

10922	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



## **Appendix E. Conducted RF Output Power Table**

The detailed power table are shown as follows.



**Full Power Mode**

GSM900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	126	150	151		126	150	151	
Frequency (MHz)	824.2	836.4	848.8	Limit	824.2	836.4	848.8	
GSM 1 Tx slot	32.72	32.81	32.82	33.50	23.72	23.81	23.82	24.50
GPRS 1 Tx slot	32.81	32.85	32.83	33.50	23.81	23.85	23.83	24.50
GPRS 2 Tx slots	30.75	30.74	31.02	32.50	24.75	24.74	25.22	26.50
GPRS 3 Tx slots	28.59	28.57	28.80	30.50	24.33	24.31	24.54	26.24
GPRS 4 Tx slots	26.37	26.25	26.67	28.00	23.37	23.25	23.67	25.00
EDGE 1 Tx slot	26.32	26.31	26.48	28.00	17.32	17.31	17.48	19.00
EDGE 2 Tx slots	24.00	24.14	25.26	25.50	18.06	18.14	18.26	19.50
EDGE 3 Tx slots	22.19	22.58	22.62	23.50	17.93	18.32	18.36	19.24
EDGE 4 Tx slots	20.34	20.38	20.46	21.50	17.34	17.38	17.46	18.50

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1850	1909.8	Limit	1852.2	1850	1909.8	
GSM 1 Tx slot	29.90	29.95	29.84	30.50	20.90	20.95	20.84	21.50
GPRS 1 Tx slot	29.81	29.95	29.74	30.50	20.81	20.95	20.74	21.50
GPRS 2 Tx slots	28.85	28.98	28.89	30.00	22.85	22.98	22.89	24.00
GPRS 3 Tx slots	26.43	26.59	26.54	28.00	22.17	22.33	22.28	23.74
GPRS 4 Tx slots	24.28	24.36	24.31	25.50	21.28	21.36	21.31	22.50
EDGE 1 Tx slot	25.83	25.91	25.75	27.50	16.83	16.91	16.75	18.50
EDGE 2 Tx slots	24.71	24.83	24.65	26.50	18.71	18.83	18.65	20.50
EDGE 3 Tx slots	22.58	22.53	22.50	24.00	18.30	18.27	18.24	19.74
EDGE 4 Tx slots	20.23	20.47	20.30	21.50	17.23	17.47	17.30	18.50

Band	TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
		9562	9600	9538		4192	4162	4253	
	RX Channel	9565	9600	9538	Limit	4192	4162	4253	
	Frequency (MHz)	1852.4	1880	1907.8	(dBm)	826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2kpps	23.51	23.66	23.64	24.00	23.18	23.37	23.40	24.00
3GPP Rel 99	AMR 12.2kpps	23.53	23.67	23.65	24.00	23.19	23.38	23.41	24.00
3GPP Rel 6	HSDPA Subtest-1	22.44	22.52	22.43	23.00	22.23	22.37	22.36	23.00
3GPP Rel 6	HSDPA Subtest-2	22.48	22.54	22.45	23.00	22.23	22.38	22.38	23.00
3GPP Rel 6	HSDPA Subtest-3	21.89	22.02	21.95	22.50	21.70	21.84	21.84	22.50
3GPP Rel 6	HSDPA Subtest-4	21.87	22.02	21.90	22.50	21.72	21.87	21.87	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.43	22.60	22.64	23.00	22.19	22.29	22.10	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.45	22.61	22.72	23.00	22.23	22.23	22.02	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.88	22.10	22.33	22.50	21.73	21.79	21.62	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.92	22.05	22.18	22.50	21.77	21.73	21.54	22.50
3GPP Rel 6	HSUPA Subtest-1	22.48	22.62	22.48	23.00	22.27	22.41	22.09	23.00
3GPP Rel 6	HSUPA Subtest-2	20.49	20.50	20.45	21.00	20.27	20.37	20.34	21.00
3GPP Rel 6	HSUPA Subtest-3	21.46	21.54	21.46	22.00	21.27	21.41	21.35	22.00
3GPP Rel 6	HSUPA Subtest-4	20.44	20.51	20.45	21.00	20.26	20.41	20.34	21.00
3GPP Rel 6	HSUPA Subtest-5	22.50	22.50	22.50	23.00	22.30	22.40	22.40	23.00



Band 2 (1900MHz Band) Part 24E										
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	23.54	23.52	23.67	24	0		
20	QPSK	1	49	23.32	23.42	23.40				
20	QPSK	1	99	23.49	23.50	23.59				
20	QPSK	50	0	22.36	22.49	22.53				
20	QPSK	50	24	22.38	22.50	22.56	23	1		
20	QPSK	50	50	22.38	22.48	22.56				
20	QPSK	100	0	22.39	22.61	22.64				
20	16QAM	1	0	22.76	22.90	22.95				
20	16QAM	1	49	22.59	22.71	22.65	23	1		
20	16QAM	1	99	22.76	22.80	22.71				
20	16QAM	50	0	21.36	21.45	21.51				
20	16QAM	50	24	21.37	21.50	21.58				
20	16QAM	50	50	21.38	21.51	21.52	22	2		
20	16QAM	100	0	21.42	21.55	21.53				
20	64QAM	1	0	21.66	21.79	21.89				
20	64QAM	1	49	21.53	21.61	21.57	22	2		
20	64QAM	1	99	21.70	21.72	21.76				
20	64QAM	50	0	20.37	20.48	20.49				
20	64QAM	50	24	20.41	20.51	20.58				
20	64QAM	50	50	20.37	20.54	20.51	21	3		
20	64QAM	100	0	20.42	20.53	20.52				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.34	23.32	23.59	24	0		
15	QPSK	1	37	23.29	23.41	23.42				
15	QPSK	1	74	23.58	23.61	23.59				
15	QPSK	36	0	22.29	22.41	22.52				
15	QPSK	36	20	22.37	22.47	22.50	23	1		
15	QPSK	36	39	22.33	22.50	22.51				
15	QPSK	75	0	22.25	22.51	22.51				
15	16QAM	1	0	22.83	22.80	22.87				
15	16QAM	1	37	22.84	22.71	22.80	23	1		
15	16QAM	1	74	22.81	22.97	22.78				
15	16QAM	36	0	21.33	21.39	21.52				
15	16QAM	36	20	21.39	21.46	21.45				
15	16QAM	36	39	21.36	21.46	21.45	22	2		
15	16QAM	75	0	21.30	21.54	21.53				
15	64QAM	1	0	21.77	21.82	21.88				
15	64QAM	1	37	21.85	21.87	21.82	22	2		
15	64QAM	1	74	21.81	21.87	21.80				
15	64QAM	36	0	20.36	20.44	20.53				
15	64QAM	36	20	20.40	20.47	20.51				
15	64QAM	36	39	20.39	20.49	20.50	21	3		
15	64QAM	75	0	20.28	20.53	20.52				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.37	23.45	23.61	24	0		
10	QPSK	1	25	23.11	23.20	23.25				
10	QPSK	1	49	23.45	23.55	23.58				
10	QPSK	25	0	22.16	22.28	22.29				
10	QPSK	25	12	22.12	22.27	22.22	23	1		
10	QPSK	25	25	22.22	22.27	22.31				
10	QPSK	50	0	22.14	22.28	22.25				
10	16QAM	1	0	22.71	22.76	22.66				
10	16QAM	1	25	22.45	22.54	22.44	23	1		
10	16QAM	1	49	22.62	22.81	22.80				
10	16QAM	25	0	21.18	21.31	21.32				
10	16QAM	25	12	21.18	21.25	21.21	22	2		
10	16QAM	25	25	21.25	21.25	21.28				
10	16QAM	50	0	21.18	21.30	21.27				
10	64QAM	1	0	21.58	21.67	21.62				
10	64QAM	1	25	21.23	21.33	21.29	22	2		
10	64QAM	1	49	21.57	21.62	21.62				
10	64QAM	25	0	20.22	20.39	20.32				
10	64QAM	25	12	20.20	20.27	20.23	21	3		
10	64QAM	25	25	20.29	20.30	20.32				
10	64QAM	50	0	20.18	20.30	20.27				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.28	23.42	23.47	24	0		
5	QPSK	1	14	23.10	23.13	23.25				
5	QPSK	1	24	23.12	23.14	23.23				
5	QPSK	12	0	22.18	22.28	22.23				
5	QPSK	12	7	22.15	22.23	22.22	23	1		
5	QPSK	12	13	22.10	22.19	22.21				
5	QPSK	25	0	22.17	22.26	22.27				
5	16QAM	1	0	22.58	22.62	22.54				
5	16QAM	1	12	22.42	22.48	22.45	23	1		
5	16QAM	1	24	22.39	22.47	22.49				
5	16QAM	12	0	21.25	21.29	21.28				
5	16QAM	12	7	21.21	21.26	21.25	22	2		
5	16QAM	12	13	21.17	21.22	21.24				
5	16QAM	25	0	21.21	21.25	21.27				
5	64QAM	1	0	21.47	21.53	21.45				
5	64QAM	1	12	21.31	21.40	21.40	22	2		
5	64QAM	1	24	21.26	21.33	21.28				
5	64QAM	12	0	20.28	20.34	20.30				
5	64QAM	12	7	20.22	20.29	20.30	21	3		
5	64QAM	12	13	20.16	20.22	20.27				
5	64QAM	25	0	20.21	20.27	20.31				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.31	23.36	23.65	24	0		
3	QPSK	1	8	23.16	23.20	23.20				
3	QPSK	1	14	23.10	23.13	23.13				
3	QPSK	8	0	22.15	22.20	22.20				
3	QPSK	8	4	22.15	22.22	22.20	23	1		
3	QPSK	8	7	22.07	22.18	22.18				
3	QPSK	15	0	22.11	22.19	22.22				
3	16QAM	1	0	22.53	22.62	22.55				
3	16QAM	1	8	22.47	22.53	22.55	23	1		
3	16QAM	1	14	22.44	22.47	22.43				
3	16QAM	8	0	21.24	21.27	21.24				
3	16QAM	8	4	21.23	21.28	21.25	22	2		
3	16QAM	8	7	21.20	21.23	21.19				
3	16QAM	15	0	21.15	21.22	21.23				
3	64QAM	1	0	21.36	21.43	21.37				
3	64QAM	1	8	21.37	21.36	21.31	22	2		
3	64QAM	1	14	21.28	21.36	21.33				
3	64QAM	8	0	20.22	20.28	20.26				
3	64QAM	8	4	20.25	20.28	20.23	21	3		
3	64QAM	8	7	20.18	20.22	20.22				
3	64QAM	15	0	20.17	20.23	20.20				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.44	23.44	23.66	24	0		
1.4	QPSK	1	3	23.24	23.24	23.17				
1.4	QPSK	1	5	23.16	23.19	23.08				
1.4	QPSK	3	0	23.20	23.23	23.21				
1.4	QPSK	3	3	23.20	23.19	23.21	23	1		
1.4	QPSK	6	0	22.13	22.24	22.17				
1.4	16QAM	1	0	22.52	22.60	22.56				
1.4	16QAM	1	3	22.52	22.59	22.58				
1.4	16QAM	1	5	22.46	22.55	22.46	23	1		
1.4	16QAM	3	0	22.25	22.27	22.19				
1.4	16QAM	3	1	22.26	22.34	22.19				
1.4	16QAM	3	3	22.19	22.26	22.13				
1.4	16QAM	6	0	21.27	21.26	21.30	22	2		
1.4	64QAM	1	0	21.43	21.42	21.36				
1.4	64QAM	1	3	21.39	21.38	21.39				
1.4	64QAM	1	5	21.37	21.36	21.36	22	2		
1.4	64QAM	3	0	21.35	21.34	21.33				
1.4	64QAM	3	1	21.41	21.42	21.38				
1.4	64QAM	3	3	21.37	21.38	21.32				
1.4	64QAM	6	0	20.23	20.24	20.19	21	3		

Band 5 (Cellular Band) Part 22H(only on channel required)										
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	23.40	23.24	23.37	24	0		
10	QPSK	1	25	23.17	23.16	23.22				
10	QPSK	1	49	23.43	23.54					

