



Full&Default Power Mode

GSM850								
TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8	33.50	23.62	23.76	23.81	24.50
GSM 1 Tx slot	32.62	32.76	32.81	33.50	23.62	23.76	23.81	24.50
GPRS 1 Tx slot	32.61	32.73	32.82	33.50	23.61	23.73	23.82	24.50
GPRS 2 Tx slot	31.38	31.39	31.40	31.50	25.38	25.39	25.40	25.50
GPRS 3 Tx slot	28.81	28.81	28.85	29.50	24.56	24.65	24.39	25.24
GPRS 4 Tx slot	27.13	27.05	27.02	27.50	24.13	24.05	24.02	24.50
EDGE 1 Tx slot	27.37	27.17	27.23	27.50	18.37	18.17	18.23	18.50
EDGE 2 Tx slot	25.40	25.11	25.22	25.50	19.40	19.11	19.22	19.50
EDGE 3 Tx slot	23.29	23.10	23.04	23.50	18.03	18.84	18.78	19.24
EDGE 4 Tx slot	21.23	21.10	21.03	21.50	18.23	18.10	18.03	18.50

GSM1900								
TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	812	861	910		812	861	910	
Frequency (MHz)	812.2	860	909.8	31.00	20.73	20.92	20.85	22.00
GSM 1 Tx slot	29.73	29.92	29.85	31.00	20.73	20.92	20.85	22.00
GPRS 1 Tx slot	29.71	29.90	29.83	31.00	20.71	20.90	20.83	22.00
GPRS 2 Tx slot	27.80	27.86	27.87	29.00	21.80	21.86	21.87	23.00
GPRS 3 Tx slot	25.48	25.53	25.51	27.00	21.22	21.27	21.25	22.74
GPRS 4 Tx slot	23.54	23.71	23.69	25.00	20.54	20.71	20.69	22.00
EDGE 1 Tx slot	23.51	23.60	23.53	25.50	18.51	18.60	18.53	17.50
EDGE 2 Tx slot	23.07	23.12	23.11	24.50	17.07	17.12	17.11	18.50
EDGE 3 Tx slot	21.29	21.35	21.32	22.50	17.03	17.09	17.06	18.24
EDGE 4 Tx slot	18.15	18.35	18.21	20.50	16.15	16.35	16.21	17.50

WCDMA												
TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9682	9600	9638		1312	1413	1513		4132	4182	4233	
Frequency (MHz)	9682.4	9600	9637.8	24.00	23.21	23.25	23.24	24.00	23.12	23.15	23.10	24.00
WCDMA Rel 99	23.30	23.33	23.30	24.00	23.21	23.25	23.24	24.00	23.12	23.15	23.10	24.00
WCDMA Rel 99 RMC 12.2Kbps	23.38	23.39	23.32	24.00	23.28	23.30	23.27	24.00	23.18	23.22	23.15	24.00
WCDMA Rel 6 HSDPA Subtest-1	22.31	22.69	22.58	23.50	22.64	22.87	22.68	23.50	21.78	21.90	21.73	23.50
WCDMA Rel 6 HSDPA Subtest-2	22.37	22.88	22.55	23.50	22.84	22.86	22.88	23.50	21.79	21.84	21.72	23.50
WCDMA Rel 6 HSDPA Subtest-3	21.84	22.16	22.05	23.50	22.14	22.15	22.17	23.50	21.83	21.82	21.50	23.50
WCDMA Rel 6 HSDPA Subtest-4	21.82	22.06	22.04	23.50	22.13	22.15	22.17	23.50	21.55	21.54	21.54	23.50
WCDMA Rel 6 DC-HSDPA Subtest-1	22.16	22.56	22.53	23.50	22.51	22.66	22.63	23.50	21.69	21.69	21.65	23.50
WCDMA Rel 6 DC-HSDPA Subtest-2	22.35	22.60	22.50	23.50	22.58	22.85	22.53	23.50	21.67	21.74	21.66	23.50
WCDMA Rel 6 DC-HSDPA Subtest-3	21.78	22.10	21.99	23.50	22.12	22.00	22.16	23.50	21.53	21.52	21.53	23.50
WCDMA Rel 6 DC-HSDPA Subtest-4	21.75	21.92	21.80	23.50	22.10	22.03	22.07	23.50	21.52	21.55	21.58	23.50
WCDMA Rel 6 HSUPA Subtest-1	21.87	22.30	21.98	23.00	22.07	22.52	22.15	23.00	21.58	21.83	21.38	22.50
WCDMA Rel 6 HSUPA Subtest-2	21.32	21.56	21.42	22.00	21.39	21.09	20.92	22.00	20.55	20.48	20.24	21.50
WCDMA Rel 6 HSUPA Subtest-3	21.01	21.16	21.22	23.00	21.06	21.29	21.01	23.00	20.63	20.58	20.66	21.50
WCDMA Rel 6 HSUPA Subtest-4	21.41	21.54	21.79	22.50	21.78	21.89	21.91	22.50	21.15	21.05	20.70	22.00
WCDMA Rel 6 HSUPA Subtest-5	22.40	22.50	22.60	23.00	22.30	22.60	22.20	23.00	21.70	21.50	21.70	22.50

