

Full Power Mode

GSM900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	32.90	32.96	32.72	33.50	23.90	23.96	23.72	24.50
GPRS 1 Tx slots	32.91	33.00	32.87	33.50	23.91	24.00	23.87	24.50
GPRS 2 Tx slots	30.77	30.86	30.76	32.00	24.77	24.86	24.76	26.00
GPRS 3 Tx slots	28.53	28.55	28.60	30.00	24.27	24.29	24.34	25.74
GPRS 4 Tx slots	26.60	26.55	26.58	28.50	23.60	23.55	23.58	25.50
EDGE 1 Tx slot	26.95	26.02	26.67	28.50	17.85	17.62	17.87	19.50
EDGE 2 Tx slots	24.75	24.64	24.71	26.00	18.75	18.64	18.71	20.00
EDGE 3 Tx slots	22.33	22.48	22.42	23.50	18.07	18.22	18.16	19.24
EDGE 4 Tx slots	19.73	19.75	19.76	21.00	16.73	16.75	16.76	18.00

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	512	661	810	512	661	810	512	661
Frequency (MHz)	1850.2	1860	1908.8	1850.2	1860	1908.8	1850.2	1860
GSM 1 Tx slot	29.50	29.55	29.57	30.50	20.50	20.55	20.57	21.50
GPRS 1 Tx slot	29.65	29.66	29.60	30.50	20.65	20.66	20.60	21.50
GPRS 2 Tx slots	27.40	27.44	27.42	28.50	21.40	21.44	21.42	22.50
GPRS 3 Tx slots	24.88	24.85	24.82	26.00	20.82	20.59	20.56	21.74
GPRS 4 Tx slots	23.32	23.50	23.30	24.50	20.32	20.50	20.30	21.50
EDGE 1 Tx slot	26.18	25.99	25.94	27.00	17.18	16.99	16.94	18.00
EDGE 2 Tx slots	24.16	23.90	23.83	24.50	18.16	17.90	17.83	18.50
EDGE 3 Tx slots	21.70	21.81	21.79	22.00	17.44	17.55	17.53	17.74
EDGE 4 Tx slots	19.84	19.77	19.67	21.00	16.84	16.77	16.67	18.00

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		5262	9400	9538		4132	4182	4233	
Rx Channel		9662	9680	9938	4357	4407	4458		
Frequency (MHz)		1852.4	1860	1907.6	836.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	22.75	22.76	22.68	24.00	23.10	23.22	23.15	24.00
3GPP Rel 99	AMR 12.2Kbps	22.88	22.92	22.90	24.00	23.30	23.35	23.20	24.00
3GPP Rel 6	HSDPA Subtest-1	21.98	21.88	22.02	23.00	21.88	22.02	21.88	23.00
3GPP Rel 6	HSDPA Subtest-2	21.95	21.98	22.06	23.00	21.97	22.22	22.04	23.00
3GPP Rel 6	HSDPA Subtest-3	21.47	21.42	21.48	22.50	21.55	21.75	21.66	22.50
3GPP Rel 6	HSDPA Subtest-4	21.45	21.54	21.52	22.50	21.44	21.67	21.62	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.96	21.91	21.93	23.00	21.97	21.98	22.06	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.80	21.96	21.94	23.00	21.97	22.00	21.92	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.34	21.38	21.45	22.50	21.74	21.76	21.65	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.38	21.42	21.35	22.50	21.70	21.72	21.69	22.50
3GPP Rel 6	HSUPA Subtest-1	21.92	22.00	22.01	23.00	21.88	21.57	22.03	23.00
3GPP Rel 6	HSUPA Subtest-2	19.96	19.95	19.91	21.00	20.09	20.15	20.00	21.00
3GPP Rel 6	HSUPA Subtest-3	20.93	21.01	21.11	22.00	20.99	21.06	20.98	22.00
3GPP Rel 6	HSUPA Subtest-4	19.83	20.02	20.15	21.00	20.11	20.23	20.14	21.00
3GPP Rel 6	HSUPA Subtest-5	22.01	22.06	22.08	23.00	21.94	22.08	21.99	23.00



Band 2														
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Ch / Freq	Power Hsp Ch / Freq	Power Hsp Ch / Freq	Turn-up Time (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.59	22.60	22.57	24	0						
20	QPSK	1	49	22.52	22.59	22.56								
20	QPSK	1	99	22.63	22.72	22.80								
20	QPSK	50	0	21.87	21.89	21.76								
20	QPSK	150	0	21.74	21.79	21.72	23	1						
20	QPSK	50	50	21.71	21.80	21.70								
20	QPSK	100	0	21.81	21.83	21.73								
20	QPSK	150	0	21.47	21.48	21.51								
20	16QAM	1	49	21.21	21.59	21.90	23	1						
20	16QAM	1	99	21.58	21.54	21.60								
20	16QAM	50	0	20.80	20.81	20.77								
20	16QAM	50	24	20.50	20.52	20.54								
20	16QAM	50	50	20.77	20.67	20.79	22	2						
20	16QAM	100	0	20.50	20.70	20.65								
20	64QAM	1	0	20.69	20.50	20.36								
20	64QAM	1	49	20.50	20.56	20.50								
20	64QAM	1	99	20.53	20.30	20.67	22	2						
20	64QAM	50	0	19.85	19.70	19.73								
20	64QAM	50	24	19.72	19.94	19.14								
20	64QAM	50	50	19.77	19.55	19.80								
20	64QAM	100	0	19.87	19.80	19.85	21	3						
Channel														
Frequency (MHz)														
16	QPSK	1	0	22.57	22.60	22.30	24	0						
16	QPSK	1	37	22.87	23.01	22.80								
16	QPSK	1	74	22.73	22.30	22.56								
16	QPSK	36	0	21.79	21.76	21.67								
16	QPSK	36	25	21.61	21.72	21.63	23	1						
16	QPSK	75	0	21.72	21.68	21.61								
16	QPSK	75	0	21.72	21.81	21.64								
16	16QAM	1	0	21.36	21.63	21.40								
16	16QAM	1	37	21.14	21.67	21.82	23	1						
16	16QAM	1	74	21.51	21.41	21.62								
16	16QAM	36	0	20.79	20.78	20.72								
16	16QAM	36	25	20.71	20.70	20.74								
16	16QAM	36	39	20.76	20.60	20.76	22	2						
16	16QAM	75	0	20.65	20.72	20.62								
16	16QAM	75	0	21.47	21.50	21.24								
16	64QAM	1	37	21.83	21.85	21.83								
16	64QAM	1	74	21.87	21.87	21.70	22	2						
16	64QAM	36	0	20.31	20.19	20.23								
16	64QAM	36	25	20.13	20.38	20.16								
16	64QAM	36	39	20.15	20.15	20.15								
16	64QAM	75	0	20.23	20.16	20.20	21	3						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.50	22.50	22.37	24	0						
10	QPSK	1	25	22.92	23.01	22.80								
10	QPSK	1	49	22.68	22.23	22.54								
10	QPSK	1	74	22.72	22.30	22.56								
10	QPSK	25	12	21.63	21.73	21.84	23	1						
10	QPSK	25	25	21.62	21.56	21.60								
10	QPSK	50	0	21.74	21.71	21.67								
10	16QAM	1	0	21.47	21.52	21.39								
10	16QAM	1	25	21.56	21.51	21.78	23	1						
10	16QAM	1	49	21.46	21.51	21.65								
10	16QAM	25	0	20.74	20.67	20.70								
10	16QAM	25	12	20.76	20.60	20.49								
10	16QAM	50	0	20.79	20.72	20.57	22	2						
10	16QAM	50	12	20.73	20.64	20.74								
10	64QAM	1	25	21.87	21.77	21.83								
10	64QAM	1	49	21.37	21.20	21.14								
10	64QAM	25	0	20.17	20.39	20.09	21	3						
10	64QAM	25	12	20.17	20.39	20.09								
10	64QAM	50	0	20.16	20.08	20.26								
10	64QAM	50	12	20.16	20.12	20.22								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.57	22.62	22.47	24	0						
5	QPSK	1	12	22.77	22.62	22.78								
5	QPSK	1	24	22.77	22.62	22.78								
5	QPSK	12	0	21.84	21.81	21.65								
5	QPSK	12	7	21.68	21.76	21.61	23	1						
5	QPSK	12	13	21.68	21.68	21.68								
5	QPSK	25	0	21.78	21.78	21.64								
5	16QAM	1	0	21.36	21.65	21.48								
5	16QAM	1	12	21.37	21.65	21.65	23	1						
5	16QAM	1	24	21.20	21.42	21.64								
5	16QAM	12	0	20.86	20.74	20.88								
5	16QAM	12	7	20.86	20.74	20.88								
5	16QAM	12	13	20.86	20.69	20.70	22	2						
5	16QAM	25	0	20.79	20.70	20.76								
5	16QAM	25	12	20.79	20.70	20.76								
5	16QAM	25	25	20.79	20.70	20.76								
5	64QAM	1	12	21.81	21.71	21.71	22	2						
5	64QAM	1	24	21.36	21.69	21.53								
5	64QAM	12	0	20.92	20.80	20.92								
5	64QAM	12	7	20.92	20.36	20.36								
5	64QAM	12	13	20.26	20.11	20.18	21	3						
5	64QAM	25	0	20.16	20.11	20.18								
5	64QAM	25	12	20.16	20.11	20.18								
5	64QAM	25	25	20.16	20.11	20.18								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.50	22.50	22.26	24	0						
3	QPSK	1	8	22.85	22.98	22.73								
3	QPSK	1	16	22.79	22.34	22.52								
3	QPSK	8	0	21.68	21.76	21.71								
3	QPSK	8	4	21.64	21.76	21.74	23	1						
3	QPSK	8	7	21.73	21.68	21.68								
3	QPSK	8	13	21.73	21.68	21.68								
3	QPSK	16	0	21.39	21.63	21.48								
3	QPSK	16	8	21.68	21.62	21.81	23	1						
3	QPSK	16	16	21.68	21.62	21.81								
3	QPSK	32	0	20.79	20.72	20.87								
3	QPSK	32	4	20.65	20.61	20.56								
3	16QAM	1	8	21.68	21.62	21.81	22	2						
3	16QAM	1	16	21.68	21.62	21.81								
3	16QAM	32	0	20.79	20.72	20.87								
3	16QAM	32	4	20.65	20.61	20.56								
3	16QAM	16	0	20.71	20.67	20.65	22	2						
3	16QAM	16	8	20.71	20.67	20.65								
3	64QAM	1	0	21.46	21.48	21.14								
3	64QAM	1	8	21.46	21.79	21.80								
3	64QAM	16	0	21.32	21.14	21.60	22	2						
3	64QAM	16	8	20.92	20.10	20.10								
3	64QAM	32	0	20.06	19.98	20.02								
3	64QAM	32	4	20.06	19.98	20.02								
3	64QAM	32	7	20.14	20.12	20.23	21	3						
3	64QAM	32	13	20.14	20.12	20.23								
Channel														
Frequency (MHz)														
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30								
1.4	QPSK	15	0	20.31	20.20	20.30	24	0						
1.4	QPSK	15</												

