	0	21.04	21.11	21.67				
5	QPSK	12	7	21.19	21.19	21.65	23	1		
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				
5	16QAM	12	7	20.20	20.22	20.66				
5	16QAM	12	13	20.16	20.20	20.57	22	2		
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				
5	64QAM	1	24	20.16	20.32	20.81	22	2		
5	64QAM	12	0	19.08	19.25	19.78				
5	64QAM	12	7	19.15	19.27	19.80				
5	64QAM	12	13	19.13	19.25	19.68				
5	64QAM	25	0	19.20	19.17	19.85	21	3		
Channel				18615	18900	19185				
Frequency (MHz)				1851.5	1880	1908.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	22.21	22.30	22.49	24	0		
3	QPSK	1	4	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				
3	QPSK	8	4	21.17	21.16	21.65	23	1		
3	QPSK	8	7	21.22	21.18	21.76				
3	QPSK	15	0	21.12	21.18	21.72				
3	16QAM	1	0	21.67	21.34	21.82				
3	16QAM	1	8	21.69	21.39	21.64	23	1		
3	16QAM	1	14	21.70	21.37	21.74				
3	16QAM	8	0	20.27	20.40	20.84				
3	16QAM	8	4	20.29	20.42	20.82				
3	16QAM	8	7	20.37	20.35	20.88	22	2		
3	16QAM	15	0	20.27	20.42	20.71				
3	64QAM	1	0	20.43	20.56	20.95				
3	64QAM	1	8	20.51	20.50	20.99				
3	64QAM	1	14	20.50	20.45	21.10	22	2		
3	64QAM	8	0	19.40	19.44	19.73				
3	64QAM	8	4	19.37	19.34	19.66				
3	64QAM	8	7	19.35	19.39	19.73				
3	64QAM	15	0	19.21	19.20	19.71	21	3		



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	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2580	2586	2610				
20	QPSK	1	0	22.51	22.51	22.53	24	0		
20	QPSK	1	49	22.87	22.95	22.98				
20	QPSK	1	99	22.81	22.81	22.84				
20	QPSK	50	0	21.67	21.82	21.70	23	1		
20	QPSK	50	24	21.74	21.72	21.75				
20	QPSK	50	50	21.75	21.71	21.73				
20	QPSK	100	0	21.75	21.89	21.67	23	1		
20	16QAM	1	0	21.62	21.61	21.56				
20	16QAM	1	49	22.01	21.98	22.01				
20	16QAM	1	99	21.64	21.72	21.70	22	2		
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	20.83	20.69	20.74				
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	21	3		
20	64QAM	50	50	19.79	19.71	19.81				
20	64QAM	100	0	19.74	19.77	19.80				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2586	2612.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	22.62	22.57	22.63				
15	QPSK	1	37	22.85	22.85	22.94	24	0		
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	21.64	21.70	23	1		
15	16QAM	1	37	21.95	21.88	21.99				
15	16QAM	1	74	21.76	21.70	21.85				
15	16QAM	36	0	20.71	20.65	20.78	22	2		
15	16QAM	36	20	20.78	20.78	20.82				
15	16QAM	36	39	20.78	20.74	20.73				
15	16QAM	75	0	20.75	20.73	20.80	22	2		
15	64QAM	1	0	20.38	20.43	20.50				
15	64QAM	1	37	20.68	20.68	20.74				
15	64QAM	1	74	20.48	20.48	20.59	21	3		
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				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2586	2615	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.68	22.68	22.74				
10	QPSK	1	25	22.63	22.66	22.71	24	0		
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	21.78	21.76	21.75				
10	QPSK	50	0	21.75	21.79	21.70				
10	16QAM	1	0	21.76	21.76	21.85	23	1		
10	16QAM	1	25	21.73	21.70	21.81				
10	16QAM	1	49	21.79	21.83	21.90				
10	16QAM	25	0	20.80	20.86	20.90	22	2		
10	16QAM	25	12	20.82	20.80	20.95				
10	16QAM	25	25	20.80	20.82	20.83				
10	16QAM	50	0	20.78	20.77	20.91	22	2		
10	64QAM	1	0	20.55	20.52	20.62				
10	64QAM	1	25	20.53	20.55	20.61				
10	64QAM	1	49	20.59	20.56	20.57	21	3		
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)				2572.5	2586	2616.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.61	22.56	22.80				
5	QPSK	1	12	22.78	22.80	22.88	24	0		
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	23	1		
5	QPSK	12	13	21.69	21.72	21.79				
5	QPSK	25	0	21.72	21.74	21.76				
5	16QAM	1	0	21.72	21.67	21.80	23	1		
5	16QAM	1	12	21.88	21.96	22.03				
5	16QAM	1	24	21.62	21.67	21.76				
5	16QAM	12	0	20.70	20.66	20.72	22	2		
5	16QAM	12	7	20.77	20.74	20.80				
5	16QAM	12	13	20.66	20.65	20.77				
5	16QAM	25	0	20.68	20.74	20.80	22	2		
5	64QAM	1	0	20.41	20.45	20.57				
5	64QAM	1	12	20.61	20.63	20.82				
5	64QAM	1	24	20.43	20.45	20.55	21	3		
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	19.79	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.	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	23.33	23.19	22.99	22.88	24	0	
20	QPSK	1	49	23.50	23.35	23.15	23.05			
20	QPSK	1	99	23.36	23.12	22.93	22.89			
20	QPSK	50	0	22.43	22.56	22.21	22.02	23	1	
20	QPSK	50	24	22.51	22.52	22.20	22.00			
20	QPSK	50	50	22.48	22.45	22.16	21.99			
20	QPSK	100	0	22.53	22.55	22.06	22.00	23	1	
20	16QAM	1	0	21.60	21.55	21.10	21.12			
20	16QAM	1	49	22.84	22.89	22.46	22.27			
20	16QAM	1	99	22.65	22.47	22.14	22.17	22	2	
20	16QAM	50	0	21.46	21.51	21.26	21.08			
20	16QAM	50	24	21.64	21.45	21.19	21.12			
20	16QAM	50	50	21.67	21.44	21.17	21.02	22	2	
20	16QAM	100	0	21.57	21.61	21.15	20.96			
20	64QAM	1	0	21.45	21.40	21.09	20.96			
20	64QAM	1	49	21.72	21.61	21.31	21.17	22	2	
20	64QAM	1	99	21.43	21.27	20.95	20.97			
20	64QAM	50	0	20.52	20.43	20.04	20.08			
20	64QAM	50	24	20.67	20.52	20.17	20.03	21	3	
20	64QAM	50	50	20.56	20.43	20.19	19.99			
20	64QAM	100	0	20.51	20.44	20.05	20.04			
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5			
15	QPSK	1	0	23.49	23.36	23.02	22.88	24	0	
15	QPSK	1	37	23.50	23.42	23.17	23.04			
15	QPSK	1	74	23.51	23.24	23.06	22.93			
15	QPSK	36	0	22.51	22.52	22.17	21.96	23	1	
15	QPSK	36	20	22.53	22.44	22.11	22.08			
15	QPSK	36	39	22.53	22.39	22.12	21.99			
15	QPSK	75	0	22.49	22.44	22.16	21.97	23	1	
15	16QAM	1	0	21.68	21.62	21.17	20.99			
15	16QAM	1	37	22.78	22.63	22.34	22.23			
15	16QAM	1	74	22.69	22.36	22.24	22.19	22	2	