LTE Band 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20450								
10	QPSK	1	0	23.94	23.76	24.13	25	0
10	QPSK	1	25	24.18	24.20	24.13		
10	QPSK	1	49	23.69	23.81	23.87	24	1
10	QPSK	25	0	22.57	22.95	22.83		
10	QPSK	25	12	22.89	22.95	22.88		
10	QPSK	25	25	22.88	22.98	22.80		
10	QPSK	50	0	22.81	22.93	22.89	24	1
10	16QAM	1	0	22.63	22.49	22.33		
10	16QAM	1	25	22.96	23.23	22.69		
10	16QAM	1	49	22.38	23.15	22.15		
10	16QAM	25	0	22.91	22.04	22.00		
10	16QAM	25	12	21.89	22.11	22.04		
10	16QAM	25	25	21.89	22.11	21.86		
10	16QAM	50	0	21.99	21.81	21.94	23	2
Channel								
Frequency (MHz)								
20475								
6	QPSK	1	0	23.73	23.71	24.08	25	0
6	QPSK	1	12	24.02	24.15	24.05		
6	QPSK	1	24	23.00	23.70	23.79	24	1
6	QPSK	12	0	22.79	22.86	22.68		
6	QPSK	12	7	22.78	22.84	22.80		
6	QPSK	12	13	22.74	22.77	22.67		
6	QPSK	25	0	22.66	22.84	22.85	24	1
6	16QAM	1	0	22.54	22.38	22.22		
6	16QAM	1	12	22.63	23.08	22.56		
6	16QAM	1	24	22.34	23.08	22.09		
6	16QAM	12	0	21.95	21.91	21.95		
6	16QAM	12	7	21.79	22.03	21.96		
6	16QAM	12	13	21.79	22.04	21.70		
6	16QAM	25	0	21.89	21.71	21.88	23	2
Channel								
Frequency (MHz)								
20500								
3	QPSK	1	0	23.76	23.60	24.01	25	0
3	QPSK	1	8	24.05	24.11	24.00		
3	QPSK	1	14	23.57	23.65	23.73	24	1
3	QPSK	8	0	22.71	22.74	22.69		
3	QPSK	8	4	22.74	22.88	22.77		
3	QPSK	8	7	22.72	22.77	22.76		
3	QPSK	15	0	22.74	22.77	22.76	24	1
3	16QAM	1	0	22.48	22.41	22.26		
3	16QAM	1	8	22.86	23.15	22.80		
3	16QAM	1	14	22.32	23.03	22.03		
3	16QAM	8	0	21.95	21.91	21.87		
3	16QAM	8	4	21.79	22.03	21.96		
3	16QAM	8	7	21.79	22.04	21.81		
3	16QAM	15	0	21.89	21.71	21.88	23	2
Channel								
Frequency (MHz)								
20527								
1.4	QPSK	1	0	23.70	23.46	23.96	25	0
1.4	QPSK	1	3	23.97	24.02	23.95		
1.4	QPSK	1	6	23.50	23.55	23.64	24	1
1.4	QPSK	3	0	23.46	23.57	23.88		
1.4	QPSK	3	1	23.50	23.58	23.60		
1.4	QPSK	3	3	23.41	23.55	23.64		
1.4	QPSK	6	0	23.06	23.10	22.90	24	1
1.4	16QAM	1	0	22.74	23.23	23.35		
1.4	16QAM	1	3	23.09	22.84	23.30		
1.4	16QAM	1	6	23.15	22.54	23.13		
1.4	16QAM	3	0	23.00	23.99	23.12		
1.4	16QAM	3	1	23.01	23.02	22.88		
1.4	16QAM	3	3	22.94	22.94	22.88		
1.4	16QAM	6	0	21.98	22.08	21.86	23	2