Band 26 for FCC (only on channel required)									
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				26705	26855	26955			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.24	23.21	23.18			
15	QPSK	1	37	23.30	23.26	23.27	24	0	
15	QPSK	1	74	23.55	23.48	23.23			
15	QPSK	36	0	22.40	22.29	22.39			
15	QPSK	36	20	22.12	22.11	22.05	23	1	
15	QPSK	36	39	22.05	22.08	22.04			
15	QPSK	75	0	22.20	22.12	22.15			
15	16QAM	1	0	22.75	22.51	22.71			
15	16QAM	1	37	22.42	22.36	22.25	23	1	
15	16QAM	1	74	22.71	22.73	22.42			
15	16QAM	36	0	21.27	21.25	21.41			
15	16QAM	36	20	21.10	21.13	21.06			
15	16QAM	36	39	21.05	21.08	21.09	22	2	
15	16QAM	75	0	21.13	21.09	21.13			
15	64QAM	1	0	21.46	21.37	21.73			
15	64QAM	1	37	21.24	21.17	21.22	22	2	
15	64QAM	1	74	21.70	21.70	21.38			
15	64QAM	36	0	20.31	20.35	20.46			
15	64QAM	36	20	20.13	20.17	20.12	21	3	
15	64QAM	36	39	20.14	20.12	19.88			
15	64QAM	75	0	20.13	20.09	20.14			
Channel				26740	26855	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.13	23.38	23.09			
10	QPSK	1	25	23.32	23.29	23.13	24	0	
10	QPSK	1	49	23.40	23.44	23.18			
10	QPSK	25	0	22.15	22.21	22.15			
10	QPSK	25	12	22.18	22.24	22.04	23	1	
10	QPSK	25	25	22.21	22.34	22.07			
10	QPSK	50	0	22.19	22.27	22.07			
10	16QAM	1	0	22.67	22.66	22.64			
10	16QAM	1	25	22.41	22.50	22.32	23	1	
10	16QAM	1	49	22.58	22.69	22.47			
10	16QAM	25	0	21.13	21.20	21.17			
10	16QAM	25	12	21.14	21.23	21.03			
10	16QAM	25	25	21.23	21.33	21.05	22	2	
10	16QAM	50	0	21.19	21.21	21.10			
10	64QAM	1	0	21.54	21.55	21.57			
10	64QAM	1	25	21.18	21.30	21.14	22	2	
10	64QAM	1	49	21.53	21.54	21.28			
10	64QAM	25	0	20.14	20.22	20.17			
10	64QAM	25	12	20.16	20.25	20.06	21	3	
10	64QAM	25	25	20.25	20.34	20.07			
10	64QAM	50	0	20.16	20.24	20.12			
Channel				26715	26855	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.19	23.12	22.84			
5	QPSK	1	12	23.16	23.17	22.86	24	0	
5	QPSK	1	24	23.10	23.22	22.88			
5	QPSK	12	0	22.21	22.25	21.99			
5	QPSK	12	7	22.07	22.21	21.95	23	1	
5	QPSK	12	13	22.06	22.22	21.92			
5	QPSK	25	0	22.10	22.18	21.96			
5	16QAM	1	0	22.47	22.43	22.25			
5	16QAM	1	12	22.30	22.42	22.13	23	1	
5	16QAM	1	24	22.42	22.51	22.15			
5	16QAM	12	0	21.26	21.27	21.02			
5	16QAM	12	7	21.09	21.23	20.97	22	2	
5	16QAM	12	13	21.09	21.24	20.95			
5	16QAM	25	0	21.07	21.21	20.96			
5	64QAM	1	0	21.40	21.35	21.10			
5	64QAM	1	12	21.19	21.37	21.07	22	2	
5	64QAM	1	24	21.21	21.36	21.02			
5	64QAM	12	0	20.24	20.30	20.02			
5	64QAM	12	7	20.15	20.28	20.02	21	3	
5	64QAM	12	13	20.14	20.28	19.99			
5	64QAM	25	0	20.07	20.21	19.97			
Channel				26705	26855	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.06	23.19	23.00			
3	QPSK	1	8	23.07	23.17	22.92	24	0	
3	QPSK	1	14	23.05	23.16	22.87			
3	QPSK	8	0	22.20	22.11	21.88			
3	QPSK	8	4	22.20	22.19	21.90	23	1	
3	QPSK	8	7	22.15	22.17	21.87			
3	QPSK	15	0	22.14	22.16	21.90			
3	16QAM	1	0	22.33	22.50	22.20			
3	16QAM	1	8	22.47	22.44	22.19	23	1	
3	16QAM	1	14	22.28	22.46	22.23			
3	16QAM	8	0	21.24	21.17	20.93			
3	16QAM	8	4	21.22	21.24	20.95	22	2	
3	16QAM	8	7	21.20	21.21	20.92			
3	16QAM	15	0	21.20	21.17	20.95			
3	64QAM	1	0	21.30	21.40	21.08			
3	64QAM	1	8	21.33	21.38	21.04	22	2	
3	64QAM	1	14	21.22	21.31	21.08			
3	64QAM	8	0	20.20	20.15	19.90			
3	64QAM	8	4	20.25	20.24	19.94	21	3	
3	64QAM	8	7	20.16	20.21	19.94			
3	64QAM	15	0	20.21	20.19	19.98			
Channel				26697	26855	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.07	23.12	22.98			
1.4	QPSK	1	3	23.04	23.10	22.89	24	0	
1.4	QPSK	1	5	23.15	23.11	22.86			
1.4	QPSK	3	0	23.17	23.15	22.85			
1.4	QPSK	3	1	23.23	23.18	22.86			
1.4	QPSK	3	3	23.22	23.17	22.89			
1.4	QPSK	6	0	22.18	22.10	21.84	23	1	
1.4	16QAM	1	0	22.52	22.39	22.11			
1.4	16QAM	1	3	22.44	22.46	22.22			
1.4	16QAM	1	5	22.55	22.41	22.19	23	1	
1.4	16QAM	3	0	22.24	22.17	21.89			
1.4	16QAM	3	1	22.22	22.20	21.90			
1.4	16QAM	3	3	22.10	22.15	21.93			
1.4	16QAM	6	0	21.18	21.17	20.92	22	2	
1.4	64QAM	1	0	21.29	21.28	20.97			
1.4	64QAM	1	3	21.33	21.37	21.14			
1.4	64QAM	1	5	21.28	21.33	21.06	22	2	
1.4	64QAM	3	0	21.34	21.27	20.98			
1.4	64QAM	3	1	21.36	21.29	21.01			
1.4	64QAM	3	3	21.31	21.30	21.03			
1.4	64QAM	6	0	20.14	20.13	19.87	21	3	



Band 38(only on channel required)									
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	23.57	23.44	23.51	24	0	
20	QPSK	1	49	23.97	23.58	23.59			
20	QPSK	1	99	23.67	23.52	23.39			
20	QPSK	50	0	22.88	22.85	22.54	23	1	
20	QPSK	50	24	22.96	22.84	22.59			
20	QPSK	50	50	22.83	22.77	22.55			
20	QPSK	100	0	22.77	22.45	22.67	23	1	
20	16QAM	1	0	22.83	22.66	22.49			
20	16QAM	1	49	22.93	22.91	22.46			
20	16QAM	50	0	22.81	22.79	22.57	22	2	
20	16QAM	50	0	21.66	21.48	21.50			
20	16QAM	50	24	21.96	21.58	21.58			
20	16QAM	50	50	21.94	21.68	21.61	22	2	
20	16QAM	100	0	21.88	21.60	21.52			
20	64QAM	1	0	21.55	21.23	21.57			
20	64QAM	1	49	21.59	21.25	21.51	22	2	
20	64QAM	1	99	21.64	21.38	21.26			
20	64QAM	50	0	20.75	20.35	20.98			
20	64QAM	50	24	20.94	20.68	20.90	21	3	
20	64QAM	50	50	20.92	20.58	20.52			
20	64QAM	100	0	20.87	20.63	20.54			
Channel				37825	38000	38035	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2605			
15	QPSK	1	0	23.69	23.50	23.35	24	0	
15	QPSK	1	37	23.53	23.34	23.44			
15	QPSK	1	74	23.65	23.50	23.60			
15	QPSK	36	0	22.67	22.54	22.53	23	1	
15	QPSK	36	20	22.89	22.55	22.62			
15	QPSK	36	39	22.92	22.50	22.63			
15	QPSK	75	0	22.85	22.54	22.52	23	1	
15	16QAM	1	0	22.77	22.50	22.54			
15	16QAM	1	37	22.99	22.86	22.96			
15	16QAM	1	74	22.86	22.82	22.86	22	2	
15	16QAM	36	0	21.69	21.59	21.50			
15	16QAM	36	20	21.92	21.53	21.73			
15	16QAM	36	39	21.88	21.60	21.46	22	2	
15	16QAM	75	0	21.86	21.48	21.85			
15	64QAM	1	0	21.62	21.07	21.22			
15	64QAM	1	37	21.36	21.28	21.41	22	2	
15	64QAM	1	74	21.61	21.32	21.36			
15	64QAM	36	0	20.95	20.65	20.56			
15	64QAM	36	20	20.85	20.57	20.57	21	3	
15	64QAM	36	39	21.00	20.55	20.61			
15	64QAM	75	0	20.76	20.50	20.60			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.65	23.71	23.61	24	0	
10	QPSK	1	25	23.81	23.73	23.68			
10	QPSK	1	49	23.94	23.86	23.65			
10	QPSK	25	0	22.98	22.66	22.74	23	1	
10	QPSK	25	12	22.93	22.63	22.71			
10	QPSK	25	25	22.95	22.72	22.81			
10	QPSK	50	0	22.96	22.67	22.75	23	1	
10	16QAM	1	0	22.93	22.94	22.91			
10	16QAM	1	25	22.96	22.82	22.84			
10	16QAM	1	49	22.93	22.97	22.70	22	2	
10	16QAM	25	0	21.92	21.69	21.76			
10	16QAM	25	12	21.91	21.58	21.76			
10	16QAM	25	25	21.94	21.76	21.76	22	2	
10	16QAM	50	0	21.97	21.73	21.83			
10	64QAM	1	0	21.85	21.53	21.69			
10	64QAM	1	25	21.65	21.45	21.51	22	2	
10	64QAM	1	49	21.87	21.68	21.50			
10	64QAM	25	0	20.94	20.72	20.82			
10	64QAM	25	12	20.93	20.62	20.63	21	3	
10	64QAM	25	25	20.94	20.83	20.84			
10	64QAM	50	0	20.95	20.73	20.77			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.75	23.81	23.52	24	0	
5	QPSK	1	12	23.74	23.75	23.69			
5	QPSK	1	24	23.95	23.62	23.67			
5	QPSK	12	0	22.93	22.70	22.73	23	1	
5	QPSK	12	7	22.98	22.64	22.77			
5	QPSK	12	13	22.97	22.72	22.71			
5	QPSK	25	0	22.96	22.65	22.80	23	1	
5	16QAM	1	0	23.00	22.76	22.91			
5	16QAM	1	12	22.92	22.95	22.83			
5	16QAM	1	24	22.99	22.74	22.91	22	2	
5	16QAM	12	0	21.95	21.67	21.81			
5	16QAM	12	7	21.92	21.73	21.77			
5	16QAM	12	13	21.94	21.72	21.71	22	2	
5	16QAM	25	0	21.99	21.70	21.86			
5	64QAM	1	0	21.85	21.74	21.61			
5	64QAM	1	12	21.87	21.54	21.82	22	2	
5	64QAM	1	24	21.75	21.55	21.51			
5	64QAM	12	0	20.99	20.75	20.68			
5	64QAM	12	7	20.97	20.80	20.75	21	3	
5	64QAM	12	13	21.00	20.80	20.80			
5	64QAM	25	0	20.92	20.65	20.82			