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	22.68	22.82	22.49	24	0	
20	QPSK	1	49	22.92	22.99	22.76			
20	QPSK	1	99	22.70	22.74	22.64			
20	QPSK	50	0	22.49	22.51	22.35			
20	QPSK	50	24	22.43	22.48	22.34	23	1	
20	QPSK	50	50	22.40	22.46	22.28			
20	QPSK	100	0	22.41	22.45	22.35			
20	16QAM	1	0	22.33	22.30	22.25			
20	16QAM	1	49	21.87	21.97	21.93	23	1	
20	16QAM	1	99	21.91	21.93	21.92			
20	16QAM	50	0	21.50	21.29	21.33			
20	16QAM	50	24	21.45	21.45	21.36	22	2	
20	16QAM	50	50	21.52	21.38	21.30			
20	16QAM	100	0	21.47	21.43	21.27			
20	64QAM	1	0	21.38	21.33	21.20			
20	64QAM	1	49	20.48	20.54	20.49	22	2	
20	64QAM	1	99	20.37	20.30	20.21			
20	64QAM	50	0	19.97	19.94	19.90			
20	64QAM	50	24	20.12	19.97	19.90	21	3	
20	64QAM	50	50	20.10	19.87	19.87			
20	64QAM	100	0	20.05	20.00	19.94			
Channel				37925	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.65	22.78	22.46	24	0	
15	QPSK	1	37	22.92	22.96	22.74			
15	QPSK	1	74	22.76	22.61	22.49			
15	QPSK	36	0	22.47	22.31	22.21	23	1	
15	QPSK	36	20	22.40	22.38	22.30			
15	QPSK	36	39	22.42	22.42	22.25			
15	QPSK	75	0	22.31	22.26	22.23			
15	16QAM	1	0	22.30	22.20	22.21			
15	16QAM	1	37	21.82	21.91	21.81	23	1	
15	16QAM	1	74	21.77	21.83	21.88			
15	16QAM	36	0	21.38	21.16	21.25	22	2	
15	16QAM	36	20	21.43	21.36	21.28			
15	16QAM	36	39	21.38	21.38	21.22			
15	16QAM	75	0	21.39	21.28	21.26			
15	64QAM	1	0	21.25	21.32	21.08			
15	64QAM	1	37	20.34	20.45	20.40	22	2	
15	64QAM	1	74	20.27	20.20	20.07			
15	64QAM	36	0	19.92	19.88	19.86	21	3	
15	64QAM	36	20	20.08	19.95	19.88			
15	64QAM	36	39	20.14	20.00	19.84			
15	64QAM	75	0	20.06	20.01	19.75			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.68	22.80	22.47	24	0	
10	QPSK	1	25	22.96	22.91	22.75			
10	QPSK	1	49	22.75	22.61	22.60			
10	QPSK	25	0	22.44	22.34	22.30	23	1	
10	QPSK	25	12	22.39	22.43	22.28			
10	QPSK	25	25	22.47	22.44	22.18			
10	QPSK	50	0	22.44	22.26	22.35			
10	16QAM	1	0	22.21	22.19	22.17	23	1	
10	16QAM	1	25	21.78	21.85	21.81			
10	16QAM	1	49	21.80	21.85	21.89			
10	16QAM	25	0	21.50	21.19	21.19	22	2	
10	16QAM	25	12	21.38	21.30	21.28			
10	16QAM	25	25	21.51	21.25	21.30			
10	16QAM	50	0	21.40	21.31	21.23			
10	64QAM	1	0	21.24	21.18	21.17	22	2	
10	64QAM	1	25	20.33	20.43	20.34			
10	64QAM	1	49	20.32	20.24	20.08			
10	64QAM	25	0	19.93	19.79	19.84	21	3	
10	64QAM	25	12	19.97	19.93	19.77			
10	64QAM	25	25	20.24	19.95	19.77			
10	64QAM	50	0	20.11	19.79	19.84			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.57	22.67	22.37	24	0	
5	QPSK	1	12	22.93	22.91	22.75			
5	QPSK	1	24	22.69	22.70	22.61			
5	QPSK	12	0	22.34	22.30	22.26	23	1	
5	QPSK	12	7	22.39	22.35	22.34			
5	QPSK	12	13	22.43	22.43	22.20			
5	QPSK	25	0	22.42	22.38	22.20			
5	16QAM	1	0	22.23	22.28	22.10	23	1	
5	16QAM	1	12	21.82	21.90	21.87			
5	16QAM	1	24	21.88	21.81	21.88			
5	16QAM	12	0	21.43	21.23	21.23	22	2	
5	16QAM	12	7	21.35	21.43	21.22			
5	16QAM	12	13	21.44	21.34	21.23			
5	16QAM	25	0	21.32	21.41	21.19			
5	64QAM	1	0	21.31	21.24	21.13	22	2	
5	64QAM	1	12	20.40	20.45	20.34			
5	64QAM	1	24	20.35	20.26	20.20			
5	64QAM	12	0	19.82	19.94	19.85	21	3	
5	64QAM	12	7	20.09	19.91	19.84			
5	64QAM	12	13	19.84	19.88	19.72			
5	64QAM	25	0	20.20	20.12	19.75			

Band 41										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2508	2549.5	2593	2634.5	2676		
20	QPSK	1	0	22.60	22.80	22.87	22.69	22.83	24	0
20	QPSK	1	49	22.93	23.19	23.08	23.05	23.01		
20	QPSK	1	99	22.97	23.07	23.10	22.97	22.70		
20	QPSK	50	0	22.39	22.68	22.61	22.54	22.47		
20	QPSK	50	24	22.39	22.61	22.59	22.55	22.51	23	1
20	QPSK	50	50	22.46	22.59	22.57	22.51	22.48		
20	QPSK	100	0	22.37	22.60	22.58	22.48	22.43		
20	16QAM	1	0	21.75	21.95	22.15	21.97	22.04		
20	16QAM	1	49	22.30	22.47	22.31	22.27	22.36	23	1
20	16QAM	1	99	22.32	22.41	22.36	21.98	21.91		
20	16QAM	50	0	21.45	21.56	21.74	21.42	21.46		
20	16QAM	50	24	21.36	21.59	21.67	21.42	21.47	22	2
20	16QAM	50	50	21.45	21.58	21.68	21.41	21.37		
20	16QAM	100	0	21.34	21.62	21.70	21.42	21.52		
20	64QAM	1	0	20.50	20.48	20.52	20.56	20.51		
20	64QAM	1	49	20.61	20.64	20.90	20.64	20.58	22	2
20	64QAM	1	99	20.58	20.97	20.48	20.45	20.40		
20	64QAM	50	0	19.84	20.09	20.25	20.05	20.15		
20	64QAM	50	24	19.97	20.18	20.21	20.01	19.99	21	3
20	64QAM	50	50	20.04	20.09	20.20	20.06	20.10		
20	64QAM	100	0	19.95	20.21	20.46	20.16	20.12		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.52	22.66	22.84	22.59	22.68	24.00	0
15	QPSK	1	37	22.87	23.10	23.00	22.96	22.95		
15	QPSK	1	74	22.92	23.05	23.02	22.86	22.80		
15	QPSK	36	0	22.43	22.47	22.51	22.42	22.42	23	1
15	QPSK	36	20	22.32	22.56	22.64	22.41	22.47		
15	QPSK	36	39	22.43	22.37	22.62	22.33	22.45		
15	QPSK	75	0	22.37	22.61	22.59	22.32	22.46		
15	16QAM	1	0	21.71	21.80	22.06	21.90	21.93	23	1
15	16QAM	1	37	22.16	22.45	22.31	21.86	22.27		
15	16QAM	1	74	22.17	22.30	22.34	22.69	21.91		
15	16QAM	36	0	21.45	21.45	21.71	21.39	21.34	22	2
15	16QAM	36	20	21.21	21.49	21.63	21.35	21.44		
15	16QAM	36	39	21.44	21.48	21.62	21.38	21.46		
15	16QAM	75	0	21.21	21.50	21.59	21.40	21.43		
15	64QAM	1	0	20.40	20.46	20.52	20.48	20.43	22	2
15	64QAM	1	37	20.51	20.63	20.88	20.50	20.44		
15	64QAM	1	74	20.54	20.89	20.51	20.56	20.48		
15	64QAM	36	0	19.73	20.09	20.20	19.95	20.01	21	3
15	64QAM	36	20	19.85	20.18	20.11	19.87	19.95		
15	64QAM	36	39	19.90	20.04	20.07	19.88	20.18		
15	64QAM	75	0	19.86	20.19	20.33	20.04	20.00		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2637	2683		
10	QPSK	1	0	22.47	22.76	22.86	22.56	22.69	24.00	0
10	QPSK	1	25	22.92	23.10	23.03	22.94	22.93		
10	QPSK	1	49	22.91	23.04	23.09	22.90	22.55		
10	QPSK	25	0	22.33	22.51	22.58	22.39	22.45	23	1
10	QPSK	25	12	22.38	22.48	22.68	22.33	22.39		
10	QPSK	25	25	22.32	22.38	22.58	22.33	22.48		
10	QPSK	50	0	22.29	22.61	22.52	22.33	22.51		
10	16QAM	1	0	21.69	21.91	22.02	21.96	21.93	23	1
10	16QAM	1	25	22.15	22.41	22.30	21.77	22.35		
10	16QAM	1	49	22.21	22.37	22.28	21.89	21.82		
10	16QAM	25	0	21.39	21.55	21.65	21.31	21.37	22	2
10	16QAM	25	12	21.23	21.57	21.62	21.35	21.39		
10	16QAM	25	25	21.34	21.54	21.67	21.28	21.56		
10	16QAM	50	0	21.22	21.58	21.56	21.34	21.52		
10	64QAM	1	0	20.47	20.43	20.44	20.49	20.43	22	2
10	64QAM	1	25	20.57	20.64	20.87	20.50	20.55		
10	64QAM	1	49	20.43	20.87	20.55	20.52	20.50		
10	64QAM	25	0	19.80	20.02	20.23	19.93	20.01	21	3
10	64QAM	25	12	19.86	20.17	20.16	19.94	19.93		
10	64QAM	25	25	19.98	20.07	20.19	19.92	20.18		
10	64QAM	50	0	19.83	20.08	20.38	20.06	20.05		
Channel				39675	40143	40620	41043	41503	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2543.5	2593	2640.30	2687.5		
5	QPSK	1	0	22.55	22.78	22.73	22.61	22.61	24.00	0
5	QPSK	1	12	22.89	23.01	22.93	23.00	22.94		
5	QPSK	1	24	22.85	23.04	23.05	22.89	22.58		
5	QPSK	12	0	22.33	22.47	22.63	22.38	22.40	23	1
5	QPSK	12	6	22.26	22.48	22.66	22.30	22.42		
5	QPSK	12	13	22.36	22.46	22.54	22.34	22.39		
5	QPSK	25	0	22.25	22.60	22.60	22.37	22.44		
5	16QAM	1	0	21.69	21.81	22.01	21.95	22.01	23	1
5	16QAM	1	12	22.26	22.42	22.18	22.13	22.28		
5	16QAM	1	24	22.23	22.41	22.29	21.84	21.76		
5	16QAM	12	0	21.42	21.44	21.63	21.39	21.37	22	2
5	16QAM	12	6	21.26	21.58	21.52	21.30	21.34		
5	16QAM	12	13	21.30	21.53	21.62	21.35	21.47		
5	16QAM	25	0	21.32	21.47	21.68	21.33	21.44		
5	64QAM	1	0	20.45	20.42	20.48	20.44	20.43	22	2
5	64QAM	1	12	20.49	20.63	20.78	20.64	20.53		
5	64QAM	1	24	20.44	20.83	20.46	20.51	20.48		
5	64QAM	12	0	19.81	20.08	20.22	19.94	20.15	21	3
5	64QAM	12	7	19.96	20.15	20.20	19.97	19.88		
5	64QAM	12	13	19.93	19.94	20.05	19.92	20.11		
5	64QAM	25	0	19.92	20.21	20.44	20.08	20.11		



Reduced Power Mode for Sensor on

GSM900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	158	169	251		128	149	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
GSM 1 Tx slot	32.41	32.43	32.30	33.00	23.41	23.43	23.30	24.00
GPRS 1 Tx slot	32.44	32.45	32.35	33.00	23.44	23.45	23.35	24.00
GPRS 2 Tx slots	30.27	30.37	30.29	31.50	24.27	24.37	24.29	25.50
GPRS 3 Tx slots	27.99	28.11	28.00	28.50	23.73	23.85	23.83	25.34
GPRS 4 Tx slots	26.04	26.01	26.06	28.00	23.04	23.01	23.06	25.00
EDGE 1 Tx slot	26.36	26.15	26.34	28.00	17.36	17.15	17.34	19.00
EDGE 2 Tx slots	24.29	24.19	24.21	25.50	18.29	18.19	18.21	19.50
EDGE 3 Tx slots	21.78	21.95	21.95	23.00	17.52	17.69	17.69	18.74
EDGE 4 Tx slots	19.27	19.24	19.31	20.50	16.27	16.24	16.31	17.50

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	691	810		512	691	810	
TX Channel	1852.2	1980	1909.8	1852.2	1980	1909.8	1852.2	1980
Frequency (MHz)	1852.2	1980	1909.8	1852.2	1980	1909.8	1852.2	1980
GSM 1 Tx slot	27.60	27.65	27.48	28.50	18.60	18.65	18.48	19.50
GPRS 1 Tx slot	27.62	27.68	27.51	28.50	18.62	18.68	18.51	19.50
GPRS 2 Tx slots	25.41	25.45	25.38	26.50	19.41	19.45	19.38	20.50
GPRS 3 Tx slots	23.92	23.03	23.06	24.00	18.66	18.77	18.82	19.74
GPRS 4 Tx slots	21.33	21.25	21.05	22.50	18.33	18.25	18.05	19.50
EDGE 1 Tx slot	24.23	24.01	23.97	25.00	15.23	15.01	14.97	16.00
EDGE 2 Tx slots	22.22	21.98	21.86	22.50	16.22	15.98	15.86	16.50
EDGE 3 Tx slots	19.66	19.86	19.81	20.00	15.42	15.60	15.55	15.74
EDGE 4 Tx slots	17.87	17.85	17.68	18.00	14.87	14.85	14.68	16.00