LTE Band 12

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)								
23080								
10	QPSK	1	0	23.71	23.90	23.83	25	0
10	QPSK	1	25	24.02	24.25	24.14		
10	QPSK	1	49	24.10	24.18	24.00	24	1
10	QPSK	25	0	22.53	22.22	23.09		
10	QPSK	25	12	23.10	23.25	23.14		
10	QPSK	25	25	23.14	23.28	23.05		
10	QPSK	50	0	23.12	23.20	23.07	24	1
10	16QAM	1	0	22.53	22.89	22.55		
10	16QAM	1	25	23.00	22.79	23.46		
10	16QAM	1	49	23.01	22.88	22.60		
10	16QAM	25	0	22.10	22.32	22.05		
10	16QAM	25	12	22.12	22.49	22.24		
10	16QAM	25	25	22.53	22.23	22.14		
10	16QAM	50	0	22.21	22.16	22.16	23	2
Channel								
Frequency (MHz)								
23090								
6	QPSK	1	0	23.64	23.78	23.68	25	0
6	QPSK	1	12	23.88	24.19	24.01		
6	QPSK	1	24	23.95	23.02	23.93	24	1
6	QPSK	12	0	22.86	23.07	22.84		
6	QPSK	12	7	23.02	23.17	23.08		
6	QPSK	12	13	23.03	23.10	22.90		
6	QPSK	25	0	22.97	23.07	22.97	24	1
6	16QAM	1	0	22.46	22.78	22.46		
6	16QAM	1	12	22.84	23.66	23.30		
6	16QAM	1	24	22.89	22.75	22.53		
6	16QAM	12	0	21.95	22.28	21.89		
6	16QAM	12	7	22.02	22.18	22.23		
6	16QAM	12	13	22.13	22.21	21.98		
6	16QAM	25	0	22.11	22.08	22.07	23	2
Channel								
Frequency (MHz)								
23095								
3	QPSK	1	0	23.58	23.75	23.73	25	0
3	QPSK	1	8	23.84	24.21	24.02		
3	QPSK	1	14	24.06	24.05	23.96	24	1
3	QPSK	8	0	22.95	23.19	22.96		
3	QPSK	8	4	22.97	23.18	23.04		
3	QPSK	8	7	23.03	23.14	22.95		
3	QPSK	15	0	23.03	23.05	22.96	24	1
3	16QAM	1	0	22.38	22.79	22.39		
3	16QAM	1	8	22.84	22.74	23.34		
3	16QAM	1	14	22.89	22.84	22.56		
3	16QAM	8	0	22.01	22.28	21.84		
3	16QAM	8	4	22.02	22.18	22.18		
3	16QAM	8	7	22.13	22.21	22.07		
3	16QAM	15	0	22.11	22.06	22.00	23	2
Channel								
Frequency (MHz)								
23117								
1.4	QPSK	1	0	23.45	23.59	23.68	25	0
1.4	QPSK	1	3	23.62	23.69	23.92		
1.4	QPSK	1	6	23.50	23.95	23.87	24	1
1.4	QPSK	3	0	24.01	24.01	23.88		
1.4	QPSK	3	1	23.59	24.00	23.85		
1.4	QPSK	3	3	23.51	24.00	23.82		
1.4	QPSK	6	0	23.10	23.45	23.39	24	1
1.4	16QAM	1	0	22.81	22.98	22.76		
1.4	16QAM	1	3	23.03	22.98	23.08		
1.4	16QAM	1	6	22.46	22.83	22.76		
1.4	16QAM	3	0	23.00	23.22	23.10		
1.4	16QAM	3	1	22.98	23.02	23.09		
1.4	16QAM	3	3	22.91	23.05	23.18		
1.4	16QAM	6	0	21.97	22.25	22.24	23	2