15	16QAM	36	0	21.51	21.37	21.05	20.94			
15	16QAM	36	20	21.53	21.48	21.14	21.00			
15	16QAM	36	39	21.58	21.36	21.06	20.96	22	2	
15	16QAM	75	0	21.54	21.48	21.15	21.02			
15	64QAM	1	0	21.46	21.40	21.08	21.00			
15	64QAM	1	37	21.63	21.51	21.23	21.10	22	2	
15	64QAM	1	74	21.51	21.29	21.04	21.05			
15	64QAM	36	0	20.53	20.46	20.14	20.00			
15	64QAM	36	20	20.67	20.39	20.20	20.03	21	3	
15	64QAM	36	39	20.52	20.45	20.12	19.98			
15	64QAM	75	0	20.50	20.49	20.18	20.00			
Channel				40090	40390	40690	41110	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2540	2570	2600	2650			
10	QPSK	1	0	23.53	23.30	23.07	22.86	24	0	
10	QPSK	1	25	23.53	23.49	23.17	23.02			
10	QPSK	1	49	23.45	23.32	22.99	22.96			
10	QPSK	25	0	22.48	22.46	22.24	22.13	23	1	
10	QPSK	25	12	22.51	22.50	22.19	22.16			
10	QPSK	25	25	22.42	22.44	22.25	22.06			
10	QPSK	50	0	22.51	22.51	22.29	22.15	23	1	
10	16QAM	1	0	22.78	22.58	22.17	22.18			
10	16QAM	1	25	22.87	22.74	22.41	22.30			
10	16QAM	1	49	22.74	22.58	22.35	22.24	22	2	
10	16QAM	25	0	21.65	21.55	21.27	21.23			
10	16QAM	25	12	21.73	21.55	21.22	21.17			
10	16QAM	25	25	21.69	21.40	21.20	21.14	22	2	
10	16QAM	50	0	21.66	21.53	21.21	21.14			
10	64QAM	1	0	21.62	21.53	21.15	21.07			
10	64QAM	1	25	21.71	21.57	21.32	21.26	22	2	
10	64QAM	1	49	21.62	21.47	21.10	21.10			
10	64QAM	25	0	20.66	20.56	20.30	20.22			
10	64QAM	25	12	20.67	20.57	20.27	20.22	21	3	
10	64QAM	25	25	20.80	20.84	20.32	20.20			
10	64QAM	50	0	20.68	20.55	20.19	20.12			
Channel				40065	40385	40705	41215	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5			
5	QPSK	1	0	23.37	23.23	22.95	22.79	24	0	
5	QPSK	1	12	23.54	23.36	23.12	23.03			
5	QPSK	1	24	23.33	23.24	22.93	22.79			
5	QPSK	12	0	22.51	22.43	22.09	22.04	23	1	
5	QPSK	12	7	22.43	22.51	22.18	22.08			
5	QPSK	12	13	22.48	22.45	22.21	22.07			
5	QPSK	25	0	22.32	22.49	22.13	22.09	23	1	
5	16QAM	1	0	22.62	22.61	22.12	22.08			
5	16QAM	1	12	22.80	22.58	22.37	22.24			
5	16QAM	1	24	22.65	22.48	22.19	22.07	22	2	
5	16QAM	12	0	21.62	21.37	21.13	21.06			
5	16QAM	12	7	21.64	21.58	21.23	21.02			
5	16QAM	12	13	21.58	21.43	21.18	21.01	22	2	
5	64QAM	1	0	21.68	21.58	21.13	21.12			
5	64QAM	1	0	21.49	21.36	21.15	21.01			
5	64QAM	1	12	21.64	21.55	21.27	21.07	22	2	
5	64QAM	1	24	21.61	21.43	21.11	20.96			
5	64QAM	12	0	20.63	20.44	20.13	20.08			
5	64QAM	12	7	20.65	20.44	20.20	20.11	21	3	
5	64QAM	12	13	20.62	20.50	20.24	20.08			
5	64QAM	25	0	20.61	20.59	20.18	20.14			

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		824.2	836.4	848.8	
Frequency (MHz)	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)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	26.78	26.77	26.75	27.50	17.78	17.77	17.75	18.50
GPRS 1 Tx slot	26.78	26.76	26.73	27.50	17.78	17.76	17.73	18.50
GPRS 2 Tx slots	26.03	26.08	26.09	27.00	20.03	20.08	20.09	21.00
GPRS 3 Tx slots	24.11	24.13	24.08	25.00	19.85	19.87	19.82	20.74
GPRS 4 Tx slots	23.11	23.14	23.15	24.00	20.11	20.14	20.15	21.00
EDGE 1 Tx slot	23.32	23.13	23.06	23.50	14.32	14.13	14.06	14.50
EDGE 2 Tx slots	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)
	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	15.55	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				
20	QPSK	1	49	15.33	15.63	15.48	17	0		
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	14.14	14.16	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	15	2		
20	16QAM	50	50	13.19	13.23	13.12				
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	15	2		
20	64QAM	1	99	13.10	13.23	13.10				
20	64QAM	50	0	12.09	12.22	12.14				
20	64QAM	50	24	12.11	12.26	12.21	14	3		
20	64QAM	50	50	12.15	12.22	12.17				
20	64QAM	100	0	12.25	12.28	12.26				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.06	15.08	15.07				
15	QPSK	1	37	15.59	15.61	15.59	17	0		
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	14.08	14.03	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	2		
15	16QAM	36	39	13.22	13.13	13.12				
15	16QAM	75	0	13.19	13.25	13.16				
15	64QAM	1	0	13.13	13.14	13.11				
15	64QAM	1	37	13.62	13.55	13.65	15	2		
15	64QAM	1	74	13.20	13.10	13.19				
15	64QAM	36	0	12.20	12.21	12.14				
15	64QAM	36	20	12.18	12.25	12.23	14	3		
15	64QAM	36	39	12.21	12.14	12.15				
15	64QAM	75	0	12.19	12.18	12.25				
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.08	15.12	14.99				
10	QPSK	1	25	15.59	15.56	15.49	17	0		
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				
10	QPSK	25	25	14.12	14.10	14.08	16	1		
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	15	2		
10	16QAM	25	25	13.08	13.19	13.18				
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	15	2		
10	64QAM	1	49	13.09	13.14	13.17				
10	64QAM	25	0	12.14	12.21	12.19				
10	64QAM	25	12	12.25	12.19	12.25	14	3		
10	64QAM	25	25	12.12	12.12	12.14				
10	64QAM	50	0	12.23	12.24	12.25				
Channel										
Frequency (MHz)										
5	QPSK	1	0	15.01	15.10	15.11				
5	QPSK	1	12	15.56	15.59	15.52	17	0		
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				
5	QPSK	12	13	14.06	14.11	14.01	16	1		
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	15	2		
5	16QAM	12	13	13.16	13.13	13.19				
5	16QAM	25	0	13.29	13.15	13.27				
5	64QAM	1	0	13.21	13.12	13.10				
5	64QAM	1	12	13.56	13.56	13.55	15	2		
5	64QAM	1	24	13.08	13.08	13.10				
5	64QAM	12	0	12.18	12.13	12.18				
5	64QAM	12	7	12.21	12.22	12.16	14	3		
5	64QAM	12	13	12.18	12.12	12.19				
5	64QAM	25	0	12.21	12.19	12.18				
Channel										
Frequency (MHz)										
3	QPSK	1	0	15.03	15.05	15.11				
3	QPSK	1	8	15.62	15.57	15.49	17	0		