Band		WCDMA II			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9692	9800	9938	
Frequency (MHz)		1852.4	1980	1907.6	
3GPP Rel 99	AMR 12.2Kbps	18.78	18.76	18.65	20.00
3GPP Rel 99	RM-C 12.2Kbps	18.86	18.93	18.91	20.00
3GPP Rel 6	HSDPA Subtest-1	17.99	17.87	18.03	19.00
3GPP Rel 6	HSDPA Subtest-2	17.96	18.01	18.06	19.00
3GPP Rel 6	HSDPA Subtest-3	17.48	17.48	17.47	18.50
3GPP Rel 6	HSDPA Subtest-4	17.41	17.56	17.48	18.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.90	17.87	17.98	19.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.83	17.96	17.95	19.00
3GPP Rel 8	DC-HSDPA Subtest-3	17.33	17.37	17.49	18.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.41	17.46	17.38	18.50
3GPP Rel 6	HSUPA Subtest-1	17.89	18.01	18.03	19.00
3GPP Rel 6	HSUPA Subtest-2	15.96	15.96	15.86	17.00
3GPP Rel 6	HSUPA Subtest-3	16.97	16.97	17.05	18.00
3GPP Rel 6	HSUPA Subtest-4	15.85	15.99	16.17	17.00
3GPP Rel 6	HSUPA Subtest-5	18.04	18.08	18.10	19.00

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				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	19.26	19.50	19.50	20.5	0	
20	QPSK	1	49	19.45	19.43	19.40			
20	QPSK	1	99	19.40	19.43	19.31			
20	QPSK	50	0	19.48	19.55	19.42			
20	QPSK	50	24	19.44	19.52	19.38	20.5	0	
20	QPSK	50	50	19.39	19.54	19.38			
20	QPSK	100	0	19.41	19.54	19.39			
20	16QAM	1	0	19.39	19.53	19.35			
20	16QAM	1	49	19.43	19.38	19.05	20.5	0	
20	16QAM	1	99	19.08	19.52	18.83			
20	16QAM	50	0	19.43	19.56	19.34			
20	16QAM	50	24	19.40	19.54	19.36			
20	16QAM	50	50	19.43	19.55	19.37	20.5	0	
20	16QAM	100	0	19.42	19.52	19.37			
20	64QAM	1	0	19.39	19.56	19.34			
20	64QAM	1	49	19.43	19.54	19.37			
20	64QAM	1	99	19.40	19.53	19.38	20.5	0	
20	64QAM	50	0	19.44	19.53	19.36			
20	64QAM	50	24	19.42	19.57	19.36			
20	64QAM	50	50	19.43	19.53	19.37			
20	64QAM	100	0	19.43	19.57	19.39	20.5	0	
Channel				18675	18900	19125			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	19.16	19.41	19.47	20.5	0	
15	QPSK	1	37	19.38	19.56	19.35			
15	QPSK	1	74	19.34	19.34	19.26			
15	QPSK	36	0	19.41	19.46	19.33			
15	QPSK	36	20	19.35	19.42	19.33	20.5	0	
15	QPSK	36	39	19.29	19.47	19.34			
15	QPSK	75	0	19.37	19.47	19.32			
15	16QAM	1	0	19.35	19.50	19.27			
15	16QAM	1	37	19.37	19.29	19.01	20.5	0	
15	16QAM	1	74	19.02	19.42	18.74			
15	16QAM	36	0	19.40	19.50	19.26			
15	16QAM	36	20	19.35	19.49	19.30			
15	16QAM	36	39	19.39	19.50	19.32	20.5	0	
15	16QAM	75	0	19.32	19.43	19.32			
15	64QAM	1	0	19.32	19.48	19.28			
15	64QAM	1	37	19.40	19.50	19.30			
15	64QAM	1	74	19.31	19.50	19.32	20.5	0	
15	64QAM	36	0	19.40	19.43	19.31			
15	64QAM	36	20	19.36	19.52	19.27			
15	64QAM	36	39	19.40	19.46	19.29			
15	64QAM	75	0	19.33	19.50	19.36	20.5	0	
Channel				18650	18900	19150			
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	19.21	19.41	19.46	20.5	0	
10	QPSK	1	25	19.39	19.53	19.37			
10	QPSK	1	49	19.34	19.33	19.25			
10	QPSK	25	0	19.42	19.47	19.39			
10	QPSK	25	12	19.35	19.48	19.33	20.5	0	
10	QPSK	25	25	19.32	19.51	19.34			
10	QPSK	50	0	19.31	19.46	19.33			
10	16QAM	1	0	19.31	19.46	19.27			
10	16QAM	1	25	19.37	19.30	18.95	20.5	0	
10	16QAM	1	49	19.05	19.49	18.76			
10	16QAM	25	0	19.35	19.46	19.24			
10	16QAM	25	12	19.36	19.44	19.28			
10	16QAM	25	25	19.38	19.49	19.33	20.5	0	
10	16QAM	50	0	19.33	19.44	19.30			
10	64QAM	1	0	19.33	19.53	19.30			
10	64QAM	1	25	19.38	19.46	19.30			
10	64QAM	1	49	19.30	19.46	19.35	20.5	0	
10	64QAM	25	0	19.38	19.48	19.29			
10	64QAM	25	12	19.37	19.47	19.27			
10	64QAM	25	25	19.38	19.43	19.29			
10	64QAM	50	0	19.36	19.51	19.31	20.5	0	
Channel				18525	18900	19175			
Frequency (MHz)				1852.5	1890	1907.5			
5	QPSK	1	0	19.20	19.41	19.47	20.5	0	
5	QPSK	1	12	19.38	19.52	19.35			
5	QPSK	1	24	19.33	19.39	19.21			
5	QPSK	12	0	19.39	19.46	19.37			
5	QPSK	12	7	19.41	19.42	19.31	20.5	0	
5	QPSK	12	13	19.34	19.46	19.31			
5	QPSK	25	0	19.33	19.50	19.31			
5	16QAM	1	0	19.33	19.45	19.26			
5	16QAM	1	12	19.33	19.34	18.95	20.5	0	
5	16QAM	1	24	19.02	19.47	18.73			
5	16QAM	12	0	19.35	19.51	19.30			
5	16QAM	12	7	19.35	19.50	19.28			
5	16QAM	12	13	19.38	19.51	19.29	20.5	0	
5	16QAM	25	0	19.34	19.44	19.30			
5	64QAM	1	0	19.33	19.47	19.24			
5	64QAM	1	12	19.35	19.49	19.27			
5	64QAM	1	24	19.35	19.48	19.33	20.5	0	
5	64QAM	12	0	19.35	19.49	19.33			
5	64QAM	12	7	19.38	19.49	19.28			
5	64QAM	12	13	19.37	19.46	19.29			
5	64QAM	25	0	19.34	19.48	19.35	20.5	0	
Channel				18615	18900	19185			
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	19.19	19.40	19.42	20.5	0	
3	QPSK	1	8	19.40	19.52	19.35			
3	QPSK	1	14	19.33	19.40	19.24			
3	QPSK	8	0	19.44	19.49	19.35			
3	QPSK	8	4	19.37	19.47	19.32	20.5	0	
3	QPSK	8	7	19.36	19.51	19.30			
3	QPSK	15	0	19.36	19.48	19.35			
3	16QAM	1	0	19.29	19.50	19.27			
3	16QAM	1	8	19.39	19.34	19.02	20.5	0	
3	16QAM	1	14	18.99	19.43	18.75			
3	16QAM	8	0	19.35	19.48	19.28			
3	16QAM	8	4	19.34	19.50	19.26			
3	16QAM	8	7	19.33	19.52	19.27	20.5	0	
3	16QAM	15	0	19.39	19.48	19.33			
3	64QAM	1	0	19.29	19.50	19.27			
3	64QAM	1	8	19.34	19.49	19.29			
3	64QAM	1	14	19.35	19.46	19.35	20.5	0	
3	64QAM	8	0	19.40	19.46	19.29			
3	64QAM	8	4	19.33	19.47	19.33			
3	64QAM	8	7	19.35	19.45	19.28			
3	64QAM	15	0	19.40	19.53	19.36	20.5	0	
Channel				18607	18900	19163			
Frequency (MHz)				18507.2	1880	1909.3			
1.4	QPSK	1	0	19.21	19.46	19.47	20.5	0	
1.4	QPSK	1	3	19.38	19.55	19.35			
1.4	QPSK	1	5	19.30	19.34	19.24			
1.4	QPSK	3	0	19.39	19.51	19.35			
1.4	QPSK	3	1	19.36	19.44	19.30	20.5	0	
1.4	QPSK	3	3	19.35	19.49	19.30			
1.4	QPSK	6	0	19.37	19.51	19.35			
1.4	16QAM	1	0	19.35	19.48	19.32			
1.4	16QAM	1	3	19.40	19.28	18.95	20.5	0	
1.4	16QAM	1	5	19.05	19.46	18.80			
1.4	16QAM	3	0	19.33	19.52	19.26			
1.4	16QAM	3	1	19.34	19.47	19.26	20.5	0	
1.4	16QAM	3	3	19.35	19.50	19.30			
1.4	16QAM	6	0	19.33	19.44	19.28			
1.4	64QAM	1	0	19.31	19.46	19.26			
1.4	64QAM	1	3	19.38	19.46	19.29	20.5	0	
1.4	64QAM	1	5	19.35	19.47	19.28			
1.4	64QAM	3	0	19.41	19.49	19.26			
1.4	64QAM	3	1	19.38	19.53	19.32			
1.4	64QAM	3	3	19.34	19.49	19.30	20.5	0	
1.4	64QAM	6	0	19.38	19.52	19.32			