Power for Receive on

GSM850								
Tx Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8	33.50	23.62	23.76	23.81	24.50
GSM 1 Tx slot	32.62	32.76	32.81	33.50	23.62	23.76	23.81	24.50
GPRS 1 Tx slot	32.61	32.73	32.82	33.50	23.61	23.73	23.82	24.50
GPRS 2 Tx slot	31.38	31.39	31.40	31.50	25.38	25.39	25.40	25.50
GPRS 3 Tx slot	28.81	28.81	28.85	29.50	24.65	24.65	24.39	25.24
GPRS 4 Tx slot	27.13	27.05	27.02	27.50	24.13	24.05	24.02	24.50
EDGE 1 Tx slot	27.37	27.17	27.23	27.50	18.37	18.17	18.23	18.50
EDGE 2 Tx slot	25.40	25.11	25.22	25.50	19.40	19.11	19.22	19.50
EDGE 3 Tx slot	23.29	23.10	23.04	23.50	18.03	18.84	18.78	19.24
EDGE 4 Tx slot	21.23	21.10	21.03	21.50	18.23	18.10	18.03	18.50

GSM1900								
Tx Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	812	861	910		812	861	910	
Frequency (MHz)	812.2	860	909.8	31.00	20.73	20.92	20.85	22.00
GSM 1 Tx slot	29.73	29.92	29.85	31.00	20.73	20.92	20.85	22.00
GPRS 1 Tx slot	29.71	29.90	29.83	31.00	20.71	20.90	20.83	22.00
GPRS 2 Tx slot	27.80	27.86	27.87	29.00	21.80	21.86	21.87	23.00
GPRS 3 Tx slot	25.48	25.53	25.51	27.00	21.22	21.27	21.25	22.74
GPRS 4 Tx slot	23.54	23.71	23.69	25.00	20.54	20.71	20.69	22.00
EDGE 1 Tx slot	23.51	23.60	23.53	25.50	18.51	18.60	18.53	17.50
EDGE 2 Tx slot	23.07	23.12	23.11	24.50	17.07	17.12	17.11	18.50
EDGE 3 Tx slot	21.29	21.35	21.32	22.50	17.03	17.09	17.06	18.24
EDGE 4 Tx slot	18.15	18.35	18.21	20.50	16.15	16.35	16.21	17.50

WCDMA												
Tx Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9682	9600	9638		1312	1413	1513		4132	4182	4233	
Rx Channel	9682	9600	9638	1537	1638	1738	4367	4407	4458	4468		
Frequency (MHz)	1922.4	1900	1907.6	2321.4	2324	2324	24.00	23.12	23.15	23.10	24.00	
WCDMA Rel 99	23.30	23.33	23.30	24.00	23.21	23.25	23.24	24.00	23.12	23.15	23.10	24.00
WCDMA Rel 99 RMC 12.2Kbps	23.38	23.39	23.32	24.00	23.28	23.30	23.27	24.00	23.18	23.22	23.15	24.00
WCDMA Rel 6 HSDPA Subtest-1	22.31	22.69	22.58	23.50	22.64	22.87	22.68	23.50	21.78	21.90	21.73	23.50
WCDMA Rel 6 HSDPA Subtest-2	22.37	22.88	22.55	23.50	22.84	22.86	22.88	23.50	21.79	21.84	21.72	23.50
WCDMA Rel 6 HSDPA Subtest-3	21.84	22.16	22.05	23.50	22.14	22.15	22.17	23.50	21.83	21.82	21.50	23.50
WCDMA Rel 6 HSDPA Subtest-4	21.82	22.06	22.04	23.50	22.13	22.15	22.17	23.50	21.55	21.54	21.54	23.50
WCDMA Rel 6 DC-HSDPA Subtest-1	22.16	22.56	22.53	23.50	22.51	22.66	22.63	23.50	21.69	21.69	21.65	23.50
WCDMA Rel 6 DC-HSDPA Subtest-2	22.35	22.60	22.50	23.50	22.58	22.85	22.53	23.50	21.67	21.74	21.66	23.50
WCDMA Rel 6 DC-HSDPA Subtest-3	21.78	22.10	21.99	23.50	22.12	22.00	22.16	23.50	21.53	21.52	21.53	23.50
WCDMA Rel 6 DC-HSDPA Subtest-4	21.75	21.92	21.80	23.50	22.10	22.03	22.07	23.50	21.52	21.55	21.58	23.50
WCDMA Rel 6 HSPA Subtest-1	21.87	22.30	21.98	23.00	22.07	22.52	22.15	23.00	21.58	21.83	21.38	22.50
WCDMA Rel 6 HSPA Subtest-2	21.32	21.56	21.42	22.00	21.39	21.09	20.92	22.00	20.55	20.48	20.24	21.50
WCDMA Rel 6 HSPA Subtest-3	21.01	21.16	21.22	23.00	21.06	21.29	21.01	23.00	20.63	20.58	20.66	21.50
WCDMA Rel 6 HSPA Subtest-4	21.41	21.54	21.79	22.50	21.78	21.89	21.91	22.50	21.15	21.05	20.70	22.00
WCDMA Rel 6 HSPA Subtest-5	22.40	22.50	22.60	23.00	22.30	22.60	22.20	23.00	21.70	21.50	21.70	22.50