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	15	2		
3	16QAM	8	7	13.09	13.11	13.11				
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	15	2		
3	64QAM	1	14	13.19	13.08	13.22				
3	64QAM	8	0	12.21	12.12	12.15				
3	64QAM	8	4	12.23	12.24	12.22	14	3		
3	64QAM	8	7	12.13	12.13	12.12				
3	64QAM	15	0	12.23	12.22	12.26				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	15.22	15.61	15.41				
1.4	QPSK	1	3	15.29	15.57	15.47	17	0		
1.4	QPSK	1	5	15.26	15.61	15.42				
1.4	QPSK	3	0	15.23	15.55	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	16	1		
1.4	16QAM	1	0	14.14	14.16	14.11				
1.4	16QAM	1	3	14.15	14.14	14.08				
1.4	16QAM	1	5	14.13	14.17	14.17	16	1		
1.4	16QAM	3	0	14.16	14.23	14.09				
1.4	16QAM	3	1	14.18	14.14	14.09				
1.4	16QAM	3	3	14.14	14.22	14.14				
1.4	16QAM	6	0	13.48	13.54	13.56	15	2		
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				
1.4	64QAM	3	0	13.49	13.55	13.49	15	2		
1.4	64QAM	3	1	13.48	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	21.36	21.32	21.10								
10	16QAM	25	0	20.14	20.17	20.13								
10	16QAM	25	12	20.14	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	84QAM	1	0	20.13	20.21	20.15								
10	84QAM	1	25	20.35	20.36	20.33								
10	84QAM	1	49	20.33	20.16	20.12	22	1.5						
10	84QAM	25	0	19.03	19.13	19.04								
10	84QAM	25	12	19.08	19.14	19.11								
10	84QAM	25	25	19.07	19.12	19.08								
10	84QAM	50	0	19.15	19.23	19.22	21	2.5						
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.05	22.05	22.05					23.5	0		
5	QPSK	1	12	22.05	22.02	22.07								
5	QPSK	1	24	22.10	22.07	22.15								
5	QPSK	12	0	21.11	21.10	21.03								
5	QPSK	12	7	21.03	21.00	21.04	23	0.5						
5	QPSK	12	13	21.00	21.02	21.04								
5	QPSK	25	0	21.09	21.03	21.09								
5	16QAM	1	0	21.10	21.15	21.05								
5	16QAM	1	12	21.33	21.40	21.33	23	0.5						
5	16QAM	1	24	21.04	21.04	21.08								
5	16QAM	12	0	20.07	20.10	20.14								
5	16QAM	12	7	20.07	20.16	20.13								
5	16QAM	12	13	20.06	20.14	20.11	22	1.5						
5	16QAM	25	0	20.25	20.25	20.12								
5	84QAM	1	0	20.12	20.09	20.14								
5	84QAM	1	12	20.35	20.34	20.30								
5	84QAM	1	24	20.09	20.09	20.09	22	1.5						
5	84QAM	12	0	19.06	19.05	19.09								
5	84QAM	12	7	19.04	19.06	19.08								
5	84QAM	12	13	19.08	19.03	19.08								
5	84QAM	25	0	19.19	19.18	19.18	21	2.5						
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.05	22.05	22.05					23.5	0		
3	QPSK	1	8	22.10	22.08	21.99								
3	QPSK	1	14	22.05	22.17	22.04								
3	QPSK	8	0	21.13	21.03	21.14								
3	QPSK	8	4	21.02	21.06	21.05	23	0.5						
3	QPSK	8	7	21.03	21.06	21.08								
3	QPSK	15	0	21.02	21.04	21.05								
3	16QAM	1	0	21.07	21.02	21.08								
3	16QAM	1	8	21.30	21.43	21.40	23	0.5						
3	16QAM	1	14	21.07	21.03	21.07								
3	16QAM	8	0	20.14	20.06	20.09								
3	16QAM	8	4	20.10	20.14	20.12								
3	16QAM	8	7	20.15	20.15	20.10	22	1.5						
3	16QAM	15	0	20.21	20.14	20.13								
3	84QAM	1	0	20.18	20.11	20.08								
3	84QAM	1	8	20.37	20.22	20.28								
3	84QAM	1	14	20.05	20.15	20.15	22	1.5						
3	84QAM	8	0	19.07	19.04	19.09								
3	84QAM	8	4	19.08	19.09	19.11								
3	84QAM	8	7	19.09	19.08	19.06								
3	84QAM	15	0	19.16	19.17	19.20	21	2.5						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.07	22.05	22.03					23.5	0		
1.4	QPSK	1	3	21.88	22.10	22.03								
1.4	QPSK	1	6	22.00	22.16	21.99								
1.4	QPSK	1	9	22.01	22.15	22.02								
1.4	QPSK	3	0	22.00	22.15	22.02	23	0.5						
1.4	QPSK	3	3	21.99	22.06	21.97								
1.4	QPSK	3	6	21.05	21.13	21.04								
1.4	16QAM	1	0	21.05	21.11	21.02								
1.4	16QAM	1	3	21.06	21.12	21.03	23	0.5						
1.4	16QAM	1	6	21.05	21.13	21.05								
1.4	16QAM	3	0	21.06	21.03	21.11								
1.4	16QAM	3	1	21.07	21.07	21.05								
1.4	16QAM	3	3	21.02	21.13	21.03	22	1.5						
1.4	16QAM	6	0	20.08	20.11	20.05								
1.4	84QAM	1	0	20.15	20.10	20.01								
1.4	84QAM	1	3	20.05	20.12	20.01								
1.4	84QAM	1	6	20.37	20.15	20.05	22	1.5						
1.4	84QAM	3	0	20.14	20.12	20.00								
1.4	84QAM	3	1	20.13	20.16	20.03								
1.4	84QAM	3	3	20.06	20.02	20.07								
1.4	84QAM	6	0	19.11	19.08	19.06	21	2.5						

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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
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	14.89	14.79	15	1	
20	QPSK	50	0	13.56	13.70	13.53			
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	14	2	
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	13	3	
20	64QAM	50	50	11.63	11.73	11.67			
20	64QAM	100	0	11.73	11.75	11.69			
Channel				37425	38000	38115	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	14.90	14.80	14.83		16	
15	QPSK	1	37	14.85	14.88	14.88			
15	QPSK	1	74	14.76	14.79	14.79			
15	QPSK	36	0	13.53	13.55	13.55	15	1	
15	QPSK	36	20	13.57	13.60	13.62			
15	QPSK	36	39	13.65	13.53	13.55			
15	QPSK	75	0	13.60	13.59	13.70	15	1	
15	16QAM	1	0	13.93	13.91	13.96			
15	16QAM	1	37	14.01	13.91	13.87			
15	16QAM	1	74	13.88	13.83	13.83	14	2	
15	16QAM	36	0	12.57	12.52	12.57			
15	16QAM	36	20	12.55	12.60	12.57			
15	16QAM	36	39	12.53	12.55	12.50	14	2	
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	13	3	
15	64QAM	36	39	11.68	11.65	11.69			
15	64QAM	75	0	11.69	11.66	11.69			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2571.5	2595	2615			
10	QPSK	1	0	14.67	14.84	14.82		16	
10	QPSK	1	25	14.83	14.87	14.92			
10	QPSK	1	49	14.75	14.75	14.77			
10	QPSK	25	0	13.61	13.58	13.53	15	1	
10	QPSK	25	12	13.68	13.60	13.68			
10	QPSK	25	25	13.62	13.63	13.53			