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	38180	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.53	19.59	19.63	21	0	
20	QPSK	1	49	19.95	20.00	19.92			
20	QPSK	1	99	19.94	19.93	19.86			
20	QPSK	50	0	19.90	19.94	19.86			
20	QPSK	50	24	19.89	19.84	19.84	21	0	
20	QPSK	50	50	19.90	19.89	19.81			
20	QPSK	100	0	19.81	19.87	19.85			
20	16QAM	1	0	19.26	19.26	19.25			
20	16QAM	1	49	19.81	19.84	19.66	21	0	
20	16QAM	1	99	19.63	19.39	19.40			
20	16QAM	50	0	19.80	19.81	19.72			
20	16QAM	50	24	19.84	19.83	19.70			
20	16QAM	50	50	19.79	19.86	19.90	21	0	
20	16QAM	100	0	19.95	19.85	19.86			
20	64QAM	1	0	19.66	19.54	19.73			
20	64QAM	1	49	19.95	19.82	19.84	21	0	
20	64QAM	1	99	19.71	19.67	19.68			
20	64QAM	50	0	19.81	19.74	19.76			
20	64QAM	50	24	19.95	19.85	19.88			
20	64QAM	50	50	19.91	19.89	19.92	21	0	
20	64QAM	100	0	19.96	19.86	19.88			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.44	19.55	19.56	21	0	
15	QPSK	1	37	19.90	19.96	19.88			
15	QPSK	1	74	19.84	19.85	19.81			
15	QPSK	36	0	19.80	19.89	19.78			
15	QPSK	36	20	19.81	19.75	19.77	21	0	
15	QPSK	36	39	19.70	19.86	19.75			
15	QPSK	75	0	19.72	19.81	19.76			
15	16QAM	1	0	19.20	19.22	19.19			
15	16QAM	1	37	19.75	19.54	19.56	21	0	
15	16QAM	1	74	19.55	19.36	19.32			
15	16QAM	36	0	19.21	19.76	19.62			
15	16QAM	36	20	19.77	19.75	19.61			
15	16QAM	36	39	19.69	19.83	19.80	21	0	
15	16QAM	75	0	19.88	19.80	19.81			
15	64QAM	1	0	19.62	19.50	19.70			
15	64QAM	1	37	19.87	19.73	19.77	21	0	
15	64QAM	1	74	19.65	19.62	19.61			
15	64QAM	36	0	19.81	19.66	19.66			
15	64QAM	36	20	19.89	19.75	19.82			
15	64QAM	36	39	19.86	19.82	19.83	21	0	
15	64QAM	75	0	19.92	19.81	19.79			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.45	19.53	19.56	21	0	
10	QPSK	1	25	19.91	19.96	19.86			
10	QPSK	1	49	19.84	19.83	19.78			
10	QPSK	25	0	19.83	19.87	19.83			
10	QPSK	25	12	19.79	19.74	19.81	21	0	
10	QPSK	25	25	19.74	19.85	19.75			
10	QPSK	50	0	19.73	19.80	19.75			
10	16QAM	1	0	19.17	19.20	19.20			
10	16QAM	1	25	19.73	19.60	19.60	21	0	
10	16QAM	1	49	19.58	19.31	19.30			
10	16QAM	25	0	19.74	19.76	19.62			
10	16QAM	25	12	19.81	19.78	19.66			
10	16QAM	25	25	19.74	19.81	19.86	21	0	
10	16QAM	50	0	19.87	19.81	19.81			
10	64QAM	1	0	19.63	19.50	19.66			
10	64QAM	1	25	19.92	19.76	19.81			
10	64QAM	1	49	19.67	19.64	19.59	21	0	
10	64QAM	25	0	19.75	19.67	19.72			
10	64QAM	25	12	19.87	19.81	19.79			
10	64QAM	25	25	19.88	19.80	19.86			
10	64QAM	50	0	19.89	19.82	19.81	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.45	19.54	19.53	21	0	
5	QPSK	1	12	19.91	19.94	19.88			
5	QPSK	1	24	19.86	19.84	19.78			
5	QPSK	12	0	19.85	19.89	19.78			
5	QPSK	12	7	19.86	19.81	19.81	21	0	
5	QPSK	12	13	19.71	19.79	19.78			
5	QPSK	25	0	19.74	19.81	19.80			
5	16QAM	1	0	19.15	19.17	19.20			
5	16QAM	1	12	19.77	19.61	19.60	21	0	
5	16QAM	1	24	19.58	19.29	19.36			
5	16QAM	12	0	19.71	19.73	19.64			
5	16QAM	12	7	19.76	19.80	19.65			
5	16QAM	12	13	19.72	19.80	19.81	21	0	
5	16QAM	25	0	19.86	19.77	19.82			
5	64QAM	1	0	19.57	19.49	19.68			
5	64QAM	1	12	19.91	19.73	19.80			
5	64QAM	1	24	19.62	19.58	19.61	21	0	
5	64QAM	12	0	19.77	19.67	19.69			
5	64QAM	12	7	19.90	19.77	19.82			
5	64QAM	12	13	19.81	19.86	19.86			
5	64QAM	25	0	19.92	19.76	19.82	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			

Band 41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39790	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2598	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.96	20.02	20.39	19.97	19.90	21.5	0
20	QPSK	1	49	20.13	20.42	20.30	19.94	19.95		
20	QPSK	1	99	19.95	20.39	20.22	20.20	20.19		
20	QPSK	50	0	20.15	20.34	20.30	20.15	19.95		
20	QPSK	50	24	19.99	20.18	20.25	20.04	19.89	21.5	0
20	QPSK	50	50	19.94	20.07	20.11	20.10	19.87		
20	QPSK	100	0	20.14	20.26	20.18	19.99	20.07		
20	16QAM	1	0	19.63	19.90	19.99	20.08	20.17		
20	16QAM	1	49	20.13	20.17	20.14	19.83	19.90	21.5	0
20	16QAM	1	99	19.86	20.10	19.87	19.70	19.56		
20	16QAM	50	0	19.49	19.53	19.62	19.42	19.45		
20	16QAM	50	24	19.37	19.53	19.59	19.46	19.49		
20	16QAM	50	50	19.32	19.64	19.82	19.46	19.35	21	0.5
20	16QAM	100	0	19.37	19.76	19.88	19.38	19.48		
20	64QAM	1	0	19.51	19.56	19.71	19.47	19.68		
20	64QAM	1	49	19.53	19.53	19.80	19.83	19.66		
20	64QAM	1	99	19.60	19.80	19.33	19.43	19.57	20.5	1
20	64QAM	50	0	19.09	19.24	19.70	19.51	19.37		
20	64QAM	50	24	19.30	19.57	19.42	19.34	19.46		
20	64QAM	50	50	19.23	19.30	19.42	19.44	19.35		
20	64QAM	100	0	19.04	19.06	19.43	19.12	19.22	20.5	1
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2593.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	19.62	19.87	20.33	19.77	19.75	21.50	0
15	QPSK	1	37	20.06	20.19	20.00	19.98	19.66		
15	QPSK	1	74	19.68	20.00	20.05	20.06	19.93		
15	QPSK	36	0	19.79	20.08	20.13	19.93	19.67		
15	QPSK	36	20	19.90	19.79	20.21	19.70	19.86	21.5	0
15	QPSK	36	39	19.62	19.96	20.03	19.95	19.65		
15	QPSK	75	0	19.87	20.06	19.90	19.93	19.82		
15	16QAM	1	0	19.57	19.76	19.74	19.87	19.94		
15	16QAM	1	37	19.90	19.97	19.83	19.58	19.57	21.5	0
15	16QAM	1	74	19.77	19.97	19.88	19.51	19.86		
15	16QAM	36	0	19.25	19.27	19.33	19.15	19.57		
15	16QAM	36	20	19.23	19.16	19.25	19.24	19.27		
15	16QAM	36	39	19.14	19.49	19.52	19.13	19.43	21	0.5
15	16QAM	75	0	19.19	19.60	19.85	19.24	19.46		
15	64QAM	1	0	19.43	19.54	19.33	19.24	19.60		
15	64QAM	1	37	19.47	19.65	19.32	19.74	19.46		
15	64QAM	1	74	19.55	19.86	19.32	19.46	19.59	20.5	1
15	64QAM	36	0	18.79	18.86	19.13	19.36	19.33		
15	64QAM	36	20	19.11	19.23	19.41	19.27	19.18		
15	64QAM	36	39	18.90	19.19	19.10	19.36	18.96		
15	64QAM	75	0	18.80	18.80	19.21	18.75	18.96	20.5	1
Channel				39700	40160	40620	41080	41560		
Frequency (MHz)				2591	2547	2593	2633	2683	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	19.60	20.00	20.02	19.88	19.86	21.50	0
10	QPSK	1	25	20.00	20.16	20.22	19.55	19.80		
10	QPSK	1	49	19.80	20.33	19.87	20.08	19.85		
10	QPSK	25	0	20.01	20.17	20.19	19.77	19.69		
10	QPSK	25	12	19.83	20.12	20.02	19.69	19.78	21.5	0
10	QPSK	25	25	19.83	19.90	19.77	20.06	19.54		
10	QPSK	50	0	20.03	20.06	20.08	19.93	19.95		
10	16QAM	1	0	19.61	19.57	19.96	19.80	20.15		
10	16QAM	1	25	19.78	20.06	19.75	19.82	19.81	21.5	0
10	16QAM	1	49	19.67	19.74	19.67	19.69	19.50		
10	16QAM	25	0	19.33	19.42	19.37	19.22	19.55		
10	16QAM	25	12	19.29	19.18	19.57	19.21	19.19		
10	16QAM	25	25	19.16	19.71	19.84	19.56	19.48	21	0.5
10	16QAM	50	0	19.17	19.50	19.82	19.10	19.19		
10	64QAM	1	0	19.19	19.45	19.84	19.45	19.57		
10	64QAM	1	25	19.17	19.31	19.62	19.50	19.28		
10	64QAM	1	49	19.23	19.66	19.01	19.19	19.49	20.5	1
10	64QAM	25	0	18.91	19.23	19.65	19.41	19.06		
10	64QAM	25	12	18.98	19.52	19.35	19.14	19.42		
10	64QAM	25	25	18.98	19.01	19.39	19.30	18.99		
10	64QAM	50	0	18.68	18.84	19.24	19.11	18.35	20.5	1
Channel				25915	25463	2593	26303	26875		
Frequency (MHz)				2498.5	2545.5	2593	2641.30	2697.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	19.88	19.87	20.22	19.60	19.83	21.50	0
5	QPSK	1	12	20.02	20.39	20.05	19.80	19.56		
5	QPSK	1	24	19.65	20.29	20.08	19.87	20.02		
5	QPSK	12	0	20.04	20.00	20.05	20.02	19.68		
5	QPSK	12	6	19.98	19.83	20.24	19.68	19.74	21.5	0
5	QPSK	12	13	19.80	19.83	19.75	19.81	19.67		
5	QPSK	25	0	19.90	20.16	20.16	19.88	19.77		
5	16QAM	1	0	19.51	19.75	19.84	20.03	19.89		
5	16QAM	1	12	19.92	19.78	19.79	19.60	19.65	21.5	0
5	16QAM	1	24	19.74	20.19	20.03	19.66	19.65		
5	16QAM	12	0	19.41	19.22	19.31	19.26	19.37		
5	16QAM	12	7	19.12	19.49	19.24	19.18	19.25		
5	16QAM	12	13	19.27	19.49	19.54	19.38	19.57	21	0.5
5	16QAM	25	0	19.24	19.58	19.60	19.36	19.26		
5	64QAM	1	0	19.40	19.26	19.33	19.39	19.43		
5	64QAM	1	12	19.28	19.20	19.52	19.67	19.41		
5	64QAM	1	24	19.25	19.52	19.26	19.27	19.56	20.5	1
5	64QAM	12	0	19.06	19.14	19.14	19.23	19.30		
5	64QAM	12	7	19.14	19.21	19.20	19.33	19.12		
5	64QAM	12	13	19.21	19.26	19.10	19.37	19.22		
5	64QAM	25	0	18.76	18.88	19.21	18.93	19.02	20.5	1
Channel				25915	25463	2593	26413	26975		



Reduced Power Mode for Hotspot on

GSM900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	261		128	189	261	
TX Channel	128	189	261		128	189	261	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.41	32.43	32.30	33.00	23.41	23.43	23.30	24.00
GPRS 1 Tx slots	32.44	32.45	32.35	33.00	23.44	23.45	23.35	24.00
GPRS 2 Tx slots	30.27	30.37	30.29	31.50	24.27	24.37	24.29	25.50
GPRS 3 Tx slots	27.99	28.11	28.09	29.50	23.73	23.85	23.83	25.24
GPRS 4 Tx slots	26.04	26.01	26.06	28.00	23.04	23.01	23.06	25.00
EDGE 1 Tx slot	26.36	26.15	26.34	28.00	17.36	17.15	17.34	19.00
EDGE 2 Tx slots	24.29	24.19	24.21	25.50	18.29	18.19	18.21	19.50
EDGE 3 Tx slots	21.78	21.95	21.95	23.00	17.52	17.69	17.69	18.74
EDGE 4 Tx slots	19.27	19.24	19.31	20.50	16.27	16.24	16.31	17.50

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	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	27.80	27.65	27.48	28.50	18.80	18.65	18.48	19.50
GPRS 1 Tx slot	27.62	27.68	27.51	28.50	18.62	18.68	18.51	19.50
GPRS 2 Tx slots	25.41	25.45	25.38	26.50	19.41	19.45	19.38	20.50
GPRS 3 Tx slots	22.92	23.03	23.08	24.00	18.66	18.77	18.82	19.74
GPRS 4 Tx slots	21.33	21.25	21.05	22.50	18.33	18.25	18.05	19.50
EDGE 1 Tx slot	24.23	24.01	23.97	25.00	15.23	15.01	14.97	16.00
EDGE 2 Tx slots	22.22	21.98	21.86	22.50	16.22	15.98	15.86	16.50
EDGE 3 Tx slots	19.68	19.86	19.81	20.00	15.42	15.60	15.55	15.74
EDGE 4 Tx slots	17.87	17.85	17.68	19.00	14.87	14.85	14.68	16.00