LTE Band 13										
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)							Tune-up limit (dBm)	MPR (dB)		
192										
10	QPSK	1	0		23.71		25	0		
10	QPSK	1	25		24.28					
10	QPSK	1	49		24.86					
10	QPSK	25	0		23.07					
10	QPSK	25	12		23.11					
10	QPSK	25	25		22.39					
10	QPSK	50	0		23.08					
10	16QAM	1	0		22.48					
10	16QAM	1	25		22.72					
10	16QAM	1	49		22.95					
10	16QAM	25	0		22.12					
10	16QAM	25	12		22.46					
10	16QAM	25	25		22.25					
10	16QAM	50	0		22.29					
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
2325										
5	QPSK	1	0		23.59	23.66	25	0		
5	QPSK	1	12		24.11	24.22				
5	QPSK	1	24		23.53	23.01				
5	QPSK	12	0		22.93	22.96				
5	QPSK	12	7		22.96	23.06				
5	QPSK	12	13		22.69	22.91				
5	QPSK	25	0		22.96	22.97				
5	16QAM	1	0		22.42	22.36				
5	16QAM	1	12		22.56	22.63				
5	16QAM	1	24		22.45	22.47				
5	16QAM	12	0		21.98	22.07				
5	16QAM	12	7		22.14	22.22				
5	16QAM	12	13		22.13	22.13				
5	16QAM	25	0		22.17	22.13				