10	QPSK	50	0	13.65	13.70	13.62	15	1	
10	16QAM	1	0	13.99	13.93	13.98			
10	16QAM	1	25	13.97	13.93	13.89			
10	16QAM	1	49	13.84	13.88	13.83	14	2	
10	16QAM	25	0	12.60	12.54	12.59			
10	16QAM	25	12	12.54	12.53	12.51			
10	16QAM	25	25	12.50	12.50	12.51	14	2	
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	13	3	
10	64QAM	25	25	11.60	11.70	11.72			
10	64QAM	50	0	11.66	11.72	11.70			
Channel				3777.5	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	14.85	14.85	14.84		16	
5	QPSK	1	12	14.81	14.87	14.82			
5	QPSK	1	24	14.84	14.85	14.85			
5	QPSK	12	0	13.54	13.57	13.55	15	1	
5	QPSK	12	7	13.62	13.63	13.65			
5	QPSK	12	13	13.64	13.57	13.56			
5	QPSK	25	0	13.71	13.59	13.58	15	1	
5	16QAM	1	0	13.89	13.91	13.87			
5	16QAM	1	12	13.87	13.94	13.99			
5	16QAM	1	24	13.96	13.92	13.97	14	2	
5	16QAM	12	0	12.64	12.66	12.66			
5	16QAM	12	7	12.56	12.56	12.58			
5	16QAM	12	13	12.58	12.52	12.60	14	2	
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	13	3	
5	64QAM	12	13	11.72	11.72	11.64			
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 Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	15.47	15.48	15.35	15.46	16	0
20	QPSK	1	49	15.46	15.58	15.54	15.45		
20	QPSK	1	99	15.48	15.53	15.43	15.41		
20	QPSK	50	0	14.28	14.33	14.32	14.30	15	1
20	QPSK	50	24	14.26	14.28	14.22	14.24		
20	QPSK	50	50	14.28	14.31	14.19	14.27		
20	QPSK	100	0	14.23	14.38	14.28	14.28	15	1
20	16QAM	1	0	14.49	14.61	14.56	14.57		
20	16QAM	1	49	14.60	14.65	14.52	14.53		
20	16QAM	1	99	14.45	14.59	14.46	14.45	14	2
20	16QAM	50	0	13.21	13.28	13.17	13.18		
20	16QAM	50	24	13.23	13.33	13.26	13.32		
20	16QAM	50	50	13.19	13.31	13.20	13.30	14	2
20	16QAM	100	0	13.23	13.37	13.36	13.28		
20	64QAM	1	0	13.29	13.30	13.25	13.20		
20	64QAM	1	49	13.33	13.38	13.30	13.36	14	2
20	64QAM	1	99	13.30	13.32	13.18	13.30		
20	64QAM	50	0	12.22	12.28	12.19	12.19		
20	64QAM	50	24	12.16	12.23	12.16	12.22	13	3
20	64QAM	50	50	12.30	12.31	12.22	12.26		
20	64QAM	100	0	12.32	12.33	12.30	12.31		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	15.38	15.46	15.38	15.33	16	0
15	QPSK	1	37	15.44	15.52	15.44	15.49		
15	QPSK	1	74	15.49	15.48	15.40	15.41		
15	QPSK	36	0	14.24	14.29	14.19	14.30	15	1
15	QPSK	36	20	14.19	14.26	14.16	14.24		
15	QPSK	36	39	14.22	14.17	14.30	14.16		
15	QPSK	75	0	14.36	14.28	14.34	14.27	15	1
15	16QAM	1	0	14.47	14.50	14.48	14.51		
15	16QAM	1	37	14.60	14.59	14.54	14.55		
15	16QAM	1	74	14.50	14.50	14.58	14.45	14	2
15	16QAM	36	0	13.14	13.16	13.17	13.21		
15	16QAM	36	20	13.24	13.29	13.19	13.32		
15	16QAM	36	39	13.18	13.26	13.25	13.25	14	2
15	16QAM	75	0	13.36	13.24	13.24	13.28		
15	64QAM	1	0	13.18	13.19	13.17	13.22		
15	64QAM	1	37	13.24	13.31	13.35	13.31	14	2
15	64QAM	1	74	13.26	13.27	13.17	13.18		
15	64QAM	36	0	12.22	12.25	12.26	12.21		
15	64QAM	36	20	12.16	12.21	12.22	12.14	13	3
15	64QAM	36	39	12.23	12.21	12.21	12.24		
15	64QAM	75	0	12.26	12.28	12.28	12.24		
Channel				40090	40390	40690	41120	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	15.55	15.33	15.42	15.44	16	0
10	QPSK	1	25	15.49	15.55	15.45	15.56		
10	QPSK	1	49	15.49	15.50	15.42	15.39		
10	QPSK	25	0	14.32	14.20	14.32	14.32	15	1
10	QPSK	25	12	14.19	14.17	14.16	14.13		
10	QPSK	25	25	14.20	14.16	14.16	14.30		
10	QPSK	50	0	14.35	14.27	14.27	14.28	15	1
10	16QAM	1	0	14.50	14.60	14.48	14.48		
10	16QAM	1	25	14.57	14.50	14.64	14.63		
10	16QAM	1	49	14.48	14.49	14.52	14.52	14	2
10	16QAM	25	0	13.20	13.14	13.20	13.27		
10	16QAM	25	12	13.31	13.18	13.22	13.18		
10	16QAM	25	25	13.23	13.27	13.19	13.19	14	2
10	16QAM	50	0	13.33	13.27	13.36	13.35		
10	16QAM	1	0	13.22	13.15	13.29	13.17		
10	64QAM	1	25	13.36	13.34	13.33	13.28	14	2
10	64QAM	1	49	13.28	13.29	13.28	13.31		
10	64QAM	25	0	12.24	12.27	12.21	12.23		
10	64QAM	25	12	12.15	12.18	12.16	12.21	13	3
10	64QAM	25	25	12.27	12.29	12.25	12.22		
10	64QAM	50	0	12.25	12.32	12.32	12.32		
Channel				40095	40395	40695	41125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2567.5	2601.5	2652.5		
5	QPSK	1	0	15.46	15.47	15.46	15.44	16	0
5	QPSK	1	12	15.43	15.44	15.46	15.49		
5	QPSK	1	24	15.50	15.47	15.40	15.46		
5	QPSK	12	0	14.22	14.26	14.29	14.27	15	1
5	QPSK	12	7	14.21	14.20	14.14	14.16		
5	QPSK	12	13	14.22	14.26	14.17	14.21		
5	QPSK	25	0	14.37	14.31	14.36	14.23	14	2
5	16QAM	1	0	14.56	14.49	14.54	14.60		
5	16QAM	1	12	14.57	14.56	14.50	14.56		
5	16QAM	1	24	14.57	14.46	14.54	14.44	15	1
5	16QAM	12	0	13.27	13.18	13.14	13.27		
5	16QAM	12	7	13.29	13.19	13.29	13.28		
5	16QAM	12	13	13.17	13.16	13.29	13.24	14	2
5	16QAM	25	0	13.27	13.35	13.31	13.28		
5	64QAM	1	0	13.26	13.25	13.19	13.29		
5	64QAM	1	12	13.34	13.37	13.30	13.27	14	2
5	64QAM	1	24	13.27	13.22	13.30	13.30		
5	64QAM	12	0	12.21	12.26	12.26	12.16		
5	64QAM	12	7	12.15	12.21	12.18	12.19	13	3
5	64QAM	12	13	12.23	12.27	12.23	12.27		
5	64QAM	25	0	12.27	12.29	12.29	12.27		

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	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	26.06	25.89	26.50	20.05	20.06	19.89	20.50
EDGE 3 Tx slots		23.97	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	810	
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)		1952.4	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	RM-C 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)	MPR (dB)			
Channel											
20	QPSK	1	0	14.79	14.88	14.76	16.5	0			
20	QPSK	1	49	14.77	14.83	14.76					
20	QPSK	1	99	14.78	14.80	14.76					
20	QPSK	50	0	13.75	13.81	13.80	15.5	1			
20	QPSK	50	24	13.76	13.78	13.77					
20	QPSK	50	50	13.74	13.77	13.70					
20	QPSK	100	0	13.90	13.74	13.65	15.5	1			