Band 41 (2.6G Band)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2646		
20	QPSK	1	0	23.66	23.79	23.68	24	0	
20	QPSK	1	49	23.81	23.86	23.98			
20	QPSK	1	99	23.60	23.72	23.67			
20	QPSK	50	0	22.87	22.76	22.96	23	1	
20	QPSK	50	24	22.93	22.92	22.70			
20	QPSK	50	50	22.94	22.67	22.73			
20	QPSK	100	0	22.70	22.76	22.80	23	1	
20	16QAM	1	0	22.86	22.91	22.76			
20	16QAM	1	49	22.95	22.80	22.92			
20	16QAM	1	99	22.60	22.64	22.51	22	2	
20	16QAM	50	0	21.91	21.82	21.80			
20	16QAM	50	24	21.96	22.00	21.80			
20	16QAM	50	50	21.85	21.73	21.64	22	2	
20	16QAM	100	0	21.85	21.84	21.60			
20	64QAM	1	0	21.39	21.45	21.34			
20	64QAM	1	49	21.65	21.68	21.52	22	2	
20	64QAM	1	99	21.38	21.35	21.25			
20	64QAM	50	0	20.85	20.75	20.64			
20	64QAM	50	24	20.54	20.73	20.76	21	3	
20	64QAM	50	50	20.75	20.64	20.58			
20	64QAM	100	0	20.82	20.79	20.66			
Channel				40115	40355	40655	41145	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	23.80	23.80	23.61	24	0	
15	QPSK	1	37	23.79	23.91	23.65			
15	QPSK	1	74	23.78	23.59	23.66			
15	QPSK	36	0	22.93	22.73	22.83	23	1	
15	QPSK	36	20	22.98	22.85	22.74			
15	QPSK	36	39	22.98	23.00	22.70			
15	QPSK	75	0	22.94	22.88	22.97	23	1	
15	16QAM	1	0	22.62	22.57	22.61			
15	16QAM	1	37	22.48	22.72	22.59			
15	16QAM	1	74	22.50	22.28	22.47	22	2	
15	16QAM	36	0	21.90	21.84	21.97			
15	16QAM	36	20	21.98	21.94	21.99			
15	16QAM	36	39	21.99	21.92	21.71	22	2	
15	16QAM	75	0	21.91	21.85	21.69			
15	64QAM	1	0	21.57	21.51	21.56			
15	64QAM	1	37	21.74	21.56	21.54	22	2	
15	64QAM	1	74	21.75	21.61	21.84			
15	64QAM	36	0	20.84	20.89	20.99			
15	64QAM	36	20	21.00	20.78	20.93	21	3	
15	64QAM	36	39	20.93	20.97	20.89			
15	64QAM	75	0	20.91	20.88	20.92			
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	23.72	23.60	23.74	24	0	
10	QPSK	1	25	23.78	23.57	23.66			
10	QPSK	1	49	23.77	23.89	23.61			
10	QPSK	25	0	22.95	22.93	22.74	23	1	
10	QPSK	25	12	22.96	22.98	22.73			
10	QPSK	25	25	22.93	22.83	22.71			
10	QPSK	50	0	22.99	22.96	22.67	23	1	
10	16QAM	1	0	22.81	22.91	22.77			
10	16QAM	1	25	22.56	22.71	22.87			



**Reduced Power Mode for Sensor On**

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	126	160	231		126	160	231	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	30.23	30.26	30.23	<b>31.00</b>	21.23	21.26	21.23	22.00
GPRS 1 Tx slot	30.21	30.24	30.21	<b>31.00</b>	21.21	21.24	21.21	22.00
GPRS 2 Tx slots	28.17	28.19	28.21	<b>28.00</b>	22.17	22.19	22.21	28.00
GPRS 3 Tx slots	26.16	26.18	26.17	<b>26.00</b>	21.90	21.92	21.91	23.74
GPRS 4 Tx slots	23.86	23.83	23.75	<b>25.50</b>	20.66	20.83	20.75	22.50
EDGE 1 Tx slot	23.64	23.69	23.67	<b>23.30</b>	14.64	14.69	14.67	16.50
EDGE 2 Tx slots	21.59	21.57	21.55	<b>23.00</b>	15.56	15.57	15.55	17.00
EDGE 3 Tx slots	19.56	19.64	19.63	<b>21.00</b>	15.30	15.38	15.37	16.74
EDGE 4 Tx slots	17.43	17.46	17.46	<b>19.00</b>	14.43	14.48	14.46	16.00

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1870	1903.8	1852.2	1870	1903.8		
GSM 1 Tx slot	27.52	27.65	27.59	<b>28.00</b>	18.52	18.65	18.59	19.00
GPRS 1 Tx slot	27.51	27.64	27.58	<b>28.00</b>	18.51	18.64	18.58	19.00
GPRS 2 Tx slots	26.88	26.93	26.85	<b>27.50</b>	20.88	20.93	20.85	21.50
GPRS 3 Tx slots	24.04	24.09	24.07	<b>25.50</b>	19.78	19.83	19.81	21.24
GPRS 4 Tx slots	21.58	21.66	21.58	<b>23.00</b>	18.58	18.66	18.58	20.00
EDGE 1 Tx slot	23.45	23.53	23.52	<b>26.00</b>	14.45	14.53	14.52	16.00
EDGE 2 Tx slots	22.87	22.88	22.83	<b>24.00</b>	16.57	16.68	16.63	18.00
EDGE 3 Tx slots	19.73	19.91	19.83	<b>21.80</b>	15.47	15.65	15.57	17.24
EDGE 4 Tx slots	17.53	17.77	17.68	<b>19.00</b>	14.53	14.77	14.68	16.00

Band TX Channel	WCDMA II			Tune-up Limit (dBm)
	9000	9600	9538	
Frequency (MHz)	1852.4	1880	1907.8	
3GPP Rel 99 AMR 12.2kpps	18.99	19.13	19.11	<b>19.50</b>
3GPP Rel 99 RMC 12.2kpps	19.02	19.17	19.16	<b>19.50</b>
3GPP Rel 6 HSDPA Subtest-1	17.93	18.00	17.89	<b>18.50</b>
3GPP Rel 6 HSDPA Subtest-2	17.95	18.02	17.92	<b>18.50</b>
3GPP Rel 6 HSDPA Subtest-3	17.37	17.51	17.42	<b>18.00</b>
3GPP Rel 6 HSDPA Subtest-4	17.35	17.50	17.35	<b>18.00</b>
3GPP Rel 8 DC-HSDPA Subtest-1	17.91	18.06	18.10	<b>18.50</b>
3GPP Rel 8 DC-HSDPA Subtest-2	17.93	18.09	18.20	<b>18.50</b>
3GPP Rel 8 DC-HSDPA Subtest-3	17.45	17.59	17.79	<b>18.00</b>
3GPP Rel 8 DC-HSDPA Subtest-4	17.39	17.51	17.61	<b>18.00</b>
3GPP Rel 6 HSUPA Subtest-1	17.95	17.97	17.95	<b>18.50</b>
3GPP Rel 6 HSUPA Subtest-2	15.97	15.86	15.91	<b>16.50</b>
3GPP Rel 6 HSUPA Subtest-3	16.83	17.02	16.97	<b>17.50</b>
3GPP Rel 6 HSUPA Subtest-4	15.91	15.97	15.94	<b>16.50</b>
3GPP Rel 6 HSUPA Subtest-5	17.99	17.98	17.96	<b>18.50</b>



Band 2 (1900MHz Band) Part 24E										
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				1670	1680	1910				
Frequency (MHz)				1670	1680	1910				
20	QPSK	1	0	19.53	19.61	19.65				
20	QPSK	1	49	19.49	19.59	19.54	20	0		
20	QPSK	1	99	19.48	19.58	19.53				
20	QPSK	50	0	19.48	19.58	19.53				
20	QPSK	50	24	19.50	19.58	19.53	20	0		
20	QPSK	50	50	19.51	19.58	19.53				
20	QPSK	100	0	19.51	19.58	19.60				
20	16QAM	1	0	19.49	19.59	19.53				
20	16QAM	1	49	19.50	19.60	19.52	20	0		
20	16QAM	1	99	19.51	19.60	19.53				
20	16QAM	50	0	19.50	19.58	19.53				
20	16QAM	50	24	19.49	19.50	19.55				
20	16QAM	50	50	19.49	19.58	19.55	20	0		
20	16QAM	100	0	19.50	19.58	19.55				
20	64QAM	1	0	19.50	19.58	19.55				
20	64QAM	1	49	19.50	19.60	19.53				
20	64QAM	1	99	19.52	19.58	19.52				
20	64QAM	50	0	19.50	19.57	19.55				
20	64QAM	50	24	19.49	19.59	19.55				
20	64QAM	50	50	19.49	19.57	19.52	20	0		
20	64QAM	100	0	19.48	19.59	19.54				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	19.20	19.33	19.25				
15	QPSK	1	37	19.19	19.30	19.24	20	0		
15	QPSK	1	74	19.25	19.33	19.24				
15	QPSK	36	0	19.25	19.27	19.27				
15	QPSK	36	20	19.23	19.29	19.23	20	0		
15	QPSK	36	39	19.25	19.34	19.24				
15	QPSK	75	0	19.25	19.32	19.27				
15	16QAM	1	0	19.20	19.33	19.27				
15	16QAM	1	37	19.23	19.34	19.25	20	0		
15	16QAM	1	74	19.20	19.31	19.24				
15	16QAM	36	0	19.26	19.30	19.25				
15	16QAM	36	20	19.23	19.32	19.24	20	0		
15	16QAM	36	39	19.25	19.33	19.29				
15	16QAM	75	0	19.24	19.29	19.24				
15	64QAM	1	0	19.25	19.30	19.22				
15	64QAM	1	37	19.22	19.31	19.25	20	0		
15	64QAM	1	74	19.20	19.31	19.25				
15	64QAM	36	0	19.26	19.29	19.22				
15	64QAM	36	20	19.22	19.30	19.26	20	0		
15	64QAM	36	39	19.24	19.34	19.23				
15	64QAM	75	0	19.27	19.32	19.22				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	19.24	19.30	19.25				
10	QPSK	1	25	19.23	19.30	19.29	20	0		
10	QPSK	1	49	19.20	19.32	19.28				
10	QPSK	25	0	19.21	19.31	19.26				
10	QPSK	25	12	19.23	19.29	19.29	20	0		
10	QPSK	25	25	19.23	19.34	19.28				
10	QPSK	50	0	19.22	19.29	19.23				
10	16QAM	1	0	19.25	19.28	19.30				
10	16QAM	1	25	19.26	19.28	19.28	20	0		
10	16QAM	1	49	19.22	19.31	19.29				
10	16QAM	25	0	19.23	19.34	19.25				
10	16QAM	25	12	19.25	19.35	19.27				
10	16QAM	25	25	19.25	19.27	19.28	20	0		
10	16QAM	50	0	19.24	19.30	19.25				
10	64QAM	1	0	19.21	19.33	19.23				
10	64QAM	1	25	19.26	19.34	19.27	20	0		
10	64QAM	1	49	19.25	19.32	19.29				
10	64QAM	25	0	19.20	19.31	19.27				
10	64QAM	25	12	19.22	19.34	19.28	20	0		
10	64QAM	25	25	19.24	19.27	19.25				
10	64QAM	50	0	19.19	19.31	19.24				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	19.25	19.31	19.29				
5	QPSK	1	12	19.27	19.35	19.30	20	0		
5	QPSK	1	24	19.24	19.34	19.27				
5	QPSK	12	0	19.23	19.34	19.30				
5	QPSK	12	7	19.24	19.32	19.29	20	0		
5	QPSK	12	13	19.26	19.31	19.29				
5	QPSK	25	0	19.24	19.34	19.29				
5	16QAM	1	0	19.26	19.32	19.28				
5	16QAM	1	12	19.24	19.34	19.28	20	0		
5	16QAM	1	24	19.25	19.35	19.27				
5	16QAM	12	0	19.25	19.35	19.30				
5	16QAM	12	7	19.24	19.34	19.30	20	0		
5	16QAM	12	13	19.25	19.34	19.28				
5	16QAM	25	0	19.26	19.32	19.26				
5	64QAM	1	0	19.27	19.34	19.28				
5	64QAM	1	12	19.26	19.34	19.28	20	0		
5	64QAM	1	24	19.24	19.32	19.27				
5	64QAM	12	0	19.24	19.34	19.26				
5	64QAM	12	7	19.24	19.32	19.28	20	0		
5	64QAM	12	13	19.23	19.31	19.28				
5	64QAM	25	0	19.23	19.31	19.28				
5	64QAM	25	0	19.25	19.34	19.30				
Channel				18815	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1881.5	1880	1908.5				
3	QPSK	1	0	19.21	19.34	19.29				
3	QPSK	1	8	19.26	19.31	19.28	20	0		
3	QPSK	1	14	19.22	19.28	19.23				
3	QPSK	8	0	19.24	19.34	19.23				
3	QPSK	8	4	19.20	19.30	19.25	20	0		
3	QPSK	8	7	19.22	19.30	19.27				
3	QPSK	15	0	19.20	19.31	19.27				
3	16QAM	1	0	19.25	19.32	19.24				
3	16QAM	1	8	19.20	19.29	19.28	20	0		
3	16QAM	1	14	19.24	19.31	19.28				
3	16QAM	8	0	19.23	19.30	19.25				
3	16QAM	8	4	19.22	19.33	19.28	20	0		
3	16QAM	8	7	19.20	19.35	19.22				
3	16QAM	15	0	19.26	19.33	19.30				
3	64QAM	1	0	19.21	19.28	19.26				
3	64QAM	1	8	19.27	19.27	19.23	20	0		
3	64QAM	1	14	19.19	19.34	19.29				
3	64QAM	8	0	19.22	19.32	19.23				
3	64QAM	8	4	19.20	19.35	19.26	20	0		
3	64QAM	8	7	19.20	19.30	19.28				
3	64QAM	15	0	19.25	19.29	19.26				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	19.26	19.34	19.29				
1.4	QPSK	1	3	19.26	19.28	19.25	20	0		
1.4	QPSK	1	5	19.19	19.35	19.26				
1.4	QPSK	3	0	19.23	19.31	19.23				
1.4	QPSK	3	1	19.20	19.32	19.24				
1.4	QPSK	3	3	19.20	19.31	19.28				
1.4	QPSK	6	0	19.20	19.34	19.23	20	0		
1.4	16QAM	1	0	19.21	19.32	19.22				
1.4	16QAM	1	5	19.25	19.34	19.25				
1.4	16QAM	1	5	19.26	19.33	19.23	20	0		
1.4	16QAM	3	0	19.26	19.28	19.26				
1.4	16QAM	3	1	19.21	19.31	19.25				
1.4	16QAM	3	3	19.25	19.29	19.25				
1.4	16QAM	6	0	19.27	19.35	19.28	20	0		
1.4	64QAM	1	0	19.23	19.35	19.26				
1.4	64QAM	1	3	19.20	19.29	19.25				
1.4	64QAM	1	5	19.26	19.27	19.26	20	0		
1.4	64QAM	3	0	19.24	19.30	19.24				
1.4	64QAM	3	1	19.26	19.32	19.23				
1.4	64QAM	3	3	19.20	19.33	19.26				
1.4	64QAM	6	0	19.20	19.28	19.23	20	0		