Band		WCDMA II			Tune-up Limit (dBm)
TX Channel		5262	9400	9539	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1853.4	1860	1907.6	
3GPP Rel 99	AMR 12.2Kbps	18.78	18.76	18.65	20.00
3GPP Rel 99	AMR 12.2Kbps	18.88	18.83	18.91	20.00
3GPP Rel 6	HSDPA Subtest-1	17.99	17.87	18.03	19.00
3GPP Rel 6	HSDPA Subtest-2	17.98	18.01	18.06	19.00
3GPP Rel 6	HSDPA Subtest-3	17.48	17.48	17.47	18.50
3GPP Rel 6	HSDPA Subtest-4	17.41	17.58	17.48	18.50
3GPP Rel 6	DCHSDPA Subtest-1	17.95	17.87	17.98	19.00
3GPP Rel 6	DC-HSDPA Subtest-2	17.83	17.96	17.95	19.00
3GPP Rel 6	DC-HSDPA Subtest-3	17.33	17.37	17.49	18.50
3GPP Rel 6	DC-HSDPA Subtest-4	17.41	17.46	17.38	18.50
3GPP Rel 6	HSUPA Subtest-1	17.69	18.01	18.03	19.00
3GPP Rel 6	HSUPA Subtest-2	15.98	15.95	15.86	17.00
3GPP Rel 6	HSUPA Subtest-3	16.97	16.97	17.05	18.00
3GPP Rel 6	HSUPA Subtest-4	15.85	15.99	16.17	17.00
3GPP Rel 6	HSUPA Subtest-5	16.04	16.08	16.10	19.00

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				18700	18800	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	19.26	19.50	19.50	20.5	0	
20	QPSK	1	49	19.45	19.56	19.40			
20	QPSK	1	99	19.40	19.43	19.31			
20	QPSK	50	0	19.48	19.55	19.42	20.5	0	
20	QPSK	50	24	19.44	19.52	19.38			
20	QPSK	50	50	19.39	19.54	19.38			
20	QPSK	100	0	19.41	19.54	19.39	20.5	0	
20	16QAM	1	0	19.39	19.53	19.35			
20	16QAM	1	49	19.43	19.38	19.05			
20	16QAM	1	99	19.08	19.52	18.83	20.5	0	
20	16QAM	50	0	19.43	19.56	19.34			
20	16QAM	50	24	19.40	19.54	19.36			
20	16QAM	50	50	19.43	19.55	19.37	20.5	0	
20	16QAM	100	0	19.42	19.52	19.37			
20	64QAM	1	0	19.39	19.56	19.34			
20	64QAM	1	49	19.43	19.54	19.37	20.5	0	
20	64QAM	1	99	19.40	19.53	19.38			
20	64QAM	50	0	19.44	19.53	19.36			
20	64QAM	50	24	19.42	19.57	19.36	20.5	0	
20	64QAM	50	50	19.43	19.53	19.37			
20	64QAM	100	0	19.43	19.57	19.39			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	19.16	19.41	19.47	20.5	0	
15	QPSK	1	37	19.38	19.56	19.35			
15	QPSK	1	74	19.34	19.34	19.26			
15	QPSK	36	0	19.41	19.46	19.33	20.5	0	
15	QPSK	36	20	19.35	19.42	19.33			
15	QPSK	36	39	19.29	19.47	19.34			
15	QPSK	75	0	19.37	19.47	19.32	20.5	0	
15	16QAM	1	0	19.35	19.50	19.27			
15	16QAM	1	37	19.37	19.29	19.01			
15	16QAM	1	74	19.02	19.42	18.74	20.5	0	
15	16QAM	36	0	19.40	19.50	19.26			
15	16QAM	36	20	19.35	19.49	19.30			
15	16QAM	36	39	19.39	19.50	19.32	20.5	0	
15	16QAM	75	0	19.32	19.43	19.32			
15	64QAM	1	0	19.32	19.48	19.28			
15	64QAM	1	37	19.40	19.50	19.30	20.5	0	
15	64QAM	1	74	19.31	19.50	19.32			
15	64QAM	36	0	19.40	19.43	19.31			
15	64QAM	36	20	19.36	19.52	19.27	20.5	0	
15	64QAM	36	39	19.40	19.46	19.29			
15	64QAM	75	0	19.33	19.50	19.36			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	19.21	19.41	19.46	20.5	0	
10	QPSK	1	25	19.39	19.53	19.37			
10	QPSK	1	49	19.34	19.33	19.25			
10	QPSK	25	0	19.42	19.47	19.39	20.5	0	
10	QPSK	25	12	19.35	19.48	19.33			
10	QPSK	25	25	19.32	19.51	19.34			
10	QPSK	50	0	19.31	19.46	19.33	20.5	0	
10	16QAM	1	0	19.31	19.46	19.27			
10	16QAM	1	25	19.37	19.30	18.95			
10	16QAM	1	49	19.05	19.49	18.76	20.5	0	
10	16QAM	25	0	19.35	19.46	19.24			
10	16QAM	25	12	19.36	19.44	19.28			
10	16QAM	25	25	19.38	19.49	19.33	20.5	0	
10	16QAM	50	0	19.33	19.44	19.30			
10	64QAM	1	0	19.33	19.53	19.30			
10	64QAM	1	25	19.30	19.46	19.30	20.5	0	
10	64QAM	1	49	19.30	19.46	19.35			
10	64QAM	25	0	19.38	19.48	19.29			
10	64QAM	25	12	19.37	19.47	19.27	20.5	0	
10	64QAM	25	25	19.38	19.43	19.29			
10	64QAM	50	0	19.36	19.51	19.31			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	19.20	19.41	19.47	20.5	0	
5	QPSK	1	12	19.38	19.52	19.35			
5	QPSK	1	24	19.33	19.39	19.21			
5	QPSK	12	0	19.39	19.46	19.37	20.5	0	
5	QPSK	12	7	19.41	19.42	19.31			
5	QPSK	12	13	19.34	19.46	19.31			
5	QPSK	25	0	19.33	19.50	19.31	20.5	0	
5	16QAM	1	0	19.33	19.45	19.26			
5	16QAM	1	12	19.33	19.34	18.95			
5	16QAM	1	24	19.02	19.47	18.73	20.5	0	
5	16QAM	12	0	19.30	19.51	19.30			
5	16QAM	12	7	19.35	19.50	19.28			
5	16QAM	12	13	19.38	19.51	19.29	20.5	0	
5	16QAM	25	0	19.34	19.44	19.30			
5	64QAM	1	0	19.33	19.47	19.24			
5	64QAM	1	12	19.35	19.49	19.27	20.5	0	
5	64QAM	1	24	19.35	19.48	19.33			
5	64QAM	12	0	19.35	19.49	19.33			
5	64QAM	12	7	19.38	19.49	19.26	20.5	0	
5	64QAM	12	13	19.37	19.46	19.29			
5	64QAM	25	0	19.34	19.48	19.35			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	19.19	19.40	19.42	20.5	0	
3	QPSK	1	8	19.40	19.52	19.35			
3	QPSK	1	14	19.33	19.40	19.24			
3	QPSK	8	0	19.44	19.49	19.35	20.5	0	
3	QPSK	8	4	19.37	19.47	19.32			
3	QPSK	8	7	19.36	19.51	19.30			
3	QPSK	15	0	19.36	19.48	19.35	20.5	0	
3	16QAM	1	0	19.29	19.50	19.27			
3	16QAM	1	8	19.39	19.34	19.02			
3	16QAM	1	14	18.99	19.43	18.75	20.5	0	
3	16QAM	8	0	19.35	19.48	19.28			
3	16QAM	8	4	19.34	19.50	19.26			
3	16QAM	8	7	19.33	19.52	19.27	20.5	0	
3	16QAM	15	0	19.39	19.48	19.33			
3	64QAM	1	0	19.29	19.50	19.27			
3	64QAM	1	8	19.34	19.49	19.29	20.5	0	
3	64QAM	1	14	19.35	19.46	19.35			
3	64QAM	8	0	19.40	19.46	19.29			
3	64QAM	8	4	19.33	19.47	19.33	20.5	0	
3	64QAM	8	7	19.35	19.45	19.28			
3	64QAM	15	0	19.40	19.53	19.36			
Channel				18600	18900	19195	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	19.21	19.46	19.47	20.5	0	
1.4	QPSK	1	3	19.38	19.55	19.35			
1.4	QPSK	1	5	19.30	19.34	19.24			
1.4	QPSK	3	0	19.39	19.51	19.35	20.5	0	
1.4	QPSK	3	1	19.36	19.44	19.30			
1.4	QPSK	3	3	19.35	19.49	19.30			
1.4	QPSK	6	0	19.37	19.51	19.35	20.5	0	
1.4	16QAM	1	0	19.35	19.48	19.32			
1.4	16QAM	1	3	19.40	19.26	18.95			
1.4	16QAM	1	5	19.05	19.46	18.80	20.5	0	
1.4	16QAM	3	0	19.33	19.52	19.26			
1.4	16QAM	3	1	19.34	19.47	19.26			
1.4	16QAM	3	3	19.35	19.50	19.30	20.5	0	
1.4	16QAM	6	0	19.33	19.44	19.28			
1.4	64QAM	1	0	19.31	19.46	19.26			
1.4	64QAM	1	3	19.31	19.46	19.29	20.5	0	
1.4	64QAM	1	5	19.35	19.47	19.29			
1.4	64QAM	3	0	19.41	19.41	19.26			
1.4	64QAM	3	1	19.38	19.53	19.32	20.5	0	
1.4	64QAM	3	3	19.34	19.49	19.30			
1.4	64QAM	6	0	19.38	19.52	19.32			

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	19.53	19.59	19.63	21	0		
20	QPSK	1	49	19.95	20.00	19.92				
20	QPSK	1	99	19.94	19.93	19.86				
20	QPSK	50	0	19.90	19.94	19.86				
20	QPSK	50	24	19.89	19.84	19.84	21	0		
20	QPSK	50	50	19.80	19.89	19.81				
20	QPSK	100	0	19.81	19.87	19.85				
20	16QAM	1	0	19.26	19.26	19.25				
20	16QAM	1	49	19.81	19.64	19.66	21	0		
20	16QAM	1	99	19.63	19.39	19.40				
20	16QAM	50	0	19.80	19.81	19.72				
20	16QAM	50	24	19.84	19.83	19.70				
20	16QAM	50	50	19.79	19.86	19.90	21	0		
20	16QAM	100	0	19.95	19.85	19.86				
20	64QAM	1	0	19.66	19.54	19.73				
20	64QAM	1	49	19.95	19.82	19.84				
20	64QAM	1	99	19.71	19.67	19.68	21	0		
20	64QAM	50	0	19.81	19.74	19.76				
20	64QAM	50	24	19.95	19.85	19.88				
20	64QAM	50	50	19.91	19.89	19.92				
20	64QAM	100	0	19.96	19.86	19.88				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	19.44	19.55	19.56	21	0		
15	QPSK	1	37	19.90	19.96	19.88				
15	QPSK	1	74	19.84	19.85	19.81				
15	QPSK	36	0	19.80	19.96	19.78				
15	QPSK	36	20	19.81	19.75	19.77	21	0		
15	QPSK	36	39	19.70	19.86	19.75				
15	QPSK	75	0	19.72	19.81	19.76				
15	16QAM	1	0	19.20	19.22	19.19				
15	16QAM	1	37	19.75	19.54	19.56	21	0		
15	16QAM	1	74	19.55	19.36	19.32				
15	16QAM	36	0	19.22	19.76	19.62				
15	16QAM	36	20	19.77	19.75	19.61				
15	16QAM	36	39	19.69	19.83	19.80	21	0		
15	16QAM	75	0	19.88	19.80	19.81				
15	64QAM	1	0	19.62	19.50	19.70				
15	64QAM	1	37	19.87	19.73	19.77				
15	64QAM	1	74	19.65	19.62	19.61	21	0		
15	64QAM	36	0	19.84	19.86	19.86				
15	64QAM	36	20	19.80	19.75	19.82				
15	64QAM	36	39	19.86	19.82	19.83				
15	64QAM	75	0	19.92	19.81	19.79				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	19.45	19.53	19.56	21	0		
10	QPSK	1	25	19.91	19.98	19.86				
10	QPSK	1	49	19.84	19.83	19.78				
10	QPSK	25	0	19.83	19.87	19.83				
10	QPSK	25	12	19.79	19.74	19.81	21	0		
10	QPSK	25	25	19.74	19.85	19.75				
10	QPSK	50	0	19.73	19.80	19.75				
10	16QAM	1	0	19.17	19.20	19.20				
10	16QAM	1	25	19.73	19.60	19.60	21	0		
10	16QAM	1	49	19.58	19.31	19.30				
10	16QAM	25	0	19.74	19.76	19.62				
10	16QAM	25	12	19.81	19.78	19.66				
10	16QAM	25	25	19.74	19.81	19.86	21	0		
10	16QAM	50	0	19.87	19.81	19.81				
10	64QAM	1	0	19.63	19.50	19.66				
10	64QAM	1	25	19.92	19.76	19.81				
10	64QAM	1	49	19.67	19.64	19.59	21	0		
10	64QAM	25	0	19.75	19.67	19.72				
10	64QAM	25	12	19.87	19.81	19.79				
10	64QAM	25	25	19.88	19.80	19.86				
10	64QAM	50	0	19.89	19.82	19.81				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	19.46	19.54	19.53	21	0		
5	QPSK	1	12	19.91	19.94	19.88				
5	QPSK	1	24	19.86	19.84	19.78				
5	QPSK	12	0	19.85	19.89	19.78				
5	QPSK	12	7	19.86	19.81	19.81	21	0		
5	QPSK	12	13	19.71	19.79	19.78				
5	QPSK	25	0	19.74	19.81	19.80				
5	16QAM	1	0	19.18	19.17	19.20				
5	16QAM	1	12	19.77	19.61	19.60	21	0		
5	16QAM	1	24	19.58	19.29	19.36				
5	16QAM	12	0	19.71	19.73	19.64				
5	16QAM	12	7	19.76	19.80	19.65				
5	16QAM	12	13	19.72	19.80	19.81	21	0		
5	16QAM	25	0	19.88	19.77	19.82				
5	64QAM	1	0	19.57	19.49	19.68				
5	64QAM	1	12	19.91	19.73	19.80				
5	64QAM	1	24	19.62	19.58	19.61	21	0		
5	64QAM	12	0	19.77	19.67	19.69				
5	64QAM	12	7	19.90	19.77	19.82				
5	64QAM	12	13	19.81	19.86	19.86				
5	64QAM	25	0	19.92	19.76	19.82				