20	16QAM	1	0	14.24	14.30	14.23					
20	16QAM	1	49	14.18	14.31	14.23					
20	16QAM	1	99	14.17	14.28	14.17	14.5	2			
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	12.99					
20	64QAM	1	49	13.08	13.13	13.00	14.5	2			
20	64QAM	1	99	13.10	13.11	13.00					
20	64QAM	50	0	11.81	11.88	11.78					
20	64QAM	50	24	11.70	11.73	11.69	13.5	3			
20	64QAM	50	50	11.70	11.78	11.77					
20	64QAM	100	0	11.72	11.75	11.70					
Channel											
Frequency (MHz)											
15	QPSK	1	0	14.75	14.80	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	15.5	1			
15	QPSK	36	20	13.75	13.63	13.73					
15	QPSK	36	39	13.68	13.73	13.74					
15	QPSK	75	0	13.69	13.73	13.66	15.5	1			
15	16QAM	1	0	14.18	14.28	14.25					
15	16QAM	1	37	14.22	14.17	14.30					
15	16QAM	1	74	14.18	14.19	14.19	14.5	2			
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	15.5	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	14.5	2			
15	64QAM	1	74	12.99	13.10	12.98					
15	64QAM	36	0	11.87	11.79	11.81					
15	64QAM	36	20	11.67	11.71	11.66	13.5	3			
15	64QAM	36	39	11.76	11.70	11.77					
15	64QAM	75	0	11.72	11.74	11.67					
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	15.5	1			
10	QPSK	25	12	13.68	13.76	13.64					
10	QPSK	25	25	13.71	13.70	13.66					
10	QPSK	50	0	13.64	13.68	13.72	15.5	1			
10	16QAM	1	0	14.21	14.17	14.28					
10	16QAM	1	25	14.18	14.26	14.26					
10	16QAM	1	49	14.27	14.14	14.24	14.5	2			
10	16QAM	25	0	12.68	12.72	12.69					
10	16QAM	25	12	12.79	12.74	12.80					
10	16QAM	25	25	12.65	12.74	12.63	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	14.5	2			
10	64QAM	1	49	12.97	13.05	13.08					
10	64QAM	25	0	11.80	11.86	11.79					
10	64QAM	25	12	11.69	11.68	11.69	13.5	3			
10	64QAM	25	25	11.71	11.70	11.75					
10	64QAM	50	0	11.73	11.74	11.73					
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	15.5	1			
5	QPSK	12	7	13.70	13.76	13.71					
5	QPSK	12	13	13.72	13.70	13.72					
5	QPSK	25	0	13.65	13.62	13.71	15.5	1			
5	16QAM	1	0	14.17	14.24	14.18					
5	16QAM	1	12	14.18	14.20	14.30					
5	16QAM	1	24	14.18	14.14	14.22	14.5	2			
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	12.96					
5	64QAM	1	12	13.10	13.00	13.12	14.5	2			
5	64QAM	1	24	13.10	12.98	12.96					
5	64QAM	12	0	11.84	11.78	11.80					
5	64QAM	12	7	11.84	11.64	11.63	13.5	3			
5	64QAM	12	13	11.71	11.74	11.68					
5	64QAM	25	0	11.68	11.72	11.67					
Channel											
Frequency (MHz)											
3	QPSK	1	0	14.85	14.80	14.82	16.5	0			
3	QPSK	1	8	14.76	14.73	14.84					
3	QPSK	1	14	14.82	14.74	14.75					
3	QPSK	8	0	13.77	13.79	13.69	15.5	1			
3	QPSK	8	4	13.74	13.77	13.68					
3	QPSK	8	7	13.64	13.65	13.72					
3	QPSK	15	0	13.66	13.69	13.72	15.5	1			
3	16QAM	1	0	14.19	14.18	14.20					
3	16QAM	1	8	14.21	14.17	14.26					
3	16QAM	1	14	14.22	14.16	14.13	14.5	2			
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	12.69	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	14.5	2			
3	64QAM	1	14	13.02	13.07	13.04					
3	64QAM	8	0	11.87	11.84	11.80					
3	64QAM	8	4	11.85	11.84	11.71	13.5	3			
3	64QAM	8	7	11.75	11.76	11.69					
3	64QAM	15	0	11.74	11.70	11.72					
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	14.73	15.5	1			
1.4	QPSK	3	1	14.72	14.85	14.76					
1.4	QPSK	3	1	14.74	14.85	14.72					
1.4	QPSK	3	3	13.68	13.80	13.74	14.5	2			
1.4	16QAM	1	0	13.74	13.71	13.73					
1.4	16QAM	1	3	13.65	13.73	13.71					
1.4	16QAM	1	5	13.67	13.71	13.73	15.5	1			
1.4	16QAM	3	0	13.66	13.72	13.74					
1.4	16QAM	3	1	13.73	13.71	13.74					
1.4	16QAM	3	3	12.72	13.07	13.78	14.5	2			
1.4	16QAM	3	3	12.67	12.76	12.80					
1.4	16QAM	3	3	12.66	12.74	12.84					
1.4	16QAM	3	3	12.62	12.72	12.55	14.5	2			
1.4	16QAM	3	3	12.67	12.76	12.80					
1.4	16QAM	3	3	12.65	12.70	12.59					
1.4	64QAM	3	3	11.83	11.78	11.68	13.5	3			
1.4	64QAM	3	3	11.72	11.76	11.71					
1.4	64QAM	3	3	11.71	11.76	11.71					

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	Tune-up limit (dBm)	MPR (dB)	
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			
20	QPSK	1	99	13.64	13.78	13.73			
20	QPSK	50	0	12.49	12.55	12.48	14	1	
20	QPSK	50	24	12.39	12.51	12.40			
20	QPSK	50	50	12.47	12.53	12.46			
20	QPSK	100	0	12.67	12.70	12.61	14	1	
20	16QAM	1	0	12.87	12.89	12.74			
20	16QAM	1	49	12.91	12.92	12.88			
20	16QAM	1	99	12.74	12.78	12.67	13	2	
20	16QAM	50	0	11.68	11.78	11.74			
20	16QAM	50	24	11.58	11.68	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	12	3	
20	64QAM	50	50	10.70	10.71	10.70			
20	64QAM	100	0	10.62	10.69	10.62			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
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	QPSK	1	74	13.68	13.64	13.66			
15	QPSK	36	0	12.45	12.49	12.51	14	1	
15	QPSK	36	20	12.49	12.49	12.43			
15	QPSK	36	39	12.48	12.43	12.41			
15	QPSK	75	0	12.64	12.61	12.55	14	1	
15	16QAM	1	0	12.80	12.75	12.82			
15	16QAM	1	37	12.81	12.88	12.87			
15	16QAM	1	74	12.68	12.76	12.69	13	2	
15	16QAM	36	0	11.68	11.68	11.76			
15	16QAM	36	20	11.55	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	12	3	
15	64QAM	36	39	10.63	10.68	10.66			
15	64QAM	75	0	10.62	10.65	10.67			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	13.69	13.68	13.77			
10	QPSK	1	25	13.81	13.76	13.83			
10	QPSK	1	49	13.63	13.73	13.68			
10	QPSK	25	0	12.50	12.42	12.41	14	1	
10	QPSK	25	12	12.49	12.41	12.46			
10	QPSK	25	25	12.51	12.39	12.38			
10	QPSK	50	0	12.66	12.68	12.59	14	1	
10	16QAM	1	0	12.85	12.82	12.76			
10	16QAM	1	25	12.90	12.85	12.78			
10	16QAM	1	49	12.71	12.73	12.68	13	2	
10	16QAM	25	0	11.73	11.69	11.71			
10	16QAM	25	12	11.59	11.53	11.60			