Band 7 (2600MHz Band) Part 27										
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				20650	21100	21550				
Frequency (MHz)				20650	21100	21550				
20	QPSK	1	0	20.18	20.27	20.25				
20	QPSK	1	49	20.10	20.24	20.26	20.5	0		
20	QPSK	1	99	20.19	20.17	20.14				
20	QPSK	50	0	19.89	20.11	20.01				
20	QPSK	50	24	19.89	20.35	20.07	20.5	0		
20	QPSK	50	50	19.92	20.15	20.08				
20	QPSK	100	0	19.99	20.16	20.02				
20	16QAM	1	0	19.83	19.94	20.05				
20	16QAM	1	49	19.79	20.00	20.10	20.5	0		
20	16QAM	1	99	19.82	19.89	19				





Band 38(only on channel required)									
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	22.95	22.86	22.84	23.5	0	
20	QPSK	1	49	23.15	22.97	22.94			
20	QPSK	1	99	23.11	22.90	22.78			
20	QPSK	50	0	22.72	22.81	22.41	23	0.5	
20	QPSK	50	24	22.88	22.75	22.43			
20	QPSK	50	50	22.72	22.65	22.46			
20	QPSK	100	0	22.63	22.32	22.53	23	0.5	
20	16QAM	1	0	22.68	22.55	22.43			
20	16QAM	1	49	22.82	22.69	22.37			
20	16QAM	50	0	21.53	21.35	21.44	22	1.5	
20	16QAM	50	24	21.80	21.50	21.51			
20	16QAM	50	50	21.82	21.64	21.50			
20	16QAM	100	0	21.84	21.51	21.46	22	1.5	
20	64QAM	1	0	21.46	21.16	21.42			
20	64QAM	1	49	21.54	21.19	21.35			
20	64QAM	1	99	21.61	21.31	21.20	21	2.5	
20	64QAM	50	0	20.67	20.46	20.88			
20	64QAM	50	24	20.80	20.64	20.82			
20	64QAM	50	50	20.77	20.50	20.47	21	2.5	
20	64QAM	100	0	20.74	20.53	20.43			
Channel				37825	38000	38200			
Frequency (MHz)				2577.5	2595	2605			
15	QPSK	1	0	23.03	23.03	22.90	23.5	0	
15	QPSK	1	37	23.08	23.12	23.03			
15	QPSK	1	74	23.11	23.04	22.91			
15	QPSK	36	0	22.89	22.89	22.53	23	0.5	
15	QPSK	36	20	22.78	22.92	22.59			
15	QPSK	36	39	22.81	22.81	22.63			
15	QPSK	75	0	22.77	22.42	22.82	23	0.5	
15	16QAM	1	0	22.84	22.72	22.56			
15	16QAM	1	37	22.98	22.79	22.52			
15	16QAM	1	74	22.77	22.81	22.80	22	1.5	
15	16QAM	36	0	21.86	21.83	21.60			
15	16QAM	36	20	21.97	21.67	21.68			
15	16QAM	36	39	21.95	21.70	21.57	21	2.5	
15	16QAM	75	0	22.00	21.68	21.55			
15	64QAM	1	0	21.59	21.23	21.59			
15	64QAM	1	37	21.64	21.34	21.47	21	2.5	
15	64QAM	1	74	21.69	21.47	21.37			
15	64QAM	36	0	20.85	20.48	20.94			
15	64QAM	36	20	20.96	20.73	20.91	21	2.5	
15	64QAM	36	39	20.85	20.60	20.82			
15	64QAM	75	0	20.81	20.68	20.57			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.08	22.95	22.94	23.5	0	
10	QPSK	1	25	23.07	23.12	23.07			
10	QPSK	1	49	23.10	23.07	22.92			
10	QPSK	25	0	22.83	22.89	22.51	23	0.5	
10	QPSK	25	12	22.86	22.83	22.56			
10	QPSK	25	25	22.81	22.79	22.58			
10	QPSK	50	0	22.73	22.49	22.80	23	0.5	
10	16QAM	1	0	22.81	22.70	22.57			
10	16QAM	1	25	22.95	22.85	22.48			
10	16QAM	1	49	22.82	22.83	22.62	22	1.5	
10	16QAM	25	0	21.84	21.47	21.52			
10	16QAM	25	12	21.90	21.62	21.66			
10	16QAM	25	25	21.93	21.76	21.58	22	1.5	
10	16QAM	50	0	22.00	21.68	21.57			
10	64QAM	1	0	21.62	21.32	21.55			
10	64QAM	1	25	21.62	21.32	21.48	22	1.5	
10	64QAM	1	49	21.69	21.43	21.30			
10	64QAM	25	0	20.80	20.54	20.76			
10	64QAM	25	12	20.86	20.71	20.87	21	2.5	
10	64QAM	25	25	20.88	20.65	20.72			
10	64QAM	50	0	20.82	20.61	20.59			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.08	22.96	22.94	23.5	0	
5	QPSK	1	12	23.13	23.08	23.08			
5	QPSK	1	24	23.05	23.03	22.87			
5	QPSK	12	0	22.82	22.94	22.57	23	0.5	
5	QPSK	12	7	22.97	22.89	22.54			
5	QPSK	12	13	22.84	22.77	22.63			
5	QPSK	25	0	22.76	22.48	22.67	23	0.5	
5	16QAM	1	0	22.75	22.64	22.51			
5	16QAM	1	12	22.92	22.81	22.52			
5	16QAM	1	24	22.86	22.86	22.58	22	1.5	
5	16QAM	12	0	21.69	21.48	21.56			
5	16QAM	12	7	21.89	21.57	21.67			
5	16QAM	12	13	21.93	21.77	21.66	22	1.5	
5	16QAM	25	0	21.94	21.65	21.61			
5	64QAM	1	0	21.59	21.28	21.59			
5	64QAM	1	12	21.61	21.27	21.43	22	1.5	
5	64QAM	1	24	21.77	21.48	21.34			
5	64QAM	12	0	20.75	20.58	20.85			
5	64QAM	12	7	20.87	20.80	20.94	21	2.5	
5	64QAM	12	13	20.93	20.59	20.60			
5	64QAM	25	0	20.90	20.69	20.57			

Band 41 (2.6G Band)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2646		
20	QPSK	1	0	23.10	23.24	23.13	22.98	23.5	0
20	QPSK	1	49	23.24	23.30	23.39	23.19		
20	QPSK	1	99	22.96	23.16	23.08	22.99		
20	QPSK	50	0	22.87	22.78	22.96	22.65	23	0.5
20	QPSK	50	24	22.93	22.92	22.70	22.69		
20	QPSK	50	50	22.94	22.67	22.73	22.90		
20	QPSK	100	0	22.70	22.76	22.80	22.60	23	0.5
20	16QAM	1	0	22.86	22.91	22.76	22.68		
20	16QAM	1	49	22.95	22.80	22.92	22.57		
20	16QAM	1	99	22.60	22.64	22.51	22.53	22	1.5
20	16QAM	50	0	21.91	21.82	21.80	21.98		
20	16QAM	50	24	21.96	22.00	21.80	21.93		
20	16QAM	50	50	21.85	21.73	21.64	21.93	22	1.5
20	16QAM	100	0	21.85	21.84	21.60	21.48		
20	64QAM	1	0	21.39	21.45	21.34	21.71		
20	64QAM	1	49	21.69	21.68	21.52	21.59	22	1.5
20	64QAM	1	99	21.38	21.35	21.25	21.61		
20	64QAM	50	0	20.85	20.75	20.64	20.60		
20	64QAM	50	24	20.54	20.73	20.76	20.53	21	2.5
20	64QAM	50	50	20.75	20.64	20.58	20.43		
20	64QAM	100	0	20.82	20.79	20.66	20.63		
Channel				40115	40325	40535	41145		
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	23.22	23.22	23.05	23.07	23.5	0
15	QPSK	1	37	23.24	23.34	23.02	22.94		
15	QPSK	1	74	23.19	22.96	23.06	23.11		
15	QPSK	36	0	22.93	22.73	22.83	22.89	23	0.5
15	QPSK	36	20	22.98	22.85	22.74	22.82		
15	QPSK	36	39	22.98	23.00	22.70	22.98		
15	QPSK	75	0	22.94	22.88	22.97	22.93	23	0.5
15	16QAM	1	0	22.62	22.57	22.61	22.45		
15	16QAM	1	37	22.48	22.72	22.59	22.37		
15	16QAM	1	74	22.50	22.28	22.47	22.34	22	1.5
15	16QAM	36	0	21.96	21.84	21.97	21.85		
15	16QAM	36	20	21.98	21.94	21.96	21.95		
15	16QAM	36	39	21.99	21.92	21.71	22.00	21	2.5
15	16QAM	75	0	21.91	21.85	21.69	21.95		
15	64QAM	1	0	21.57	21.51	21.56	21.86		
15	64QAM	1	37	21.74	21.56	21.54	21.72	22	1.5
15	64QAM	1	74	21.75	21.61	21.84	21.77		
15	64QAM	36	0	20.84	20.89	20.89	20.80		
15	64QAM	36	20	21.00	20.78	20.93	20.80	21	2.5
15	64QAM	36	39	20.93	20.97	20.89	20.78		
15	64QAM	75	0	20.91	20.88	20.92	20.65		
Channel				40090	40390	40690	41190		
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	23.23	23.34	23.14	22.85	23.5	0
10	QPSK	1	25	23.21	22.98	23.05	22.87		
10	QPSK	1	49	23.19	23.26	22.97	22.98		
10	QPSK	25	0	22.95	22.93	22.74	22.89	23	0.5