LTE Band 66										
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)							Tune-up limit (dBm)	MPR (dB)		
1320										
20	QPSK	1	0		23.28	23.47	24.5	0		
20	QPSK	1	49		23.60	23.63				
20	QPSK	1	98		23.68	23.78				
20	QPSK	50	0		22.19	22.31				
20	QPSK	50	24		22.40	22.32				
20	QPSK	50	49		22.18	22.17				
20	QPSK	100	0		22.20	22.35				
20	16QAM	1	0		21.89	22.32				
20	16QAM	1	49		21.84	22.49				
20	16QAM	1	98		21.86	21.73				
20	16QAM	50	0		21.42	21.44				
20	16QAM	50	24		21.32	21.34				
20	16QAM	50	49		21.31	21.31				
20	16QAM	100	0		21.27	21.34				
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
13047										
15	QPSK	1	0		23.17	23.35	24.5	0		
15	QPSK	1	37		23.51	23.60				
15	QPSK	1	74		23.04	22.69				
15	QPSK	36	0		22.03	22.17				
15	QPSK	36	20		22.24	22.36				
15	QPSK	36	27		22.07	22.16				
15	QPSK	75	0		22.25	22.23				
15	16QAM	1	0		21.84	22.29				
15	16QAM	1	37		21.52	22.35				
15	16QAM	1	74		21.79	21.58				
15	16QAM	36	0		21.28	21.36				
15	16QAM	36	20		21.22	21.24				
15	16QAM	36	27		21.21	21.00				
15	16QAM	75	0		21.17	21.24				
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
13076										
10	QPSK	1	0		23.23	23.31	24.5	0		
10	QPSK	1	25		23.46	23.58				
10	QPSK	1	49		22.93	22.63				
10	QPSK	25	0		22.06	22.19				
10	QPSK	25	12		22.71	22.46				
10	QPSK	25	25		22.08	22.03				
10	QPSK	50	0		22.17	22.20				
10	16QAM	1	0		21.74	22.19				
10	16QAM	1	25		21.60	22.42				
10	16QAM	1	49		21.81	21.57				
10	16QAM	25	0		21.38	21.34				
10	16QAM	25	12		21.52	21.24				
10	16QAM	25	25		21.21	21.00				
10	16QAM	50	0		21.17	21.24				
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
13124										
5	QPSK	1	0		23.14	23.40	24.5	0		
5	QPSK	1	12		23.02	23.60				
5	QPSK	1	24		22.94	22.70				
5	QPSK	12	0		22.03	22.21				
5	QPSK	12	7		22.29	22.43				
5	QPSK	12	13		22.04	22.13				
5	QPSK	25	0		22.26	22.21				
5	16QAM	1	0		21.75	22.25				
5	16QAM	1	12		21.50	22.30				
5	16QAM	1	24		21.81	21.57				
5	16QAM	12	0		21.30	21.36				
5	16QAM	12	7		21.22	21.24				
5	16QAM	12	13		21.21	21.00				
5	16QAM	25	0		21.17	21.24				
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
13167										
3	QPSK	1	0		23.19	23.39	24.5	0		
3	QPSK	1	8		23.54	23.61				
3	QPSK	1	14		22.92	22.73				
3	QPSK	8	0		22.07	22.17				
3	QPSK	8	4		22.34	22.38				
3	QPSK	8	7		22.11	22.02				
3	QPSK	15	0		22.24	22.19				
3	16QAM	1	0		21.77	22.17				
3	16QAM	1	8		21.55	22.38				
3	16QAM	1	14		21.74	21.63				
3	16QAM	8	0		21.28	21.30				
3	16QAM	8	4		21.22	21.24				
3	16QAM	8	7		21.21	21.00				
3	16QAM	15	0		21.17	21.24				
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
13197										
14	QPSK	1	0		23.53	23.43	24.5	0		
14	QPSK	1	3		23.41	23.44				
14	QPSK	1	6		23.39	23.50				
14	QPSK	3	0		23.25	23.44				
14	QPSK	3	1		23.40	23.48				
14	QPSK	3	3		23.41	23.47				
14	QPSK	8	0		21.84	22.18				
14	16QAM	1	0		21.57	22.33				
14	16QAM	1	3		21.56	22.28				
14	16QAM	1	6		21.61	22.23				
14	16QAM	3	0		21.51	22.29				
14	16QAM	3	1		21.57	22.25				
14	16QAM	3	3		21.56	22.30				
14	16QAM	6	0		21.28	21.04				



Power for Hotspot on

GSM										
GSM850										
Tx Channel	Burst Average Power (dBm)			Tune-up	Frame Average Power (dBm)			Tune-up		
Frequency (MHz)	924.2	836.4	848.8	Limit (dBm)	924.2	836.4	848.8	Limit (dBm)		
GSM 1 Tx slot	31.15	31.30	31.19	31.50	22.15	22.30	22.19	22.50		
GPRS 1 Tx slot	31.10	31.26	31.13	31.50	22.10	22.26	22.13	22.50		
GPRS 2 Tx slot	28.10	29.20	29.30	29.50	23.10	23.20	23.30	23.50		
GPRS 3 Tx slot	26.95	26.90	27.00	27.50	22.69	22.84	22.74	23.24		
GPRS 4 Tx slot	24.70	24.60	24.65	25.50	21.70	21.60	21.65	22.50		
EDGE 1 Tx slot	23.55	23.60	23.53	26.00	16.55	16.60	16.53	17.00		
EDGE 2 Tx slot	23.49	23.55	23.51	24.00	17.49	17.55	17.51	18.00		
EDGE 3 Tx slot	21.36	21.42	21.40	22.00	17.10	17.16	17.14	17.74		
EDGE 4 Tx slot	19.22	19.30	19.25	20.00	16.22	16.30	16.25	17.00		