10	16QAM	25	25	11.56	11.61	11.62	13	2	
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	12	3	
10	64QAM	25	25	10.63	10.61	10.61			
10	64QAM	50	0	10.66	10.59	10.61			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
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			
5	QPSK	1	24	13.74	13.69	13.67			
5	QPSK	12	0	12.45	12.53	12.52	14	1	
5	QPSK	12	7	12.49	12.44	12.49			
5	QPSK	12	13	12.46	12.42	12.42			
5	QPSK	25	0	12.55	12.60	12.69	14	1	
5	16QAM	1	0	12.83	12.86	12.82			
5	16QAM	1	12	12.84	12.79	12.81			
5	16QAM	1	24	12.64	12.73	12.68	13	2	
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	11.66	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	11.66	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	12	3	
5	64QAM	12	13	10.64	10.63	10.69			
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 Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	14.39	14.50	14.48	14.40	15	0
20	QPSK	1	49	14.46	14.52	14.51	14.48		
20	QPSK	1	99	14.39	14.48	14.35	14.33		
20	QPSK	50	0	13.25	13.28	13.27	13.23	14	1
20	QPSK	50	24	13.20	13.23	13.23	13.11		
20	QPSK	50	50	13.13	13.19	13.14	13.14		
20	QPSK	100	0	13.27	13.35	13.25	13.24	14	1
20	16QAM	1	0	13.29	13.32	13.31	13.24		
20	16QAM	1	49	13.50	13.57	13.54	13.49		
20	16QAM	1	99	13.50	13.52	13.44	13.47	13	2
20	16QAM	50	0	12.40	12.43	12.34	12.32		
20	16QAM	50	24	12.29	12.39	12.25	12.33		
20	16QAM	50	50	12.26	12.38	12.32	12.30	13	2
20	16QAM	100	0	12.18	12.32	12.17	12.24		
20	64QAM	1	0	12.19	12.28	12.22	12.22	13	2
20	64QAM	1	49	12.27	12.31	12.30	12.23		
20	64QAM	1	99	12.31	12.33	12.29	12.19		
20	64QAM	50	0	11.43	11.45	11.36	11.38	12	3
20	64QAM	50	24	11.26	11.35	11.25	11.30		
20	64QAM	50	50	11.30	11.38	11.29	11.35		
20	64QAM	100	0	11.24	11.33	11.26	11.26		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	14.36	14.47	14.35	14.46	15	0
15	QPSK	1	37	14.41	14.43	14.38	14.37		
15	QPSK	1	74	14.33	14.41	14.34	14.37		
15	QPSK	36	0	13.26	13.23	13.19	13.20	14	1
15	QPSK	36	20	13.08	13.09	13.20	13.20		
15	QPSK	36	39	13.10	13.10	13.05	13.04	13	2
15	QPSK	75	0	13.21	13.25	13.24	13.25		
15	16QAM	1	0	13.21	13.28	13.28	13.17		
15	16QAM	1	37	13.43	13.54	13.56	13.53	14	1
15	16QAM	1	74	13.42	13.47	13.40	13.44		
15	16QAM	36	0	12.42	12.39	12.33	12.36	13	2
15	16QAM	36	20	12.27	12.32	12.33	12.35		
15	16QAM	36	39	12.25	12.35	12.36	12.34		
15	16QAM	75	0	12.19	12.29	12.29	12.21	13	2
15	64QAM	1	0	12.18	12.14	12.24	12.17		
15	64QAM	1	37	12.19	12.26	12.19	12.29	12	3
15	64QAM	1	74	12.28	12.31	12.22	12.21		
15	64QAM	36	0	11.37	11.37	11.43	11.42		
15	64QAM	36	20	11.29	11.28	11.25	11.31	12	3
15	64QAM	36	39	11.33	11.31	11.31	11.35		
15	64QAM	75	0	11.30	11.28	11.28	11.26		
Channel				40090	40390	40690	41120	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	14.49	14.43	14.38	14.40	15	0
10	QPSK	1	25	14.41	14.51	14.47	14.50		
10	QPSK	1	49	14.44	14.48	14.33	14.37		
10	QPSK	25	0	13.16	13.14	13.14	13.24	14	1
10	QPSK	25	12	13.13	13.21	13.09	13.16		
10	QPSK	25	25	13.18	13.07	13.07	13.14		
10	QPSK	50	0	13.23	13.30	13.24	13.23	14	1
10	16QAM	1	0	13.21	13.24	13.29	13.21		
10	16QAM	1	25	13.34	13.42	13.52	13.43		
10	16QAM	1	49	13.49	13.42	13.40	13.45	13	2
10	16QAM	25	0	12.40	12.30	12.35	12.42		
10	16QAM	25	12	12.35	12.27	12.34	12.29	13	2
10	16QAM	25	25	12.29	12.23	12.27	12.23		
10	16QAM	50	0	12.19	12.25	12.19	12.19		
10	64QAM	1	0	12.26	12.14	12.27	12.21	12	3
10	64QAM	1	25	12.26	12.24	12.24	12.30		
10	64QAM	1	49	12.19	12.24	12.32	12.29		
10	64QAM	25	0	11.38	11.37	11.42	11.35	12	3
10	64QAM	25	12	11.29	11.32	11.31	11.33		
10	64QAM	25	25	11.32	11.36	11.28	11.34		
10	64QAM	50	0	11.31	11.25	11.28	11.28		
Channel				40055	40355	40655	41075	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537	2569.5	2601.5	2652.5		
5	QPSK	1	0	14.44	14.39	14.40	14.48	15	0
5	QPSK	1	12	14.42	14.39	14.48	14.39		
5	QPSK	1	24	14.40	14.42	14.35	14.47		
5	QPSK	12	0	13.17	13.13	13.20	13.20	14	1
5	QPSK	12	7	13.08	13.16	13.15	13.16		
5	QPSK	12	13	13.07	13.14	13.13	13.13		
5	QPSK	25	0	13.32	13.34	13.30	13.24	14	1
5	16QAM	1	0	13.18	13.20	13.25	13.29		
5	16QAM	1	12	13.43	13.48	13.52	13.45		
5	16QAM	1	24	13.40	13.46	13.41	13.48	13	2
5	16QAM	12	0	12.28	12.32	12.34	12.34		
5	16QAM	12	7	12.34	12.33	12.32	12.32		
5	16QAM	12	13	12.23	12.32	12.33	12.27	13	2
5	16QAM	25	0	12.20	12.19	12.29	12.23		
5	64QAM	1	0	12.17	12.22	12.23	12.18	13	2
5	64QAM	1	12	12.26	12.28	12.23	12.27		
5	64QAM	1	24	12.23	12.28	12.18	12.32		
5	64QAM	12	0	11.42	11.39	11.37	11.37	12	3
5	64QAM	12	7	11.27	11.27	11.27	11.28		
5	64QAM	12	13	11.28	11.33	11.31	11.32		
5	64QAM	25	0	11.31	11.32	11.26	11.27		

Reduced Power For Handheld 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	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	20.06	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	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		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		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		17.49	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. 18700	Power Middle Ch./Freq. 18900	Power High Ch./Freq. 19100	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				1860	1880	1900						
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	17.61	19.5	1				
20	QPSK	50	50	17.60	17.63	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	16.54						
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	17.5	3				
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						
Channel												
Frequency (MHz)				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)				