Band 41										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.96	20.02	20.39	19.97	19.90	21.5	0
20	QPSK	1	49	20.13	20.42	20.30	19.94	19.95		
20	QPSK	1	99	19.95	20.39	20.22	20.20	20.19		
20	QPSK	50	0	20.15	20.34	20.30	20.15	19.95		
20	QPSK	50	24	19.99	20.18	20.25	20.04	19.89	21.5	0
20	QPSK	50	50	19.94	20.07	20.11	20.10	19.87		
20	QPSK	100	0	20.14	20.28	20.18	19.98	20.07		
20	16QAM	1	0	19.63	19.90	19.99	20.08	20.17		
20	16QAM	1	49	20.13	20.17	20.14	19.83	19.90	21.5	0
20	16QAM	1	99	19.86	20.10	19.87	19.70	19.56		
20	16QAM	50	0	19.49	19.53	19.62	19.42	19.65		
20	16QAM	50	24	19.37	19.53	19.59	19.46	19.49		
20	16QAM	50	50	19.32	19.64	19.83	19.46	19.65	21	0.5
20	16QAM	100	0	19.37	19.76	19.88	19.38	19.48		
20	64QAM	1	0	19.51	19.56	19.71	19.47	19.68		
20	64QAM	1	49	19.53	19.53	19.80	19.83	19.66		
20	64QAM	1	99	19.60	19.80	19.33	19.43	19.57	20.5	1
20	64QAM	50	0	19.09	19.24	19.70	19.51	19.37		
20	64QAM	50	24	19.30	19.57	19.42	19.34	19.46		
20	64QAM	50	50	19.23	19.30	19.42	19.44	19.35		
20	64QAM	100	0	19.04	19.06	19.43	19.30	19.22	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.62	19.87	20.33	19.77	19.75	21.50	0
15	QPSK	1	37	20.06	20.19	20.00	19.58	19.66		
15	QPSK	1	74	19.68	20.00	20.05	20.06	19.93		
15	QPSK	36	0	19.79	20.08	20.13	19.80	19.87		
15	QPSK	36	0	19.90	19.79	20.21	19.70	19.86	21.5	0
15	QPSK	36	39	19.62	19.96	20.03	19.95	19.85		
15	QPSK	75	0	19.87	20.06	19.90	19.93	19.82		
15	16QAM	1	0	19.57	19.76	19.74	19.87	19.94		
15	16QAM	1	37	19.90	19.97	19.83	19.58	19.57	21.5	0
15	16QAM	1	74	19.77	19.97	19.88	19.51	19.66		
15	16QAM	36	0	19.25	19.27	19.63	19.30	19.57		
15	16QAM	36	20	19.23	19.16	19.25	19.24	19.27		
15	16QAM	36	39	19.14	19.49	19.52	19.13	19.43	21	0.5
15	16QAM	75	0	19.19	19.60	19.85	19.24	19.46		
15	16QAM	1	0	19.43	19.54	19.33	19.24	19.60		
15	64QAM	1	37	19.47	19.32	19.74	19.46	19.59		
15	64QAM	1	74	19.55	19.65	19.12	19.36	19.53	20.5	1
15	64QAM	1	20	19.79	19.86	19.33	19.45	19.26		
15	64QAM	36	20	19.11	19.23	19.41	19.27	19.18		
15	64QAM	36	39	19.80	19.10	19.10	19.38	19.96		
15	64QAM	75	0	18.80	18.80	19.21	18.75	18.96	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.60	20.00	20.02	19.88	19.85	21.50	0
10	QPSK	1	20	20.00	20.16	20.22	19.55	19.80		
10	QPSK	1	49	19.80	20.33	19.87	20.08	19.85		
10	QPSK	25	0	20.01	20.17	20.19	19.77	19.69		
10	QPSK	25	12	19.83	20.12	20.02	19.69	19.78	21.5	0
10	QPSK	25	25	19.83	19.90	19.77	20.06	19.54		
10	QPSK	50	0	20.03	20.06	20.08	19.93	19.95		
10	16QAM	1	0	19.61	19.57	19.85	19.80	20.15		
10	16QAM	1	25	19.75	20.06	19.75	19.82	19.81	21.5	0
10	16QAM	1	49	19.67	19.74	19.67	19.69	19.50		
10	16QAM	25	0	19.33	19.42	19.37	19.22	19.55		
10	16QAM	25	12	19.29	19.18	19.57	19.21	19.19		
10	16QAM	25	25	19.16	19.71	19.84	19.56	19.48	21	0.5
10	16QAM	50	0	19.17	19.50	19.82	19.10	19.19		
10	64QAM	1	0	19.19	19.45	19.64	19.45	19.57		
10	64QAM	1	25	19.17	19.31	19.62	19.50	19.28		
10	64QAM	1	49	19.23	19.66	19.01	19.19	19.46	20.5	1
10	64QAM	25	0	18.91	19.23	19.65	19.41	19.09		
10	64QAM	25	12	19.98	19.52	19.35	19.14	19.42		
10	64QAM	25	25	18.98	19.01	19.39	19.30	19.99		
10	64QAM	50	0	18.68	18.84	19.24	19.81	18.95	Tune-up limit (dBm)	MPR (dB)
Channel				2597.5	2644.3	2693	2740.3	2787.5		
Frequency (MHz)				2598.5	2645.8	2693	2740.30	2787.5		
5	QPSK	1	0	19.88	19.87	20.22	19.60	19.83	21.50	0
5	QPSK	1	12	20.02	20.39	20.05	19.80	19.56		
5	QPSK	1	24	19.65	20.29	20.08	19.87	20.02		
5	QPSK	12	0	20.04	20.00	20.05	20.02	19.68		
5	QPSK	12	0	19.88	19.83	20.24	19.83	19.74	21.5	0
5	QPSK	12	13	19.80	19.83	19.75	19.81	19.77		
5	QPSK	25	0	19.90	20.16	20.16	19.88	19.77		
5	16QAM	1	0	19.51	19.65	19.84	20.03	19.89		
5	16QAM	1	12	19.92	19.78	19.79	19.60	19.65	21.5	0
5	16QAM	1	24	19.74	20.19	20.03	19.66	19.65		
5	16QAM	12	0	19.41	19.22	19.31	19.26	19.37		
5	16QAM	12	13	19.12	19.49	19.44	19.19	19.25		
5	16QAM	12	13	19.27	19.49	19.54	19.38	19.57	21	0.5
5	16QAM	25	0	19.24	19.58	19.60	19.36	19.26		
5	64QAM	1	0	19.40	19.26	19.33	19.39	19.43		
5	64QAM	1	12	19.28	19.20	19.52	19.67	19.41		
5	64QAM	1	24	19.25	19.52	19.26	19.27	19.56	20.5	1
5	64QAM	12	0	19.08	19.14	19.47	19.13	19.00		
5	64QAM	12	13	19.14	19.21	19.20	19.33	19.12		
5	64QAM	12	13	19.21	19.26	19.10	19.37	19.22		
5	64QAM	25	0	18.76	18.88	19.21	18.93	19.02		



Reduced Power Mode for Handheld on

GSM 1800	Band Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	861	810		512	861	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)								
GSM 1 Tx slot	29.07	29.13	29.10	30.00	20.07	20.13	20.10	21.00
GPRS 1 Tx slot	29.11	29.16	29.16	30.00	20.11	20.16	20.16	21.00
GPRS 2 Tx slots	29.94	29.96	29.87	29.00	20.94	20.96	20.87	22.00
GPRS 3 Tx slots	24.36	24.30	24.36	25.50	20.10	20.04	20.10	21.24
GPRS 4 Tx slots	22.78	22.97	22.78	24.00	19.78	19.97	19.78	21.00
EDGE 1 Tx slot	25.68	25.47	25.45	26.50	16.68	16.47	16.45	17.50
EDGE 2 Tx slots	23.96	23.39	23.28	24.00	17.68	17.39	17.28	18.00
EDGE 3 Tx slots	21.16	21.29	21.28	21.50	16.96	17.03	17.02	17.24
EDGE 4 Tx slots	19.36	19.26	19.15	20.50	16.36	16.26	16.15	17.50

Band		WCDMA II			Tune-up Limit (dBm)
TX Channel		9262	9480	9538	
Rx Channel		9692	9800	9938	
Frequency (MHz)		1652.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	20.32	20.30	20.16	21.50
3GPP Rel 99	AMR 12.2Kbps	20.36	20.45	20.43	21.50
3GPP Rel 6	HSDPA Subtest-1	19.49	19.33	19.55	20.50
3GPP Rel 6	HSDPA Subtest-2	19.42	19.47	19.59	20.50
3GPP Rel 6	HSDPA Subtest-3	19.01	18.95	18.91	20.00
3GPP Rel 6	HSDPA Subtest-4	18.92	19.06	18.96	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.46	19.33	19.44	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.35	19.41	19.51	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.79	18.85	18.93	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.97	18.93	18.93	20.00
3GPP Rel 6	HSUPA Subtest-1	19.37	19.51	19.54	20.50
3GPP Rel 6	HSUPA Subtest-2	17.43	17.48	17.42	18.50
3GPP Rel 6	HSUPA Subtest-3	18.43	18.49	18.54	19.50
3GPP Rel 6	HSUPA Subtest-4	17.30	17.50	17.67	18.50
3GPP Rel 6	HSUPA Subtest-5	19.53	19.58	19.64	20.50