**Reduced Power Mode for Hotspot On**

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	170	180	235		170	180	231	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	30.23	30.26	30.23	<b>31.00</b>	21.23	21.26	21.23	22.00
GPRS 1 Tx slot	30.21	30.24	30.21	<b>31.00</b>	21.21	21.24	21.21	22.00
GPRS 2 Tx slots	28.17	28.16	28.21	<b>28.00</b>	22.17	22.19	22.21	28.00
GPRS 3 Tx slots	28.16	28.18	28.17	<b>28.00</b>	21.90	21.92	21.91	23.74
GPRS 4 Tx slots	23.86	23.83	23.75	<b>25.50</b>	20.66	20.83	20.75	22.50
EDGE 1 Tx slot	23.64	23.69	23.67	<b>23.30</b>	14.64	14.69	14.67	16.50
EDGE 2 Tx slots	21.56	21.57	21.55	<b>23.00</b>	15.56	15.57	15.55	17.00
EDGE 3 Tx slots	19.56	19.64	19.63	<b>21.00</b>	15.30	15.38	15.37	16.74
EDGE 4 Tx slots	17.43	17.48	17.46	<b>19.00</b>	14.43	14.48	14.46	16.00

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1930	1909.8	1850.2	1930	1909.8		
GSM 1 Tx slot	25.06	25.13	25.11	<b>25.50</b>	18.06	18.13	18.11	16.50
GPRS 1 Tx slot	25.04	25.11	25.09	<b>25.50</b>	18.04	18.11	18.09	16.50
GPRS 2 Tx slots	24.25	24.31	24.21	<b>25.00</b>	18.25	18.31	18.21	19.00
GPRS 3 Tx slots	21.83	21.71	21.88	<b>23.00</b>	17.37	17.45	17.42	16.74
GPRS 4 Tx slots	19.27	19.29	19.27	<b>20.50</b>	18.27	18.29	18.27	17.50
EDGE 1 Tx slot	21.05	21.33	21.26	<b>22.50</b>	12.05	12.33	12.26	13.50
EDGE 2 Tx slots	19.97	19.93	19.91	<b>21.50</b>	13.97	13.93	13.91	15.50
EDGE 3 Tx slots	17.31	17.48	17.48	<b>19.00</b>	13.05	13.22	13.22	14.74
EDGE 4 Tx slots	15.11	15.38	15.33	<b>16.50</b>	12.11	12.38	12.33	13.50

Band TX Channel Rx Channel	WCDMA II			Tune-up Limit (dBm)
	9062	9600	9538	
Frequency (MHz)	1852.4	1880	1907.8	
3GPP Rel 99 AMR 12.2kpps	17.01	17.07	17.06	<b>17.50</b>
3GPP Rel 99 RMC 12.2kpps	16.98	17.06	17.06	<b>17.50</b>
3GPP Rel 6 HSDPA Subtest-1	15.88	15.95	15.86	<b>16.50</b>
3GPP Rel 6 HSDPA Subtest-2	15.92	15.97	15.89	<b>16.50</b>
3GPP Rel 6 HSDPA Subtest-3	15.34	15.45	15.39	<b>16.00</b>
3GPP Rel 6 HSDPA Subtest-4	15.29	15.46	15.30	<b>16.00</b>
3GPP Rel 8 DC-HSDPA Subtest-1	15.85	16.00	16.07	<b>16.50</b>
3GPP Rel 8 DC-HSDPA Subtest-2	15.88	16.06	16.15	<b>16.50</b>
3GPP Rel 8 DC-HSDPA Subtest-3	15.40	15.53	15.76	<b>16.00</b>
3GPP Rel 8 DC-HSDPA Subtest-4	15.34	15.47	15.58	<b>16.00</b>
3GPP Rel 6 HSUPA Subtest-1	15.93	15.93	15.89	<b>16.50</b>
3GPP Rel 6 HSUPA Subtest-2	13.93	13.91	13.87	<b>14.50</b>
3GPP Rel 6 HSUPA Subtest-3	13.80	13.96	13.95	<b>14.50</b>
3GPP Rel 6 HSUPA Subtest-4	13.87	13.93	13.89	<b>14.50</b>
3GPP Rel 6 HSUPA Subtest-5	15.95	15.95	15.91	<b>16.50</b>



Band 2 (1900MHz Band) Part 24E									
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				1670	1690	1910			
Frequency (MHz)				1670	1690	1910			
20	QPSK	1	0	17.56	17.63	17.65			
20	QPSK	1	49	17.52	17.60	17.54	18	0	
20	QPSK	1	99	17.51	17.61	17.53			
20	QPSK	50	0	17.52	17.59	17.55			
20	QPSK	50	24	17.51	17.57	17.51	18	0	
20	QPSK	50	50	17.52	17.60	17.50			
20	QPSK	100	0	17.54	17.51	17.58			
20	16QAM	1	0	17.52	17.58	17.53			
20	16QAM	1	49	17.50	17.57	17.55	18	0	
20	16QAM	1	99	17.53	17.60	17.54			
20	16QAM	50	0	17.53	17.59	17.54			
20	16QAM	50	24	17.52	17.59	17.54	18	0	
20	16QAM	50	50	17.51	17.60	17.53			
20	16QAM	100	0	17.53	17.60	17.52			
20	64QAM	1	0	17.50	17.58	17.53			
20	64QAM	1	49	17.53	17.59	17.55	18	0	
20	64QAM	1	99	17.52	17.58	17.53			
20	64QAM	50	0	17.51	17.61	17.52	18	0	
20	64QAM	50	24	17.53	17.60	17.56			
20	64QAM	50	50	17.53	17.58	17.55			
20	64QAM	100	0	17.52	17.59	17.53			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18675	18900	19125			
15	QPSK	1	0	17.27	17.35	17.27			
15	QPSK	1	37	17.28	17.34	17.28	18	0	
15	QPSK	1	74	17.25	17.33	17.28			
15	QPSK	36	0	17.28	17.33	17.30			
15	QPSK	36	20	17.29	17.33	17.27	18	0	
15	QPSK	36	39	17.28	17.34	17.29			
15	QPSK	75	0	17.29	17.35	17.31			
15	16QAM	1	0	17.29	17.33	17.28	18	0	
15	16QAM	1	37	17.28	17.34	17.31			
15	16QAM	1	74	17.29	17.34	17.31			
15	16QAM	36	0	17.26	17.34	17.29			
15	16QAM	36	20	17.27	17.33	17.31	18	0	
15	16QAM	36	39	17.27	17.35	17.28			
15	16QAM	75	0	17.28	17.36	17.27			
15	64QAM	1	0	17.27	17.33	17.28	18	0	
15	64QAM	1	37	17.28	17.33	17.28			
15	64QAM	1	74	17.26	17.33	17.29			
15	64QAM	36	0	17.27	17.34	17.30			
15	64QAM	36	20	17.25	17.35	17.28	18	0	
15	64QAM	36	39	17.28	17.35	17.27			
15	64QAM	75	0	17.25	17.34	17.30			
Channel				18550	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18550	18900	19150			
10	QPSK	1	0	17.26	17.35	17.29			
10	QPSK	1	25	17.27	17.33	17.31	18	0	
10	QPSK	1	49	17.26	17.35	17.27			
10	QPSK	25	0	17.25	17.35	17.30			
10	QPSK	25	12	17.25	17.33	17.28	18	0	
10	QPSK	25	25	17.28	17.35	17.30			
10	QPSK	50	0	17.29	17.33	17.31			
10	16QAM	1	0	17.28	17.33	17.31	18	0	
10	16QAM	1	25	17.26	17.33	17.31			
10	16QAM	1	49	17.25	17.34	17.30			
10	16QAM	25	0	17.28	17.35	17.28	18	0	
10	16QAM	25	12	17.27	17.34	17.30			
10	16QAM	25	25	17.27	17.36	17.28			
10	16QAM	50	0	17.26	17.34	17.28			
10	64QAM	1	0	17.27	17.34	17.29	18	0	
10	64QAM	1	25	17.27	17.33	17.29			
10	64QAM	1	49	17.27	17.33	17.28			
10	64QAM	25	0	17.26	17.34	17.28	18	0	
10	64QAM	25	12	17.27	17.36	17.28			
10	64QAM	25	25	17.26	17.33	17.30			
10	64QAM	50	0	17.26	17.33	17.28			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18625	18900	19175			
5	QPSK	1	0	17.27	17.33	17.29			
5	QPSK	1	12	17.27	17.36	17.30	18	0	
5	QPSK	1	24	17.29	17.36	17.28			
5	QPSK	12	0	17.26	17.33	17.30			
5	QPSK	12	7	17.26	17.36	17.29	18	0	
5	QPSK	12	13	17.29	17.33	17.28			
5	QPSK	25	0	17.27	17.35	17.29			
5	16QAM	1	0	17.27	17.32	17.28	18	0	
5	16QAM	1	12	17.28	17.34	17.30			
5	16QAM	1	24	17.27	17.32	17.28			
5	16QAM	12	0	17.29	17.35	17.28	18	0	
5	16QAM	12	7	17.27	17.35	17.31			
5	16QAM	12	13	17.26	17.35	17.31			
5	16QAM	25	0	17.28	17.34	17.28	18	0	
5	64QAM	1	0	17.27	17.34	17.27			
5	64QAM	1	12	17.28	17.33	17.29	18	0	
5	64QAM	1	24	17.29	17.33	17.30			
5	64QAM	12	0	17.29	17.35	17.28	18	0	
5	64QAM	12	7	17.25	17.36	17.30			
5	64QAM	12	13	17.28	17.35	17.29			
5	64QAM	25	0	17.29	17.35	17.28			
Channel				18815	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18815	18900	19185			
3	QPSK	1	0	17.26	17.33	17.27			
3	QPSK	1	8	17.26	17.35	17.29	18	0	
3	QPSK	1	14	17.28	17.34	17.28			
3	QPSK	8	0	17.28	17.33	17.28	18	0	
3	QPSK	8	4	17.29	17.35	17.28			
3	QPSK	8	7	17.28	17.34	17.28			
3	QPSK	15	0	17.27	17.35	17.30			
3	16QAM	1	0	17.27	17.33	17.31	18	0	
3	16QAM	1	8	17.28	17.33	17.28			
3	16QAM	1	14	17.29	17.36	17.30			
3	16QAM	8	0	17.25	17.35	17.28	18	0	
3	16QAM	8	4	17.28	17.32	17.30			
3	16QAM	8	7	17.27	17.35	17.31			
3	16QAM	15	0	17.28	17.33	17.28			
3	64QAM	1	0	17.27	17.33	17.30	18	0	
3	64QAM	1	8	17.27	17.33	17.30			
3	64QAM	1	14	17.28	17.33	17.28			
3	64QAM	8	0	17.27	17.36	17.30	18	0	
3	64QAM	8	4	17.28	17.36	17.30			
3	64QAM	8	7	17.25	17.35	17.28			
3	64QAM	15	0	17.25	17.34	17.30			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				18607	18900	19193			
1.4	QPSK	1	0	17.27	17.34	17.29			
1.4	QPSK	1	3	17.25	17.33	17.30	18	0	
1.4	QPSK	1	5	17.27	17.32	17.30			
1.4	QPSK	3	0	17.28	17.32	17.27			
1.4	QPSK	3	1	17.27	17.35	17.28	18	0	
1.4	QPSK	3	3	17.29	17.35	17.28			
1.4	QPSK	6	0	17.28	17.34	17.29			
1.4	16QAM	1	0	17.28	17.33	17.27	18	0	
1.4	16QAM	1	5	17.29	17.35	17.30			
1.4	16QAM	1	5	17.29	17.32	17.29	18	0	
1.4	16QAM	3	0	17.28	17.34	17.29			
1.4	16QAM	3	1	17.26	17.33	17.28			
1.4	16QAM	3	3	17.28	17.35	17.30	18	0	
1.4	16QAM	6	0	17.27	17.35	17.28			
1.4	64QAM	1	0	17.28	17.33	17.28	18	0	
1.4	64QAM	1	3	17.28	17.32	17.28			
1.4	64QAM	1	5	17.28	17.32	17.30	18	0	
1.4	64QAM	3	0	17.27	17.33	17.31			
1.4	64QAM	3	1	17.29	17.34	17.28			
1.4	64QAM	3	3	17.25	17.33	17.30	18	0	
1.4	64QAM	6	0	17.27	17.36	17.28			