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	18.22	18.24	18.17	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	15.56	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				
Channel												
Frequency (MHz)				18650	18900	19100				Tune-up limit (dBm)	MPR (dB)	
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	17.57	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	17.08						
10	64QAM	1	49	16.95	16.96	16.97	18.5	2				
10	64QAM	25	0	15.66	15.66	15.58						
10	64QAM	25	12	15.63	15.56	15.54						
10	64QAM	25	25	15.68	15.67	15.68						
10	64QAM	50	0	15.62	15.62	15.64	17.5	3				
Channel												
Frequency (MHz)				18625	18900	19175				Tune-up limit (dBm)	MPR (dB)	
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	17.50	17.55	17.58						
5	QPSK	25	0	17.58	17.59	17.61						
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				
Channel												
Frequency (MHz)				18615	18900	19185				Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	18.68	18.77	18.81	20.5	0				
3	QPSK	1	8	18.76	18.76	18.76						
3	QPSK	1	14	18.82	18.70	18.75						
3	QPSK	8	0	17.64	17.61	17.74						
3	QPSK	8	4	17.62	17.64	17.59	19.5	1				
3	QPSK	8	7	17.60	17.53	17.54						
3	QPSK	15	0	17.55	17.56	17.59						
3	16QAM	1	0	18.09	18.06	18.20						
3	16QAM	1	8	18.10	18.24	18.21	19.5	1				
3	16QAM	1	14	18.15	18.12	18.15						
3	16QAM	8	0	16.60	16.64	16.61						
3	16QAM	8	4	16.59	16.58	16.70						
3	16QAM	8	7	16.63	16.58	16.68	18.5	2				
3	16QAM	15	0	16.70	16.71	16.69						
3	64QAM	1	0	17.04	17.05	17.00						
3	64QAM	1	8	17.07	17.02	17.00						
3	64QAM	1	14	17.04	17.07	17.06	18.5	2				
3	64QAM	8	0	15.66	15.65	15.67						
3	64QAM	8	4	15.58	15.65	15.58						
3	64QAM	8	7	15.61	15.61	15.61						
3	64QAM	15	0	15.67	15.62	15.65	17.5	3				
Channel												
Frequency (MHz)				18607	18900	19193				Tune-up limit (dBm)	MPR (dB)	
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	18.77						
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	17.65	17.68	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	3	0	16.56	16.60	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	15.83	15.66	15.61	17.5	3				

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	17.25	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				37750	38000	38175	Tune-up limit (dBm)	MPR (dB)	
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	17.91	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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2615	2625	2635			
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	25	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	25	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	25	16.00	16.19	16.04			
10	64QAM	50	0	16.08	16.12	16.10			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
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 Low Ch. / Freq.	Power Middle High 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	19.96	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	18.95	19.06	19.02	18.83	18.5	2
20	16QAM	50	0	17.69	17.82	17.74	17.54		
20	16QAM	50	24	17.83	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	17.75	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	16.67	16.77	16.70	16.69		
20	64QAM	100	0	16.77	16.81	16.90	16.71		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
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	18.68	18.81	18.69	18.64	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	18.63	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	18.88	18.79	18.5	2
15	16QAM	36	0	17.67	17.68	17.75	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	17.74	17.76	17.75	17.54		
15	64QAM	36	0	16.69	16.65	16.61	16.46		
15	64QAM	36	20	16.60	16.83	16.61	16.57	17.5	3
15	64QAM	36	39	16.68	16.80	16.67	16.58		
15	64QAM	75	0	16.67	16.81	16.67	16.53		
Channel				40095	40380	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				25440	25720	26010	26500		
10	QPSK	1	0	19.93	19.87	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	18.71	18.70	18.50	19.5	1
10	QPSK	25	12	18.61	18.75	18.69	18.71		
10	QPSK	25	25	18.69	18.71	18.66	18.61		
10	QPSK	50	0	18.67	18.86	18.71	18.53	19.5	1
10	16QAM	1	0	18.93	18.98	19.07	18.89		
10	16QAM	1	25	19.06	19.06	18.89	18.84		
10	16QAM	1	49	18.91	18.98	18.85	18.72	18.5	2
10	16QAM	25	0	17.67	17.71	17.67	17.47		
10	16QAM	25	12	17.68	17.69	17.82	17.67		
10	16QAM	25	25	17.68	17.70	17.72	17.56	18.5	2
10	16QAM	50	0	17.70	17.82	17.72	17.67		
10	64QAM	1	0	17.74	17.78	17.66	17.49		
10	64QAM	1	25	17.73	17.82	17.83	17.69	18.5	2
10	64QAM	1	49	17.79	17.81	17.70	17.63		
10	64QAM	25	0	16.71	16.71	16.61	16.57		
10	64QAM	25	12	16.53	16.64	16.64	16.60	17.5	3
10	64QAM	25	25	16.78	16.80	16.71	16.52		
10	64QAM	50	0	16.77	16.69	16.81	16.61		
Channel				40065	40385	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				25375	25700	26015	26525		
5	QPSK	1	0	19.97	19.90	19.99	19.86	20.5	0
5	QPSK	1	12	19.87	20.04	19.87	19.83		
5	QPSK	1	24	19.93	19.94	19.85	19.71		
5	QPSK	12	0	18.75	18.74	18.83	18.70	19.5	1
5	QPSK	12	7	18.70	18.74	18.60	18.53		
5	QPSK	12	13	18.78	18.70	18.62	18.67		
5	QPSK	12	0	18.71	18.85	18.63	18.63	19.5	1
5	16QAM	1	0	18.94	18.98	18.96	18.86		
5	16QAM	1	12	19.06	19.14	18.94	18.92		
5	16QAM	1	24	18.82	18.96	18.91	18.80	18.5	2
5	16QAM	12	0	17.68	17.71	17.67	17.56		
5	16QAM	12	7	17.58	17.75	17.72	17.65		
5	16QAM	12	13	17.66	17.75	17.75	17.82	18.5	2
5	16QAM	25	0	17.71	17.78	17.67	17.62		
5	64QAM	1	0	17.68	17.69	17.57	17.55		