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				18700	18900	19100			
Frequency (MHz)				1860	1860	1900			
20	QPSK	1	0	20.73	20.94	21.04	22	0	
20	QPSK	1	49	20.98	21.05	20.92			
20	QPSK	1	99	20.89	20.99	20.87			
20	QPSK	50	0	21.02	21.05	20.98			
20	QPSK	50	24	20.99	21.01	20.83	22	0	
20	QPSK	50	50	20.93	20.96	20.88			
20	QPSK	100	0	20.87	21.03	20.87			
20	16QAM	1	0	20.88	21.00	20.88			
20	16QAM	1	49	20.91	20.90	20.91	22	0	
20	16QAM	1	99	20.54	21.01	20.28			
20	16QAM	50	0	20.91	21.02	20.85			
20	16QAM	50	24	20.96	21.04	20.81			
20	16QAM	50	50	20.91	21.00	20.87	22	0	
20	16QAM	100	0	20.86	20.99	20.83			
20	64QAM	1	0	20.90	21.05	20.84			
20	64QAM	1	49	20.99	21.04	20.84			
20	64QAM	1	99	20.86	21.05	20.85	22	0	
20	64QAM	50	0	19.81	19.76	19.78			
20	64QAM	50	24	19.71	19.90	19.75			
20	64QAM	50	50	19.72	19.66	19.83			
20	64QAM	100	0	19.86	19.80	19.85	21	1	
Channel				18675	18900	19125			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	20.68	20.90	20.94	22	0	
15	QPSK	1	37	20.95	21.04	20.89			
15	QPSK	1	74	20.81	20.92	20.80			
15	QPSK	36	0	20.93	20.97	20.89			
15	QPSK	36	20	20.93	20.95	20.75	22	0	
15	QPSK	36	39	20.88	20.86	20.78			
15	QPSK	75	0	20.77	20.98	20.78			
15	16QAM	1	0	20.84	20.97	20.85			
15	16QAM	1	37	20.83	20.87	20.43	22	0	
15	16QAM	1	74	20.51	20.92	20.25			
15	16QAM	36	0	20.81	20.95	20.78			
15	16QAM	36	20	20.91	20.94	20.76			
15	16QAM	36	39	20.83	20.96	20.79	22	0	
15	16QAM	75	0	20.77	20.93	20.78			
15	64QAM	1	0	20.86	20.97	20.81			
15	64QAM	1	37	20.89	21.01	20.76			
15	64QAM	1	74	20.76	21.00	20.79	22	0	
15	64QAM	36	0	19.74	19.70	19.71			
15	64QAM	36	20	19.65	19.85	19.71			
15	64QAM	36	39	19.69	19.58	19.78			
15	64QAM	75	0	19.81	19.72	19.78	21	1	
Channel				18650	18900	19150			
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	20.63	20.86	20.97	22	0	
10	QPSK	1	25	20.95	21.03	20.85			
10	QPSK	1	49	20.84	20.91	20.77			
10	QPSK	25	0	20.92	20.96	20.88			
10	QPSK	25	12	20.93	20.97	20.79	22	0	
10	QPSK	25	25	20.87	20.86	20.79			
10	QPSK	50	0	20.82	20.94	20.81			
10	16QAM	1	0	20.78	20.95	20.82			
10	16QAM	1	25	20.88	20.80	20.42	22	0	
10	16QAM	1	49	20.50	20.91	20.22			
10	16QAM	25	0	20.83	20.92	20.80			
10	16QAM	25	12	20.86	20.99	20.76			
10	16QAM	25	25	20.85	20.91	20.82	22	0	
10	16QAM	50	0	20.79	20.90	20.79			
10	64QAM	1	0	20.87	20.98	20.75			
10	64QAM	1	25	20.80	21.00	20.80			
10	64QAM	1	49	20.83	20.98	20.81	22	0	
10	64QAM	25	0	19.78	19.72	19.70			
10	64QAM	25	12	19.65	19.86	19.72			
10	64QAM	25	25	19.64	19.60	19.79			
10	64QAM	50	0	19.81	19.77	19.82	21	1	
Channel				18625	18900	19175			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	20.70	20.84	20.96	22	0	
5	QPSK	1	12	20.93	21.05	20.88			
5	QPSK	1	24	20.81	20.91	20.78			
5	QPSK	12	0	20.95	21.02	20.95			
5	QPSK	12	7	20.91	20.92	20.78	22	0	
5	QPSK	12	13	20.89	20.92	20.82			
5	QPSK	25	0	20.77	20.96	20.83			
5	16QAM	1	0	20.81	20.92	20.78			
5	16QAM	1	12	20.81	20.86	20.47	22	0	
5	16QAM	1	24	20.46	20.97	20.24			
5	16QAM	12	0	20.82	20.94	20.78			
5	16QAM	12	7	20.89	20.94	20.73			
5	16QAM	12	13	20.85	20.91	20.84	22	0	
5	16QAM	25	0	20.78	20.90	20.76			
5	64QAM	1	0	20.87	21.01	20.77			
5	64QAM	1	12	20.95	20.98	20.78			
5	64QAM	1	24	20.77	20.96	20.82	22	0	
5	64QAM	12	0	19.74	19.66	19.72			
5	64QAM	12	7	19.67	19.81	19.66			
5	64QAM	12	13	19.66	19.62	19.75			
5	64QAM	25	0	19.76	19.71	19.79	21	1	
Channel				18615	18900	19185			
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	20.70	20.89	20.99	22	0	
3	QPSK	1	8	20.96	21.07	20.86			
3	QPSK	1	14	20.80	20.92	20.81			
3	QPSK	8	0	20.94	20.95	20.95			
3	QPSK	8	4	20.90	20.91	20.80	22	0	
3	QPSK	8	7	20.89	20.93	20.81			
3	QPSK	15	0	20.84	20.97	20.80			
3	16QAM	1	0	20.80	20.94	20.83			
3	16QAM	1	8	20.84	20.87	20.46	22	0	
3	16QAM	1	14	20.46	20.93	20.21			
3	16QAM	8	0	20.81	20.94	20.81			
3	16QAM	8	4	20.87	21.00	20.72			
3	16QAM	8	7	20.88	20.94	20.79	22	0	
3	16QAM	15	0	20.81	20.90	20.76			
3	64QAM	1	0	20.82	20.98	20.80			
3	64QAM	1	8	20.95	21.00	20.78			
3	64QAM	1	14	20.83	20.95	20.80	22	0	
3	64QAM	8	0	19.75	19.72	19.68			
3	64QAM	8	4	19.68	19.81	19.71			
3	64QAM	8	7	19.62	19.63	19.78			
3	64QAM	15	0	19.78	19.70	19.79	21	1	
Channel				18500	18550	19153			
Frequency (MHz)				1850.7	1850	1909.3			
1.4	QPSK	1	0	20.66	20.86	21.00	22	0	
1.4	QPSK	1	3	20.92	21.02	20.87			
1.4	QPSK	1	5	20.86	20.92	20.84			
1.4	QPSK	3	0	20.97	20.95	20.93			
1.4	QPSK	3	1	20.92	20.94	20.73	22	0	
1.4	QPSK	3	3	20.89	20.87	20.84			
1.4	QPSK	6	0	20.77	20.97	20.78			
1.4	16QAM	1	0	20.83	20.95	20.85			
1.4	16QAM	1	3	20.81	20.86	20.42	22	0	
1.4	16QAM	1	5	20.44	20.94	20.18			
1.4	16QAM	3	0	20.85	20.95	20.81			
1.4	16QAM	3	1	20.91	20.96	20.78			
1.4	16QAM	3	3	20.83	20.91	20.82	22	0	
1.4	16QAM	6	0	20.82	20.90	20.79			
1.4	64QAM	1	0	20.87	21.00	20.81			
1.4	64QAM	1	3	20.92	20.99	20.75			
1.4	64QAM	1	5	20.80	21.01	20.79	22	0	
1.4	64QAM	3	0	20.89	21.02	20.80			
1.4	64QAM	3	1	20.90	21.01	20.73			
1.4	64QAM	3	3	20.80	21.05	20.83			
1.4	64QAM	6	0	19.83	19.71	19.80	21		

Band 41											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low-Middle Ch. / Freq.	Power High-Middle Ch. / Freq.	Power High Ch. / Freq.	Power Power High-Middle Ch. / Freq.	Tune-up limit (dBm)		MPR (dB)
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	21.98	22.25	22.13	21.93	21.89	23.5	0	
20	QPSK	1	49	22.40	22.62	22.33	22.41	22.52			
20	QPSK	1	99	22.05	22.53	22.19	22.39	21.99			
20	QPSK	50	0	22.01	22.09	22.02	21.96	21.92			
20	QPSK	50	24	22.01	22.15	21.96	21.90	21.87			
20	QPSK	50	50	21.99	21.99	21.99	21.93	21.89	22.5	1	
20	QPSK	100	0	21.86	22.04	21.91	21.95	21.89			
20	16QAM	1	0	21.05	21.39	21.27	21.39	21.30			
20	16QAM	1	49	21.70	21.95	21.62	21.51	21.56			
20	16QAM	1	99	21.49	21.73	21.76	21.13	21.03			
20	16QAM	50	0	20.84	21.01	20.87	20.69	20.92	21.5	2	
20	16QAM	50	24	20.83	21.02	21.00	20.74	20.62			
20	16QAM	50	50	20.63	21.03	21.02	20.57	21.02			
20	16QAM	100	0	20.68	20.94	21.06	20.81	20.90			
20	64QAM	1	0	19.91	19.72	19.97	20.04	19.66			
20	64QAM	1	49	19.74	20.09	20.11	20.06	19.71	21.5	2	
20	64QAM	1	99	19.83	20.09	19.65	19.73	19.51			
20	64QAM	50	0	19.11	19.33	19.57	19.27	19.57			
20	64QAM	50	24	19.29	19.30	19.51	19.47	19.15			
20	64QAM	50	50	19.41	19.68	19.47	19.43	19.43			
20	64QAM	100	0	19.30	19.60	19.75	19.45	19.44	20.5	3	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	21.90	22.06	22.36	22.15	22.04	23.50	0	
15	QPSK	1	37	22.14	22.44	22.57	22.39	22.24			
15	QPSK	1	74	22.21	22.23	22.24	22.14	21.99			
15	QPSK	36	0	21.82	21.84	22.07	22.02	21.95			
15	QPSK	36	20	21.73	22.06	21.95	21.93	21.98			
15	QPSK	36	39	21.70	21.74	22.00	21.81	21.67	22.5	1	
15	QPSK	75	0	21.65	22.07	21.79	21.80	21.56			
15	16QAM	1	0	21.10	21.61	21.77	21.56	21.49			
15	16QAM	1	37	21.72	21.86	21.44	21.51	21.64			
15	16QAM	1	74	21.49	21.52	21.79	21.24	21.16			
15	16QAM	36	0	20.82	20.68	20.88	20.79	20.60	21.5	2	
15	16QAM	36	20	20.70	21.01	20.92	20.82	20.74			
15	16QAM	36	39	20.62	20.70	20.99	20.88	20.95			
15	16QAM	75	0	20.71	20.80	21.00	20.72	20.78			
15	64QAM	1	0	19.76	19.87	19.68	19.66	19.81			
15	64QAM	1	37	20.02	20.10	20.19	19.87	20.02	21.5	2	
15	64QAM	1	74	19.91	20.21	19.67	19.59	19.83			
15	64QAM	36	0	19.11	19.42	19.43	19.22	19.35			
15	64QAM	36	20	19.13	19.54	19.66	19.39	19.26			
15	64QAM	36	39	19.28	19.27	19.67	19.15	19.44			
15	64QAM	75	0	19.16	19.44	19.69	19.37	19.58	20.5	3	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	21.94	21.93	22.24	21.99	21.96	23.50	0	
10	QPSK	1	25	22.20	22.37	22.34	22.44	22.33			
10	QPSK	1	49	22.24	22.24	22.45	22.16	21.95			
10	QPSK	25	0	21.87	21.94	21.74	21.78	21.88			
10	QPSK	25	12	21.83	22.01	22.05	21.66	21.94			
10	QPSK	25	25	21.66	21.79	21.88	21.90	21.93	22.5	1	
10	QPSK	50	0	21.50	21.97	21.76	21.80	21.72			
10	16QAM	1	0	21.24	21.38	21.61	21.12	21.41			
10	16QAM	1	25	21.70	21.84	21.76	21.51	21.62			
10	16QAM	1	49	21.54	21.63	21.82	21.45	21.16			
10	16QAM	25	0	20.91	20.71	20.99	20.80	20.66	21.5	2	
10	16QAM	25	12	20.75	20.88	21.00	20.64	20.87			
10	16QAM	25	25	20.56	21.00	20.84	20.70	20.90			
10	16QAM	50	0	20.51	20.77	21.14	20.90	20.64			
10	64QAM	1	0	19.69	19.91	19.97	19.72	19.93			
10	64QAM	1	25	19.97	19.88	20.27	19.83	19.99	21.5	2	
10	64QAM	1	49	20.07	20.09	19.88	19.58	19.75			
10	64QAM	25	0	19.07	19.39	19.68	19.39	19.45			
10	64QAM	25	12	19.17	19.50	19.64	19.32	19.22			
10	64QAM	25	25	19.26	19.24	19.32	19.40	19.33			
10	64QAM	50	0	19.40	19.53	19.57	19.56	19.61	20.5	3	
Channel				39675	40148	40620	41093	41555			
Frequency (MHz)				2498.5	2546	2593	2640.5	2687.5			
5	QPSK	1	0	21.77	22.25	22.25	21.88	21.83	23.50	0	
5	QPSK	1	12	22.20	22.38	22.28	22.25	22.12			
5	QPSK	1	24	22.45	22.50	22.24	22.36	21.97			
5	QPSK	12	0	21.75	22.10	21.99	21.65	21.70			
5	QPSK	12	7	21.68	21.95	21.70	21.67	21.66			
5	QPSK	12	13	21.83	21.79	21.69	21.90	21.91	22.5	1	
5	QPSK	25	0	21.86	21.86	21.81	21.92	21.84			
5	16QAM	1	0	20.93	21.12	21.38	21.20	21.31			
5	16QAM	1	12	21.79	21.93	21.74	21.72	21.57			
5	16QAM	1	24	21.57	21.54	21.82	21.43	21.10			
5	16QAM	12	0	20.57	20.92	21.16	20.64	20.88	21.5	2	
5	16QAM	12	7	20.49	20.89	21.01	20.90	20.89			
5	16QAM	12	13	20.90	20.77	20.88	20.58	20.75			
5	16QAM	25	0	20.70	20.74	20.87	20.54	20.89			
5	64QAM	1	0	19.63	19.67	19.82	20.04	19.98			
5	64QAM	1	12	20.07	19.88	20.31	19.86	19.94	21.5	2	
5	64QAM	1	24	20.03	20.27	19.92	19.75	19.57			
5	64QAM	12	0	19.11	19.23	19.63	19.51	19.63			
5	64QAM	12	7	19.42	19.32	19.50	19.41	19.12			
5	64QAM	12	13	19.26	19.38	19.37	19.18	19.64			
5	64QAM	25	0	19.24	19.35	19.57	19.37	19.43	20.5	3	