Band 7 (2600MHz Band) Part 27									
BW (MHz)	Modulation	RB Size	RB Offset						



Band 38(only on channel required)									
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	22.95	22.86	22.84	23.5	0	
20	QPSK	1	49	23.15	22.97	22.94			
20	QPSK	1	99	23.11	22.90	22.78			
20	QPSK	50	0	22.72	22.81	22.41	23	0.5	
20	QPSK	50	24	22.88	22.75	22.43			
20	QPSK	50	50	22.72	22.65	22.46			
20	QPSK	100	0	22.63	22.32	22.53	23	0.5	
20	16QAM	1	0	22.68	22.55	22.43			
20	16QAM	1	49	22.82	22.69	22.37			
20	16QAM	50	0	21.53	21.35	21.44	22	1.5	
20	16QAM	50	24	21.80	21.50	21.51			
20	16QAM	50	50	21.82	21.64	21.50			
20	16QAM	100	0	21.84	21.51	21.46	22	1.5	
20	64QAM	1	0	21.46	21.16	21.42			
20	64QAM	1	49	21.54	21.19	21.35			
20	64QAM	1	99	21.61	21.31	21.20	21	2.5	
20	64QAM	50	0	20.67	20.46	20.88			
20	64QAM	50	24	20.80	20.64	20.82			
20	64QAM	50	50	20.77	20.50	20.47	21	2.5	
20	64QAM	100	0	20.74	20.53	20.43			
Channel				37825	38000	38200			
Frequency (MHz)				2577.5	2595	2605			
15	QPSK	1	0	23.03	23.03	22.90	23.5	0	
15	QPSK	1	37	23.08	23.12	23.03			
15	QPSK	1	74	23.11	23.04	22.91			
15	QPSK	36	0	22.89	22.89	22.53	23	0.5	
15	QPSK	36	20	22.78	22.92	22.59			
15	QPSK	36	39	22.81	22.81	22.63			
15	QPSK	75	0	22.77	22.42	22.82	23	0.5	
15	16QAM	1	0	22.84	22.72	22.56			
15	16QAM	1	37	22.98	22.79	22.52			
15	16QAM	1	74	22.77	22.81	22.80	22	1.5	
15	16QAM	36	0	21.86	21.83	21.60			
15	16QAM	36	20	21.97	21.67	21.68			
15	16QAM	36	39	21.95	21.70	21.57	21	2.5	
15	16QAM	75	0	22.00	21.68	21.55			
15	64QAM	1	0	21.59	21.23	21.59			
15	64QAM	1	37	21.64	21.34	21.47	21	2.5	
15	64QAM	1	74	21.69	21.47	21.37			
15	64QAM	36	0	20.85	20.48	20.94			
15	64QAM	36	20	20.96	20.73	20.91	21	2.5	
15	64QAM	36	39	20.85	20.60	20.82			
15	64QAM	75	0	20.81	20.68	20.57			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.08	22.95	22.94	23.5	0	
10	QPSK	1	25	23.07	23.12	23.07			
10	QPSK	1	49	23.10	23.07	22.92			
10	QPSK	25	0	22.83	22.89	22.51	23	0.5	
10	QPSK	25	12	22.86	22.83	22.56			
10	QPSK	25	25	22.81	22.79	22.58			
10	QPSK	50	0	22.73	22.49	22.80	23	0.5	
10	16QAM	1	0	22.81	22.70	22.57			
10	16QAM	1	25	22.95	22.85	22.48			
10	16QAM	1	49	22.82	22.83	22.62	22	1.5	
10	16QAM	25	0	21.84	21.47	21.52			
10	16QAM	25	12	21.90	21.62	21.66			
10	16QAM	25	25	21.93	21.76	21.58	22	1.5	
10	16QAM	50	0	22.00	21.68	21.57			
10	64QAM	1	0	21.62	21.32	21.55			
10	64QAM	1	25	21.62	21.32	21.48	22	1.5	
10	64QAM	1	49	21.69	21.43	21.30			
10	64QAM	25	0	20.80	20.54	20.76			
10	64QAM	25	12	20.86	20.71	20.87	21	2.5	
10	64QAM	25	25	20.88	20.65	20.72			
10	64QAM	50	0	20.82	20.61	20.59			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.08	22.96	22.94	23.5	0	
5	QPSK	1	12	23.13	23.08	23.08			
5	QPSK	1	24	23.05	23.03	22.87			
5	QPSK	12	0	22.82	22.94	22.57	23	0.5	
5	QPSK	12	7	22.97	22.89	22.54			
5	QPSK	12	13	22.84	22.77	22.63			
5	QPSK	25	0	22.76	22.48	22.67	23	0.5	
5	16QAM	1	0	22.75	22.64	22.51			
5	16QAM	1	12	22.92	22.81	22.52			
5	16QAM	1	24	22.86	22.86	22.58	22	1.5	
5	16QAM	12	0	21.69	21.48	21.56			
5	16QAM	12	7	21.89	21.57	21.67			
5	16QAM	12	13	21.93	21.77	21.66	22	1.5	
5	16QAM	25	0	21.94	21.65	21.61			
5	64QAM	1	0	21.59	21.28	21.59			
5	64QAM	1	12	21.61	21.27	21.43	22	1.5	
5	64QAM	1	24	21.77	21.48	21.34			
5	64QAM	12	0	20.75	20.58	20.85			
5	64QAM	12	7	20.87	20.80	20.94	21	2.5	
5	64QAM	12	13	20.93	20.59	20.60			
5	64QAM	25	0	20.90	20.69	20.57			

Band 41 (2.6G Band)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2646		
20	QPSK	1	0	23.10	23.24	23.13	22.98	23.5	0
20	QPSK	1	49	23.24	23.30	23.39	23.19		
20	QPSK	1	99	22.96	23.16	23.08	22.99		
20	QPSK	50	0	22.87	22.78	22.96	22.65	23	0.5
20	QPSK	50	24	22.93	22.92	22.70	22.69		
20	QPSK	50	50	22.94	22.67	22.73	22.90		
20	QPSK	100	0	22.70	22.76	22.80	22.60	23	0.5
20	16QAM	1	0	22.86	22.91	22.76	22.68		
20	16QAM	1	49	22.95	22.80	22.92	22.57		
20	16QAM	1	99	22.60	22.64	22.51	22.53	22	1.5
20	16QAM	50	0	21.91	21.82	21.80	21.98		
20	16QAM	50	24	21.96	22.00	21.80	21.93		
20	16QAM	50	50	21.85	21.73	21.64	21.93	22	1.5
20	16QAM	100	0	21.85	21.84	21.60	21.48		
20	64QAM	1	0	21.39	21.45	21.34	21.71		
20	64QAM	1	49	21.69	21.68	21.52	21.59	22	1.5
20	64QAM	1	99	21.38	21.35	21.25	21.61		
20	64QAM	50	0	20.85	20.75	20.64	20.60		
20	64QAM	50	24	20.54	20.73	20.76	20.53	21	2.5
20	64QAM	50	50	20.75	20.64	20.58	20.43		
20	64QAM	100	0	20.82	20.79	20.66	20.63		
Channel				40115	40325	40535	41145		
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	23.22	23.22	23.05	23.07	23.5	0
15	QPSK	1	37	23.24	23.34	23.02	22.94		
15	QPSK	1	74	23.19	22.96	23.06	23.11		
15	QPSK	36	0	22.93	22.73	22.83	22.89	23	0.5
15	QPSK	36	20	22.98	22.85	22.74	22.82		
15	QPSK	36	39	22.98	23.00	22.70	22.98		
15	QPSK	75	0	22.94	22.88	22.97	22.93	23	0.5
15	16QAM	1	0	22.62	22.57	22.61	22.45		
15	16QAM	1	37	22.48	22.72	22.59	22.37		
15	16QAM	1	74	22.50	22.28	22.47	22.34	22	1.5
15	16QAM	36	0	21.96	21.84	21.97	21.85		
15	16QAM	36	20	21.98	21.94	21.96	21.95		
15	16QAM	36	39	21.99	21.92	21.71	22.00	21	2.5
15	16QAM	75	0	21.91	21.85	21.69	21.95		
15	64QAM	1	0	21.57	21.51	21.56	21.86		
15	64QAM	1	37	21.74	21.56	21.54	21.72	22	1.5
15	64QAM	1	74	21.75	21.61	21.84	21.77		
15	64QAM	36	0	20.84	20.89	20.89	20.80		
15	64QAM	36	20	21.00	20.78	20.93	20.80	21	2.5
15	64QAM	36	39	20.93	20.97	20.89	20.78		
15	64QAM	75	0	20.91	20.88	20.92	20.65		
Channel				40090	40390	40690	41190		
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	23.23	23.34	23.14	22.85	23.5	0
10	QPSK	1	25	23.21	22.98	23.05	22.87		
10	QPSK	1	49	23.19	23.26	22.97	22.98		
10	QPSK	25	0	22.95	22.93	22.74	22.89	23	0.5



**Reduced Power Mode for Handheld On**

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	561	610		512	561	610	
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8		
GSM 1 Tx slot	28.67	28.69	28.68	<b>29.00</b>	19.67	19.69	19.68	20.00
GPRS 1 Tx slot	28.65	28.67	28.66	<b>29.00</b>	19.65	19.67	19.66	20.00
GPRS 2 Tx slots	27.73	<b>27.86</b>	27.78	<b>28.50</b>	21.73	21.69	21.78	22.50
GPRS 3 Tx slots	24.93	24.95	24.92	<b>26.50</b>	20.67	20.69	20.66	22.24
GPRS 4 Tx slots	22.85	22.86	22.86	<b>24.00</b>	19.65	19.66	19.66	21.00
EDGE 1 Tx slot	24.51	24.59	24.57	<b>26.00</b>	15.51	15.59	15.57	17.00
EDGE 2 Tx slots	23.11	23.15	23.13	<b>25.00</b>	17.11	17.15	17.13	19.00
EDGE 3 Tx slots	20.79	20.83	20.77	<b>22.50</b>	16.53	16.57	16.51	18.24
EDGE 4 Tx slots	18.56	18.57	18.53	<b>20.00</b>	15.56	15.57	15.53	17.00

Band TX Channel	WCDMA II			Tune-up Limit (dBm)
	962	9600	9638	
Rx Channel	962	9600	9638	
Frequency (MHz)	1852.4	1880	1907.6	
3GPP Rel 99 AMR 12.2kbps	20.80	20.91	20.95	<b>21.50</b>
3GPP Rel 99 RMC 12.2kbps	20.69	21.07	21.05	<b>21.50</b>
3GPP Rel 6 HSDPA Subtest-1	19.86	19.94	19.85	<b>20.50</b>
3GPP Rel 6 HSDPA Subtest-2	19.84	19.90	19.88	<b>20.50</b>
3GPP Rel 6 HSDPA Subtest-3	19.28	19.42	19.33	<b>20.00</b>
3GPP Rel 6 HSDPA Subtest-4	19.24	19.40	19.28	<b>20.00</b>
3GPP Rel 8 DC-HSDPA Subtest-1	19.81	19.92	19.96	<b>20.50</b>
3GPP Rel 8 DC-HSDPA Subtest-2	19.79	20.03	20.06	<b>20.50</b>
3GPP Rel 8 DC-HSDPA Subtest-3	19.33	19.49	19.69	<b>20.00</b>
3GPP Rel 8 DC-HSDPA Subtest-4	19.29	19.41	19.49	<b>20.00</b>
3GPP Rel 6 HSUPA Subtest-1	19.91	19.85	19.81	<b>20.50</b>
3GPP Rel 6 HSUPA Subtest-2	17.66	17.80	17.85	<b>18.50</b>
3GPP Rel 6 HSUPA Subtest-3	17.82	17.93	17.93	<b>18.50</b>
3GPP Rel 6 HSUPA Subtest-4	17.84	17.89	17.85	<b>18.50</b>
3GPP Rel 6 HSUPA Subtest-5	19.91	19.93	19.82	<b>20.50</b>