5	64QAM	1	12	17.75	17.79	17.80	17.71	18.5	2
5	64QAM	1	24	17.78	17.70	17.74	17.65		
5	64QAM	12	0	16.59	16.77	16.57	16.59		
5	64QAM	12	7	16.54	16.71	16.67	16.47	17.5	3
5	64QAM	12	13	16.71	16.69	16.62	16.56		
5	64QAM	25	0	16.79	16.70	16.78	16.60		

Conducted Power for WLAN/Bluetooth

2.4GHz WLAN_Ant.2			Full Power		Head		Hotspot		Body Worn		Handheld		Duty Cycle	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.21	20.00	16.75	18.50	17.06	19.00	17.06	19.00	18.21	20.00	99.31
		6	2437	18.18	20.00	16.78	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	
	802.11g 6Mbps	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	
	802.11n-HT20 MCS0	11	2462	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-HT40 MCS0	6	2437	16.92	18.50	16.92	18.50	16.92	18.50	16.92	18.50	16.92	18.50	93.73
		11	2462	19.05	19.50	15.05	16.50	19.05	19.50	15.05	16.50	19.05	19.50	
		3	2422	11.54	13.00	11.54	13.00	11.54	13.00	11.54	13.00	11.54	13.00	
	802.11n-HT40 MCS0	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			
5.2GHz WLAN	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
		40	5200	17.75	19.50	16.68	18.50	16.84	18.50	17.75	19.50	17.75	19.50
		44	5220	17.81	19.50	16.73	18.50	16.90	18.50	17.81	19.50	17.81	19.50
	802.11n-HT20 MCS0	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
		40	5200	17.30	19.00	16.53	18.50	16.50	18.50	17.30	19.00	17.30	19.00
	802.11n-HT40 MCS0	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
	802.11ac-VHT20 MCS0	38	5190	16.61	18.50	16.61	18.50	16.61	18.50	16.61	18.50	16.61	18.50
		46	5230	16.62	18.50	16.62	18.50	16.62	18.50	16.62	18.50	16.62	18.50
	802.11ac-VHT40 MCS0	36	5180	16.13	17.50	16.13	17.50	16.13	17.50	16.13	17.50	16.13	17.50
		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 MCS0	48	5240	17.81	19.50	16.76	18.50	16.79	18.50	17.81	19.50	17.81	19.50
		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
	802.11ac-VHT80 MCS0	42	5210	14.55	16.00	14.55	16.00	14.55	16.00	14.55	16.00	14.55	16.00

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		
5.3GHz WLAN	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	16.90	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	
		56	5280	17.79	19.50	16.70	18.50	17.79	19.50	17.79	19.50	
	802.11n-HT20 MCS0	60	5300	17.83	19.50	16.83	18.50	17.83	19.50	17.83	19.50	96.77
		64	5320	17.30	19.00	16.78	18.50	17.30	19.00	17.30	19.00	
	802.11n-HT40 MCS0	54	5270	16.65	18.50	16.65	18.50	16.65	18.50	16.65	18.50	93.73
		62	5310	16.17	18.00	16.17	18.00	16.17	18.00	16.17	18.00	
	802.11ac-VHT20 MCS0	52	5260	17.85	19.50	16.79	18.50	17.85	19.50	17.85	19.50	96.79
		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-VHT40 MCS0	64	5320	17.35	19.00	16.89	18.50	17.35	19.00	17.35	19.00	93.75
		54	5270	16.70	18.50	16.70	18.50	16.70	18.50	16.70	18.50	
	802.11ac-VHT80 MCS0	62	5310	16.23	18.00	16.23	18.00	16.23	18.00	16.23	18.00	88.23
		58	5290	14.79	16.00	14.79	16.00	14.79	16.00	14.79	16.00	

5.50GHz 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		
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.94	19.50	15.84	17.50	14.13	15.50	17.94	19.50	96.1
		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	17.90	19.50	15.74	17.50	14.16	15.50	17.90	19.50	
		144	5720	17.81	19.50	15.78	17.50	13.97	15.50	17.81	19.50	
	802.11n-HT20 MCS0	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	
		132	5660	17.50	19.50	15.57	17.50	13.50	15.50	17.50	19.50	
		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	
	802.11n-HT40 MCS0	102	5510	16.73	18.50	15.68	17.50	13.58	15.50	16.73	18.50	93.73
		110	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	
		134	5670	16.50	18.50	15.50	17.50	13.57	15.50	16.50	18.50	
		142	5710	16.59	18.50	15.53	17.50	13.61	15.50	16.99	18.50	
		100	5500	17.90	19.50	15.87	17.50	13.95	15.50	17.90	19.50	
	802.11ac-VHT20 MCS0	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	
		140	5700	16.26	18.00	15.61	17.50	13.85	15.50	16.26	18.00	
		144	5720	17.73	19.50	15.64	17.50	13.75	15.50	17.73	19.50	
		102	5610	16.75	18.50	15.66	17.50	13.87	15.50	16.75	18.50	
	802.11ac-VHT40 MCS0	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	
		142	5710	16.62	18.50	15.53	17.50	13.67	15.50	16.62	18.50	
		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	
	802.11ac-VHT80 MCS0	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		
5.8GHz WLAN	802.11a 6Mbps	149	5745	18.15	19.50	17.13	18.50	15.01	16.00	15.01	16.00	18.15	19.50	96.97
		157	5785	18.20	19.50	17.19	18.50	15.06	16.00	15.06	16.00	18.20	19.50	
		165	5825	18.14	19.50	17.05	18.50	14.94	16.00	14.94	16.00	18.14	19.50	
	802.11n-720 MCS0	149	5745	18.15	19.50	17.13	18.50	15.01	16.00	15.01	16.00	18.15	19.50	96.77
		157	5785	17.95	19.50	16.87	18.50	14.71	16.00	14.71	16.00	17.95	19.50	
		165	5825	17.93	19.50	16.93	18.50	14.70	16.00	14.70	16.00	17.93	19.50	
	802.11n-740 MCS0	151	5785	16.96	18.50	16.96	18.50	14.69	16.00	14.69	16.00	16.96	18.50	93.73
		159	5795	17.04	19.50	17.04	18.50	14.70	16.00	14.70	16.00	17.04	18.50	
		149	5745	18.05	19.50	17.05	18.50	14.83	16.00	14.83	16.00	18.05	19.50	
	802.11ac-VHT20 MCS0	157	5785	18.00	19.50	16.97	18.50	14.74	16.00	14.74	16.00	18.00	19.50	96.79
		165	5825	17.99	19.50	16.91	18.50	14.69	16.00	14.69	16.00	17.99	19.50	
		159	5795	17.90	19.50	17.00	18.50	14.72	16.00	14.72	16.00	17.90	19.50	
802.11ac-VHT40 MCS0	159	5795	17.06	18.50	17.06	18.50	14.79	16.00	14.79	16.00	17.06	18.50	93.75	
	155	5775	16.46	17.50	16.46	17.50	15.02	16.00	15.02	16.00	16.46	17.50		

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