GSM1900										
Tx Channel	Burst Average Power (dBm)			Tune-up	Frame Average Power (dBm)			Tune-up		
Frequency (MHz)	1924	1800	1908.8	Limit (dBm)	1924	1800	1908.8	Limit (dBm)		
GSM 1 Tx slot	25.75	25.83	25.80	26.50	16.75	16.83	16.80	17.50		
GPRS 1 Tx slot	25.71	25.80	25.75	26.50	16.71	16.80	16.75	17.50		
GPRS 2 Tx slot	23.72	23.76	23.82	24.50	17.72	17.76	17.82	18.50		
GPRS 3 Tx slot	21.76	21.80	21.85	22.50	17.50	17.54	17.59	18.24		
GPRS 4 Tx slot	19.75	19.78	19.80	20.50	16.75	16.78	16.80	17.50		
EDGE 1 Tx slot	21.96	22.00	21.99	22.50	12.96	13.00	12.99	13.50		
EDGE 2 Tx slot	19.90	19.93	19.96	20.50	13.90	13.93	13.96	14.50		
EDGE 3 Tx slot	18.10	18.15	18.18	18.50	13.84	13.89	13.92	14.24		
EDGE 4 Tx slot	16.08	16.10	16.12	16.50	13.08	13.10	13.12	13.50		

WCDMA													
WCDMA II													
Tx Channel	9682	9600	9638	Tune-up	WCDMA IV			Tune-up	WCDMA V				
Rx Channel	9682	9600	9638	Limit (dBm)	1532	1413	1513	Limit (dBm)	4357	4407	4458	Limit (dBm)	
Frequency (MHz)	1924.2	1800	1908.8		712.4	702.6	703.2		364.4	365.4	366.8		
3GPP Rel 99	AMR 12.2Kbps	18.38	18.72	18.69	19.00	17.34	17.35	17.30	17.50	23.12	23.15	23.10	24.00
3GPP Rel 99	RMC 12.2Kbps	18.56	18.73	18.68	19.00	17.38	17.40	17.31	17.50	23.18	23.22	23.15	24.00
3GPP Rel 8	HSUPA Subtest-1	17.79	18.14	18.07	18.50	16.48	16.60	16.74	17.00	21.76	21.90	21.73	23.50
3GPP Rel 8	HSUPA Subtest-2	17.84	18.14	18.04	18.50	16.47	16.51	16.75	17.00	21.79	21.84	21.72	23.50
3GPP Rel 8	HSUPA Subtest-3	17.53	17.64	17.82	18.50	16.08	16.01	16.24	17.00	21.83	21.52	21.50	23.50
3GPP Rel 8	HSUPA Subtest-4	17.30	17.51	17.50	18.50	16.14	16.00	16.24	17.00	21.55	21.54	21.54	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.76	18.13	18.06	18.50	16.45	16.57	16.73	17.00	21.69	21.69	21.65	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	17.82	18.12	18.03	18.50	16.48	16.46	16.71	17.00	21.87	21.74	21.66	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	17.29	17.62	17.47	18.50	16.03	15.99	16.23	17.00	21.53	21.52	21.53	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.28	17.49	17.46	18.50	16.10	15.98	16.22	17.00	21.52	21.55	21.59	23.50
3GPP Rel 8	HSUPA Subtest-1	17.70	17.73	17.49	18.00	16.03	16.47	16.11	16.50	21.58	21.83	21.38	22.50
3GPP Rel 8	HSUPA Subtest-2	16.55	16.54	17.00	17.00	15.35	15.05	15.01	15.50	20.55	20.48	20.24	21.50
3GPP Rel 8	HSUPA Subtest-3	16.53	16.53	16.56	18.00	15.03	15.29	15.02	16.50	20.63	20.59	20.66	21.50
3GPP Rel 8	HSUPA Subtest-4	16.73	17.11	17.18	17.50	15.73	15.87	15.86	16.00	21.15	21.05	20.70	22.00
3GPP Rel 8	HSUPA Subtest-5	17.50	17.70	17.80	18.00	15.97	16.25	15.85	16.50	21.70	21.50	21.70	22.50