Band 2 (1900MHz Band) Part 24E									
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				1670	1680	1910			
Frequency (MHz)				1690	1800	1900			
20	QPSK	1	0	21.66	21.61	21.67			
20	QPSK	1	49	21.33	21.26	21.26	22	0	
20	QPSK	1	99	21.52	21.27	21.46			
20	QPSK	50	0	21.44	21.53	21.55			
20	QPSK	50	24	21.44	21.56	21.61	22	0	
20	QPSK	50	50	20.93	20.95	21.07			
20	QPSK	100	0	20.86	21.09	21.17			
20	16QAM	1	0	21.24	21.39	21.45			
20	16QAM	1	49	21.08	21.19	21.11	22	0	
20	16QAM	1	99	21.25	21.34	21.29			
20	16QAM	50	0	20.90	20.97	21.04			
20	16QAM	50	24	20.83	20.95	21.07			
20	16QAM	50	50	20.92	21.00	21.03	22	0	
20	16QAM	100	0	20.90	21.08	21.02			
20	64QAM	1	0	21.19	21.30	21.43			
20	64QAM	1	49	21.02	21.13	21.04	22	0	
20	64QAM	1	99	21.22	21.24	21.27			
20	64QAM	50	0	20.04	20.10	20.17			
20	64QAM	50	24	20.12	20.14	20.26			
20	64QAM	50	50	20.06	20.23	20.19	21	1	
20	64QAM	100	0	20.15	20.21	20.18			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1875.5	1880	1902.5			
15	QPSK	1	0	21.17	21.26	21.24			
15	QPSK	1	37	21.16	21.29	21.26	22	0	
15	QPSK	1	74	21.33	21.33	21.40			
15	QPSK	36	0	21.46	21.49	21.58			
15	QPSK	36	20	21.41	21.53	21.60	22	0	
15	QPSK	36	39	21.38	21.48	21.53			
15	QPSK	75	0	20.91	21.10	21.17			
15	16QAM	1	0	21.24	21.42	21.47			
15	16QAM	1	37	21.08	21.15	21.11	22	0	
15	16QAM	1	74	21.26	21.34	21.22			
15	16QAM	36	0	20.84	20.94	21.06			
15	16QAM	36	20	20.86	21.02	21.07	22	0	
15	16QAM	36	39	20.93	21.05	21.01			
15	16QAM	75	0	20.88	21.06	21.07			
15	64QAM	1	0	21.19	21.27	21.43			
15	64QAM	1	37	21.03	21.16	21.09	22	0	
15	64QAM	1	74	21.21	21.24	21.33			
15	64QAM	36	0	20.07	20.13	20.24			
15	64QAM	36	20	20.13	20.15	20.29	21	1	
15	64QAM	36	39	20.09	20.22	20.22			
15	64QAM	75	0	20.11	20.19	20.16			
Channel				18550	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	21.23	21.27	21.27			
10	QPSK	1	25	21.18	21.27	21.21	22	0	
10	QPSK	1	49	21.31	21.30	21.42			
10	QPSK	25	0	21.42	21.48	21.52			
10	QPSK	25	12	21.42	21.61	21.57	22	0	
10	QPSK	25	25	21.31	21.49	21.54			
10	QPSK	50	0	20.93	21.12	21.18			
10	16QAM	1	0	21.20	21.37	21.47			
10	16QAM	1	25	21.05	21.22	21.12	22	0	
10	16QAM	1	49	21.29	21.29	21.28			
10	16QAM	25	0	20.89	20.94	21.01			
10	16QAM	25	12	20.87	20.97	21.06	22	0	
10	16QAM	25	25	20.91	21.04	20.99			
10	16QAM	50	0	20.89	21.05	21.02			
10	64QAM	1	0	21.15	21.33	21.42			
10	64QAM	1	25	20.99	21.15	21.03	22	0	
10	64QAM	1	49	21.23	21.26	21.33			
10	64QAM	25	0	20.08	20.15	20.24			
10	64QAM	25	12	20.08	20.16	20.25	21	1	
10	64QAM	25	25	20.09	20.25	20.19			
10	64QAM	50	0	20.13	20.16	20.22			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	21.22	21.33	21.24			
5	QPSK	1	12	21.16	21.24	21.24	22	0	
5	QPSK	1	24	21.29	21.32	21.45			
5	QPSK	12	0	21.39	21.48	21.53			
5	QPSK	12	7	21.44	21.60	21.58	22	0	
5	QPSK	12	13	21.35	21.51	21.22			
5	QPSK	25	0	20.87	21.15	21.20			
5	16QAM	1	0	21.25	21.39	21.46			
5	16QAM	1	12	21.09	21.22	21.16	22	0	
5	16QAM	1	24	21.25	21.35	21.28			
5	16QAM	12	0	20.83	20.90	21.03			
5	16QAM	12	7	20.88	20.96	21.10	22	0	
5	16QAM	12	13	20.94	21.05	21.04			
5	16QAM	25	0	20.96	21.02	21.08			
5	64QAM	1	0	21.21	21.29	21.40			
5	64QAM	1	12	21.01	21.13	21.08	22	0	
5	64QAM	1	24	21.24	21.25	21.28			
5	64QAM	12	0	20.06	20.13	20.23			
5	64QAM	12	7	20.14	20.13	20.23	21	1	
5	64QAM	12	13	20.09	20.22	20.16			
5	64QAM	25	0	20.09	20.19	20.19			
Channel				18815	18900	19165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1881.5	1880	1908.5			
3	QPSK	1	0	21.18	21.34	21.21			
3	QPSK	1	8	21.15	21.28	21.25	22	0	
3	QPSK	1	14	21.31	21.29	21.43			
3	QPSK	8	0	21.45	21.48	21.59			
3	QPSK	8	4	21.39	21.54	21.60	22	0	
3	QPSK	8	7	21.33	21.53	21.53			
3	QPSK	15	0	20.89	21.10	21.21			
3	16QAM	1	0	21.26	21.38	21.51			
3	16QAM	1	8	21.04	21.19	21.14	22	0	
3	16QAM	1	14	21.28	21.31	21.24			
3	16QAM	8	0	20.86	20.89	21.03			
3	16QAM	8	4	20.85	20.96	21.09	22	0	
3	16QAM	8	7	20.87	21.01	21.01			
3	16QAM	15	0	20.95	21.01	21.02			
3	64QAM	1	0	21.17	21.32	21.41			
3	64QAM	1	8	20.99	21.16	21.03	22	0	
3	64QAM	1	14	21.23	21.20	21.33			
3	64QAM	8	0	20.10	20.15	20.21			
3	64QAM	8	4	20.10	20.13	20.23	21	1	
3	64QAM	8	7	20.11	20.21	20.18			
3	64QAM	15	0	20.16	20.21	20.16			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	21.23	21.30	21.20			
1.4	QPSK	1	3	21.16	21.26	21.21	22	0	
1.4	QPSK	1	5	21.34	21.33	21.43			
1.4	QPSK	3	0	21.45	21.49	21.52			
1.4	QPSK	3	1	21.40	21.61	21.56			
1.4	QPSK	3	3	21.35	21.51	21.48	22	0	
1.4	QPSK	6	0	20.92	21.10	21.18			
1.4	16QAM	1	0	21.20	21.43	21.51			
1.4	16QAM	1	5	21.07	21.23	21.14	22	0	
1.4	16QAM	1	5	21.30	21.34	21.23			
1.4	16QAM	3	0	20.82	20.97	21.04			
1.4	16QAM	3	1	20.86	21.02	21.04			
1.4	16QAM	3	3	20.90	21.03	21.06	22	0	
1.4	16QAM	6	0	20.84	21.06	21.07			
1.4	64QAM	1	0	20.85	20.85	21.04			
1.4	64QAM	1	3	20.83	20.96	21.08	22	0	
1.4	64QAM	1	5	20.92	21.06	21.05			
1.4	64QAM	3	0	21.12	21.22	21.26			
1.4	64QAM	3	1	21.35	21.49	21.62			
1.4	64QAM	3	3	21.16	21.31	21.25	21	1	
1.4	64QAM	6	0	20.10	20.17	20.18			

Band 7 (2600MHz Band) Part 27									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch				



Band 38(only on channel required)									
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	22.95	22.86	22.84	23.5	0	
20	QPSK	1	49	23.15	22.97	22.94			
20	QPSK	1	99	23.11	22.90	22.78			
20	QPSK	50	0	22.72	22.81	22.41	23	0.5	
20	QPSK	50	24	22.88	22.75	22.43			
20	QPSK	50	50	22.72	22.65	22.46			
20	QPSK	100	0	22.63	22.32	22.53	23	0.5	
20	16QAM	1	0	22.68	22.55	22.43			
20	16QAM	1	49	22.82	22.69	22.37			
20	16QAM	50	0	21.53	21.35	21.44	22	1.5	
20	16QAM	50	24	21.80	21.50	21.51			
20	16QAM	50	50	21.82	21.64	21.50			
20	16QAM	100	0	21.84	21.51	21.46	22	1.5	
20	64QAM	1	0	21.46	21.16	21.42			
20	64QAM	1	49	21.54	21.19	21.35			
20	64QAM	1	99	21.61	21.31	21.20	21	2.5	
20	64QAM	50	0	20.67	20.46	20.88			
20	64QAM	50	24	20.80	20.64	20.82			
20	64QAM	50	50	20.77	20.50	20.47	21	2.5	
20	64QAM	100	0	20.74	20.53	20.43			
Channel				37825	38000	38200			
Frequency (MHz)				2577.5	2595	2605			
15	QPSK	1	0	23.03	23.03	22.90	23.5	0	
15	QPSK	1	37	23.08	23.12	23.03			
15	QPSK	1	74	23.11	23.04	22.91			
15	QPSK	36	0	22.89	22.89	22.53	23	0.5	
15	QPSK	36	20	22.78	22.92	22.59			
15	QPSK	36	39	22.81	22.81	22.63			
15	QPSK	75	0	22.77	22.42	22.82	23	0.5	
15	16QAM	1	0	22.84	22.72	22.56			
15	16QAM	1	37	22.98	22.79	22.52			
15	16QAM	1	74	22.77	22.81	22.80	22	1.5	
15	16QAM	36	0	21.86	21.83	21.60			
15	16QAM	36	20	21.97	21.67	21.68			
15	16QAM	36	39	21.95	21.70	21.57	21	2.5	
15	16QAM	75	0	22.00	21.68	21.55			
15	64QAM	1	0	21.59	21.23	21.59			
15	64QAM	1	37	21.64	21.34	21.47	21	2.5	
15	64QAM	1	74	21.69	21.47	21.37			
15	64QAM	36	0	20.85	20.48	20.94			
15	64QAM	36	20	20.96	20.73	20.91	21	2.5	
15	64QAM	36	39	20.85	20.60	20.82			
15	64QAM	75	0	20.81	20.68	20.57			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.08	22.95	22.94	23.5	0	
10	QPSK	1	25	23.07	23.12	23.07			
10	QPSK	1	49	23.10	23.07	22.92			
10	QPSK	25	0	22.83	22.89	22.51	23	0.5	
10	QPSK	25	12	22.86	22.83	22.56			
10	QPSK	25	25	22.81	22.79	22.58			
10	QPSK	50	0	22.73	22.49	22.80	23	0.5	
10	16QAM	1	0	22.81	22.70	22.57			
10	16QAM	1	25	22.95	22.85	22.48			
10	16QAM	1	49	22.82	22.83	22.62	22	1.5	
10	16QAM	25	0	21.84	21.47	21.52			
10	16QAM	25	12	21.90	21.62	21.66			
10	16QAM	25	25	21.93	21.76	21.58	22	1.5	
10	16QAM	50	0	22.00	21.68	21.57			
10	64QAM	1	0	21.62	21.32	21.55			
10	64QAM	1	25	21.62	21.32	21.48	22	1.5	
10	64QAM	1	49	21.69	21.43	21.30			
10	64QAM	25	0	20.80	20.54	20.76			
10	64QAM	25	12	20.86	20.71	20.87	21	2.5	
10	64QAM	25	25	20.88	20.65	20.72			
10	64QAM	50	0	20.82	20.61	20.59			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.08	22.96	22.94	23.5	0	
5	QPSK	1	12	23.13	23.08	23.08			
5	QPSK	1	24	23.05	23.03	22.87			
5	QPSK	12	0	22.82	22.94	22.57	23	0.5	
5	QPSK	12	7	22.97	22.89	22.54			
5	QPSK	12	13	22.84	22.77	22.63			
5	QPSK	25	0	22.76	22.48	22.67	23	0.5	
5	16QAM	1	0	22.75	22.64	22.51			
5	16QAM	1	12	22.92	22.81	22.52			
5	16QAM	1	24	22.86	22.86	22.58	22	1.5	
5	16QAM	12	0	21.69	21.48	21.56			
5	16QAM	12	7	21.89	21.57	21.67			
5	16QAM	12	13	21.93	21.77	21.66	22	1.5	
5	16QAM	25	0	21.94	21.65	21.61			
5	64QAM	1	0	21.59	21.28	21.59			
5	64QAM	1	12	21.61	21.27	21.43	22	1.5	
5	64QAM	1	24	21.77	21.48	21.34			
5	64QAM	12	0	20.75	20.58	20.85			
5	64QAM	12	7	20.87	20.80	20.94	21	2.5	
5	64QAM	12	13	20.93	20.59	20.60			
5	64QAM	25	0	20.90	20.69	20.87			