Full Power Mode

2.4GHz WLAN					Ant 3	
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	19.04	21.00	98.61
		6	2437	19.14	21.00	
		11	2462	19.01	21.00	
	802.11g 6Mbps	1	2412	17.06	19.00	98.26
		6	2437	19.26	21.00	
		11	2462	16.67	18.50	
	802.11n-HT20 MCS0	1	2412	15.77	17.50	98.14
		2	2417	18.47	20.00	
		6	2437	19.09	20.50	
		10	2457	17.89	19.50	
		11	2462	15.54	17.00	
	802.11n-HT40 MCS0	3	2422	13.95	15.50	94.89
		4	2427	14.58	16.00	
		5	2432	16.00	17.50	
		6	2437	17.50	19.00	
		7	2442	17.54	19.00	
		8	2447	15.53	17.00	
		9	2452	13.22	15.00	

5.2GHz WLAN					Ant 3	
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	16.01	18.00	98.26
		40	5200	16.00	19.50	
		44	5220	16.29	19.50	
		48	5240	16.20	19.50	
	802.11n-HT20 MCS0	36	5180	16.49	18.00	98.14
		40	5200	17.97	19.50	
		44	5220	18.25	19.50	
		48	5240	18.04	19.50	
	802.11n-HT40 MCS0	38	5190	13.29	15.00	96.30
		46	5230	17.90	19.50	
		36	5180	16.53	18.00	
	802.11ac-VHT20 MCS0	40	5200	17.93	19.50	98.15
		44	5220	18.28	19.50	
		48	5240	18.14	19.50	
	802.11ac-VHT40 MCS0	38	5190	13.33	15.00	96.30
		46	5230	18.07	19.50	
	802.11ac-VHT80 MCS0	42	5210	11.11	13.00	92.71

5.3GHz WLAN					Ant 3	
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5280	18.39	19.50	98.26
		56	5280	18.48	19.50	
		60	5300	18.54	19.50	
		64	5320	18.34	19.50	
	802.11n-HT20 MCS0	52	5280	18.39	19.50	98.14
		56	5280	18.32	19.50	
		60	5300	18.38	19.50	
		64	5320	18.33	19.50	
	802.11n-HT40 MCS0	54	5270	18.18	19.50	96.30
		62	5310	14.34	16.00	
	802.11ac-VHT20 MCS0	52	5280	18.43	19.50	98.15
		56	5280	18.38	19.50	
		60	5300	18.52	19.50	
		64	5320	18.28	19.50	
	802.11ac-VHT40 MCS0	54	5270	18.27	19.50	96.30
		62	5310	14.45	16.00	
	802.11ac-VHT80 MCS0	58	5290	11.95	13.50	92.71

5.5GHz WLAN					Ant 3	
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	18.22	19.50	98.26
		116	5580	18.23	19.50	
		124	5620	17.94	19.50	
		132	5660	17.98	19.50	
		140	5700	16.85	18.50	
		144	5720	18.02	19.50	
	802.11n-HT20 MCS0	100	5500	18.10	19.50	98.14
		116	5580	18.01	19.50	
		124	5620	17.80	19.50	
		132	5660	17.84	19.50	
		140	5700	17.73	19.50	
		144	5720	17.79	19.50	
	802.11n-HT40 MCS0	102	5510	15.15	17.00	96.30
		110	5550	17.79	19.50	
		126	5630	17.76	19.50	
		134	5670	16.77	18.50	
		142	5710	17.71	19.50	
		100	5500	18.11	19.50	
	802.11ac-VHT20 MCS0	116	5580	18.02	19.50	98.15
		124	5620	17.86	19.50	
		132	5660	17.89	19.50	
		140	5700	17.84	19.50	
		144	5720	17.82	19.50	
		102	5510	15.24	17.00	
	802.11ac-VHT40 MCS0	110	5550	17.92	19.50	96.30
		126	5630	17.81	19.50	
		134	5670	16.81	18.50	
		142	5710	17.77	19.50	
		106	5530	12.52	14.50	
		122	5610	17.76	19.50	
	802.11ac-VHT80 MCS0	138	5690	17.60	19.50	92.71

5.8GHz WLAN					Ant 3	
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	17.91	19.50	98.26
		157	5785	18.09	19.50	
		165	5825	18.10	19.50	
	802.11n-HT20 MCS0	149	5745	17.83	19.50	98.14
		157	5785	17.84	19.50	
		165	5825	17.95	19.50	
	802.11n-HT40 MCS0	151	5755	17.62	19.50	96.30
		159	5795	17.67	19.50	
	802.11ac-VHT20 MCS0	149	5745	17.91	19.50	98.15
		157	5785	17.94	19.50	
		165	5825	17.99	19.50	
	802.11ac-VHT40 MCS0	151	5755	17.77	19.50	96.30
		159	5795	17.73	19.50	
	802.11ac-VHT80 MCS0	155	5775	17.81	19.50	92.71

Reduced Power Mode for Receiver on

5.2GHz WLAN					Ant 3	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.01	18.00	98.26
		40	5200	17.09	18.50	
		44	5220	17.23	18.50	
		48	5240	17.20	18.50	
	802.11n-HT20 MCS0	36	5180	16.49	18.00	98.14
		40	5200	17.05	18.50	
		44	5220	17.21	18.50	
	802.11n-HT40 MCS0	48	5240	17.04	18.50	96.30
		38	5190	13.29	15.00	
		46	5230	16.90	18.50	
	802.11ac-VHT20 MCS0	36	5180	16.53	18.00	98.15
		40	5200	16.96	18.50	
		44	5220	17.21	18.50	
		48	5240	17.19	18.50	
	802.11ac-VHT40 MCS0	38	5190	13.33	15.00	96.30
		46	5230	17.07	18.50	
	802.11ac-VHT80 MCS0	42	5210	11.11	13.00	92.71

5.3GHz WLAN					Ant 3	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.39	18.50	98.26
		56	5280	17.36	18.50	
		60	5300	17.42	18.50	
		64	5320	17.34	18.50	
	802.11n-HT20 MCS0	52	5260	17.39	18.50	98.14
		56	5280	17.32	18.50	
		60	5300	17.38	18.50	
		64	5320	17.33	18.50	
	802.11n-HT40 MCS0	54	5270	17.15	18.50	96.30
		62	5310	14.34	16.00	
	802.11ac-VHT20 MCS0	52	5260	17.31	18.50	98.15
		56	5280	17.38	18.50	
		60	5300	17.35	18.50	
		64	5320	17.16	18.50	
	802.11ac-VHT40 MCS0	54	5270	17.21	18.50	96.30
		62	5310	14.45	16.00	
	802.11ac-VHT80 MCS0	58	5290	11.95	13.50	92.71

5.5GHz WLAN					Ant 3	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.10	15.50	98.26
		116	5580	14.13	15.50	
		124	5620	13.94	15.50	
		132	5660	13.98	15.50	
		140	5700	13.85	15.50	
		144	5720	14.02	15.50	
	802.11n-HT20 MCS0	100	5500	14.10	15.50	98.14
		116	5580	14.01	15.50	
		124	5620	13.80	15.50	
		132	5660	13.84	15.50	
		140	5700	13.73	15.50	
		144	5720	13.79	15.50	
	802.11n-HT40 MCS0	102	5510	13.81	15.50	96.30
		110	5550	13.95	15.50	
		126	5630	13.84	15.50	
		134	5670	13.77	15.50	
	802.11ac-VHT20 MCS0	142	5710	13.71	15.50	98.15
		100	5500	14.01	15.50	
		116	5580	14.02	15.50	
		124	5620	13.86	15.50	
		132	5660	13.89	15.50	
		140	5700	13.84	15.50	
	802.11ac-VHT40 MCS0	144	5720	13.82	15.50	96.30
		102	5510	13.82	15.50	
		110	5550	13.92	15.50	
		126	5630	13.81	15.50	
		134	5670	13.89	15.50	
		142	5710	13.77	15.50	
	802.11ac-VHT80 MCS0	106	5530	12.52	14.50	92.71
		122	5610	13.76	15.50	
		138	5690	13.60	15.50	

5.8GHz WLAN					Ant 3	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	14.89	16.50	98.26
		157	5785	15.06	16.50	
		165	5825	15.09	16.50	
	802.11n-HT20 MCS0	149	5745	14.74	16.50	98.14
		157	5785	14.94	16.50	
		165	5825	14.95	16.50	
	802.11n-HT40 MCS0	151	5755	14.62	16.50	96.30
		159	5795	14.67	16.50	
	802.11ac-VHT20 MCS0	149	5745	14.98	16.50	98.15
		157	5785	14.96	16.50	
		165	5825	14.94	16.50	
	802.11ac-VHT40 MCS0	151	5755	14.77	16.50	96.30
		159	5795	14.63	16.50	
	802.11ac-VHT80 MCS0	155	5775	14.78	16.50	92.71



Reduced Power Mode for Hotspot on

5.2GHz WLAN				Ant 3		
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	16.01	18.00	98.26
		40	5200	17.00	18.50	
		44	5220	17.25	18.50	
		48	5240	17.18	18.50	
	802.11n-HT20 MCS0	36	5180	16.49	18.00	98.14
		40	5200	16.97	18.50	
		44	5220	17.23	18.50	
		48	5240	16.96	18.50	
	802.11n-HT40 MCS0	38	5190	13.29	15.00	96.30
		46	5230	16.90	18.50	
	802.11ac-VHT20 MCS0	36	5180	16.53	18.00	98.15
		40	5200	16.91	18.50	
		44	5220	17.23	18.50	
		48	5240	17.14	18.50	
	802.11ac-VHT40 MCS0	38	5190	13.33	15.00	96.30
		46	5230	17.02	18.50	
	802.11ac-VHT80 MCS0	42	5210	11.11	13.00	92.71

5.8GHz WLAN				Ant 3		
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	15.50	17.00	98.26
		157	5785	15.48	17.00	
		165	5825	15.54	17.00	
	802.11n-HT20 MCS0	149	5745	15.33	17.00	98.14
		157	5785	15.32	17.00	
		165	5825	15.29	17.00	
	802.11n-HT40 MCS0	151	5755	15.12	17.00	96.30
		159	5795	15.16	17.00	
	802.11ac-VHT20 MCS0	149	5745	15.37	17.00	98.15
		157	5785	15.51	17.00	
		165	5825	15.53	17.00	
	802.11ac-VHT40 MCS0	151	5755	15.27	17.00	96.30
		159	5795	15.23	17.00	
	802.11ac-VHT80 MCS0	155	5775	15.33	17.00	92.71



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	11.61	11.91	12.28	9.62	9.15	9.09	9.28	8.99	8.95	13.5
	CH 39	2441	12.42	12.86	12.90	10.33	9.88	9.64	10.36	9.92	9.62	
	CH 78	2480	11.47	11.71	11.85	9.53	8.72	8.67	9.48	8.74	8.57	

BLE

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	6.79
	CH 19	2440	7.04
	CH 39	2480	6.77
Tune-up Limit			8.5