Band 41 (2.6G Band)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2646		
20	QPSK	1	0	23.10	23.24	23.13	22.98	23.5	0
20	QPSK	1	49	23.24	23.30	23.39	23.19		
20	QPSK	1	99	22.96	23.16	23.08	22.99		
20	QPSK	50	0	22.87	22.78	22.96	22.65	23	0.5
20	QPSK	50	24	22.93	22.92	22.70	22.69		
20	QPSK	50	50	22.94	22.67	22.73	22.90		
20	QPSK	100	0	22.70	22.76	22.80	22.60	23	0.5
20	16QAM	1	0	22.86	22.91	22.76	22.68		
20	16QAM	1	49	22.95	22.80	22.92	22.57		
20	16QAM	1	99	22.60	22.64	22.51	22.53	22	1.5
20	16QAM	50	0	21.91	21.82	21.80	21.98		
20	16QAM	50	24	21.96	22.00	21.80	21.93		
20	16QAM	50	50	21.85	21.73	21.64	21.93	22	1.5
20	16QAM	100	0	21.85	21.84	21.60	21.48		
20	64QAM	1	0	21.39	21.45	21.34	21.71		
20	64QAM	1	49	21.69	21.68	21.52	21.59	22	1.5
20	64QAM	1	99	21.38	21.35	21.25	21.61		
20	64QAM	50	0	20.85	20.75	20.64	20.60		
20	64QAM	50	24	20.54	20.73	20.76	20.53	21	2.5
20	64QAM	50	50	20.75	20.64	20.58	20.43		
20	64QAM	100	0	20.82	20.79	20.66	20.63		
Channel				40115	40325	40535	41145		
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	23.22	23.22	23.05	23.07	23.5	0
15	QPSK	1	37	23.24	23.34	23.02	22.94		
15	QPSK	1	74	23.19	22.96	23.06	23.11		
15	QPSK	36	0	22.93	22.73	22.83	22.89	23	0.5
15	QPSK	36	20	22.98	22.85	22.74	22.82		
15	QPSK	36	39	22.98	23.00	22.70	22.98		
15	QPSK	75	0	22.94	22.88	22.97	22.93	23	0.5
15	16QAM	1	0	22.62	22.57	22.61	22.45		
15	16QAM	1	37	22.48	22.72	22.59	22.37		
15	16QAM	1	74	22.50	22.28	22.47	22.34	22	1.5
15	16QAM	36	0	21.96	21.84	21.97	21.85		
15	16QAM	36	20	21.98	21.94	21.96	21.95		
15	16QAM	36	39	21.99	21.92	21.71	22.00	21	2.5
15	16QAM	75	0	21.91	21.85	21.69	21.95		
15	64QAM	1	0	21.57	21.51	21.56	21.86		
15	64QAM	1	37	21.74	21.56	21.54	21.72	22	1.5
15	64QAM	1	74	21.75	21.61	21.84	21.77		
15	64QAM	36	0	20.84	20.89	20.89	20.80		
15	64QAM	36	20	21.00	20.78	20.93	20.80	21	2.5
15	64QAM	36	39	20.93	20.97	20.89	20.78		
15	64QAM	75	0	20.91	20.88	20.92	20.65		
Channel				40090	40390	40690	41190		
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	23.23	23.34	23.14	22.85	23.5	0
10	QPSK	1	25	23.21	22.98	23.05	22.87		
10	QPSK	1	49	23.19	23.26	22.97	22.98		
10	QPSK	25	0	22.95	22.93	22.74	22.89	23	0.5



2.4GHz WLAN				Full Power & Body Worn & Hotspot & Handheld			At Head		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
802.11b 1Mbps	1	2412	17.10	18.00	17.10	18.00	98.83		
	6	2437	17.20	18.00	17.20	18.00			
	11	2462	17.10	18.00	17.10	18.00			
802.11g 6Mbps	1	2412	18.00	19.00	17.00	18.00	98.27		
	6	2437	18.10	19.00	17.10	18.00			
	11	2462	15.70	17.00	15.70	17.00			
802.11n-HT20 MCS0	1	2412	17.50	18.50	17.00	18.00	97.78		
	6	2437	17.80	18.50	17.10	18.00			
	11	2462	15.70	17.00	15.70	17.00			

5.2GHz WLAN				Full Power & At Head & Handheld			At Body worn/Hotspot		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
802.11a 6Mbps	36	5180	17.93	19.00	14.74	16.00	98.27		
	40	5200	17.83	19.00	15.15	16.00			
	44	5220	17.89	19.00	15.25	16.00			
	48	5240	17.90	19.00	15.30	16.00			
802.11n-HT20 MCS0	36	5180	16.80	18.00	14.56	16.00	98.15		
	40	5200	16.72	18.00	14.98	16.00			
	44	5220	16.99	18.00	15.98	16.00			
	48	5240	16.99	18.00	15.13	16.00			
802.11n-HT40 MCS0	38	5190	15.84	17.00	14.83	16.00	96.48		
	46	5230	15.88	17.00	15.38	16.00			
	36	5180	16.63	18.00	14.48	16.00			
	40	5200	16.58	18.00	14.88	16.00			
802.11ac-VHT20 MCS0	44	5220	16.70	18.00	14.98	16.00	98.15		
	48	5240	16.80	18.00	15.05	16.00			
	38	5190	15.70	17.00	14.75	16.00			
	46	5230	15.78	17.00	15.29	16.00			
802.11ac-VHT80 MCS0	42	5210	14.94	16.00	14.94	16.00	93.05		

5.3GHz WLAN				Full Power & At Head & Handheld			At Body worn		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
802.11a 6Mbps	52	5260	17.85	19.00	14.18	15.00	98.27		
	56	5280	17.78	19.00	14.29	15.00			
	60	5300	17.87	19.00	14.30	15.00			
	64	5320	17.90	19.00	14.23	15.00			
802.11n-HT20 MCS0	52	5260	16.91	18.00	13.99	15.00	98.15		
	56	5280	16.83	18.00	14.10	15.00			
	60	5300	16.93	18.00	14.14	15.00			
	64	5320	16.86	18.00	14.07	15.00			
802.11n-HT40 MCS0	54	5270	15.95	17.00	14.37	15.00	96.48		
	62	5310	15.98	17.00	14.49	15.00			
	52	5260	16.71	18.00	13.87	15.00			
	56	5280	16.74	18.00	13.98	15.00			
802.11ac-VHT20 MCS0	60	5300	16.79	18.00	14.00	15.00	98.15		
	64	5320	16.80	18.00	13.85	15.00			
	54	5270	15.80	17.00	14.17	15.00			
	62	5310	15.83	17.00	14.29	15.00			
802.11ac-VHT80 MCS0	58	5290	14.78	16.00	14.28	15.00	93.05		

5.5GHz WLAN				Full Power & At Head & Handheld			At Body worn		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
802.11a 6Mbps	100	5500	12.00	13.00	12.00	13.00	98.27		
	116	5580	17.84	19.00	15.23	16.00			
	124	5620	17.78	19.00	15.06	16.00			
	132	5660	17.68	19.00	14.96	16.00			
	140	5700	17.72	19.00	14.95	16.00			
	144	5720	17.73	19.00	15.18	16.00			
802.11n-HT20 MCS0	100	5500	16.83	18.00	14.55	16.00	98.15		
	116	5580	16.82	18.00	15.05	16.00			
	124	5620	16.76	18.00	14.90	16.00			
	132	5660	16.81	18.00	14.80	16.00			
	140	5700	16.96	18.00	14.78	16.00			
	144	5720	16.91	18.00	15.03	16.00			
802.11n-HT40 MCS0	102	5510	12.24	13.00	12.24	13.00	96.48		
	110	5550	15.88	17.00	15.88	16.00			
	128	5630	15.82	17.00	15.23	16.00			
	134	5670	15.99	17.00	15.18	16.00			
	142	5710	15.80	17.00	15.16	16.00			
	100	5500	16.71	18.00	14.35	16.00			
802.11ac-VHT20 MCS0	116	5580	16.64	18.00	14.87	16.00	98.15		
	124	5620	16.62	18.00	14.82	16.00			
	132	5660	16.73	18.00	14.68	16.00			
	140	5700	16.89	18.00	14.58	16.00			
	144	5720	16.85	18.00	14.88	16.00			
	102	5510	12.14	13.00	12.14	13.00			
802.11ac-VHT40 MCS0	110	5550	15.67	17.00	15.67	16.00	96.49		
	126	5630	15.68	17.00	15.04	16.00			
	134	5670	15.83	17.00	15.06	16.00			
	142	5710	15.73	17.00	15.02	16.00			
	108	5530	12.02	13.00	12.02	13.00			
	122	5610	16.11	17.00	15.10	16.00			
802.11ac-VHT80 MCS0	138	5690	15.99	17.00	14.78	16.00	93.05		

5.8GHz WLAN Full Power & At Head & Body Worn & Hotspot & Handheld						
Mode	Channel	Frequency (MHz)	Average power (dBm)			Duty Cycle %
			1Mbps	2Mbps	3Mbps	
802.11a 6Mbps	149	5745	12.58	13.50	13.50	98.27
	157	5785	12.67	13.50	13.50	
	165	5825	12.74	13.50	13.50	
802.11n-HT20 MCS0	149	5745	12.51	13.50	13.50	98.15
	157	5785	12.58	13.50	13.50	
	165	5825	12.62	13.50	13.50	
802.11n-HT40 MCS0	151	5795	12.46	13.50	13.50	96.48
	159	5795	12.42	13.50	13.50	
	149	5745	12.48	13.50	13.50	
802.11ac-VHT20 MCS0	157	5785	12.33	13.50	13.50	98.15
	165	5825	12.59	13.50	13.50	
	151	5795	12.41	13.50	13.50	
802.11ac-VHT40 MCS0	159	5795	12.39	13.50	13.50	96.49
	155	5775	12.21	13.50	13.50	
	155	5775	12.21	13.50	13.50	

**BT 2.0**

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.80	8.90	8.90
	CH 39	2441	11.00	9.10	9.00
	CH 78	2480	10.40	8.70	8.70
Tune-up Limit			12		

**BT 4.0&5.0**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.50
	CH 19	2440	6.80
	CH 39	2480	6.90
Tune-up Limit			8.00