LTE Band 13

Channel	Power	Power	Power	Tune-up limit	MPR	
Frequency (MHz)	Low Ch. / Freq	Mid Ch. / Freq	High Ch. / Freq	(dBm)	(dB)	
Channel 192						
10	QPSK	1	0	23.71	25	0
10	QPSK	1	25	24.28		
10	QPSK	1	49	24.06	24	1
10	QPSK	25	0	23.07		
10	QPSK	25	12	23.11	24	1
10	QPSK	25	25	22.99		
10	QPSK	50	0	23.08	24	1
10	QPSK	50	0	22.48		
10	HQAM	1	0	22.72	24	1
10	HQAM	1	25	22.59		
10	HQAM	1	49	22.12	23	2
10	HQAM	25	0	22.46		
10	HQAM	25	12	22.25	23	2
10	HQAM	25	25	22.29		
Channel 2325						
Channel 784.5						
5	QPSK	1	0	23.59	25	0
5	QPSK	1	12	24.11		
5	QPSK	1	24	23.93	24	1
5	QPSK	12	0	22.93		
5	QPSK	12	7	22.96	24	1
5	QPSK	12	13	22.89		
5	QPSK	25	0	22.96	24	1
5	QPSK	25	0	22.42		
5	HQAM	1	0	22.36	24	1
5	HQAM	1	12	22.56		
5	HQAM	1	24	22.47	23	2
5	HQAM	12	0	21.98		
5	HQAM	12	7	22.14	23	2
5	HQAM	12	13	22.13		
5	HQAM	25	0	22.17	23	2
5	HQAM	25	0	22.13		

LTE Band 66

Channel	Power	Power	Power	Tune-up limit	MPR	
Frequency (MHz)	Low Ch. / Freq	Mid Ch. / Freq	High Ch. / Freq	(dBm)	(dB)	
Channel 1162						
20	QPSK	1	0	17.49	18.5	0
20	QPSK	1	49	18.08		
20	QPSK	1	99	17.85	17.5	1
20	QPSK	50	0	16.87		
20	QPSK	50	24	16.98	17.5	1
20	QPSK	50	50	16.92		
20	QPSK	100	0	16.90	17.5	1
20	QPSK	100	0	16.55		
20	HQAM	1	0	17.13	17.5	1
20	HQAM	1	49	16.48		
20	HQAM	1	99	16.34	16.5	2
20	HQAM	50	0	16.10		
20	HQAM	50	24	16.04	16.5	2
20	HQAM	50	50	16.04		
20	HQAM	100	0	16.02	16.5	2
20	HQAM	100	0	16.02		
Channel 13247						
Channel 13292						
Channel 13322						
Channel 13372						
15	QPSK	1	0	17.45	18.5	0
15	QPSK	1	37	17.95		
15	QPSK	1	74	17.92	17.5	1
15	QPSK	36	0	16.82		
15	QPSK	36	20	16.97	17.5	1
15	QPSK	36	39	16.89		
15	QPSK	75	0	16.85	17.5	1
15	QPSK	75	0	16.51		
15	HQAM	1	0	17.09	17.5	1
15	HQAM	1	37	16.32		
15	HQAM	1	74	16.41	16.5	2
15	HQAM	36	0	16.07		
15	HQAM	36	20	16.02	16.5	2
15	HQAM	36	39	15.99		
15	HQAM	75	0	16.00	16.5	2
15	HQAM	75	0	16.00		
Channel 13207						
Channel 13252						
Channel 13297						
Channel 13347						
10	QPSK	1	0	17.48	18.5	0
10	QPSK	1	25	17.86		
10	QPSK	1	49	17.50	17.5	1
10	QPSK	25	0	16.85		
10	QPSK	25	12	16.94	17.5	1
10	QPSK	25	25	16.91		
10	QPSK	50	0	16.89	17.5	1
10	QPSK	50	0	16.50		
10	HQAM	1	0	17.09	17.5	1
10	HQAM	1	25	17.08		
10	HQAM	1	49	16.43	16.5	2
10	HQAM	25	0	16.07		
10	HQAM	25	12	16.00	16.5	2
10	HQAM	25	25	16.01		
10	HQAM	50	0	16.00	16.5	2
10	HQAM	50	0	16.00		
Channel 13307						
Channel 13352						
Channel 13397						
Channel 13447						
5	QPSK	1	0	17.46	18.5	0
5	QPSK	1	12	17.87		
5	QPSK	1	24	17.53	17.5	1
5	QPSK	12	0	16.86		
5	QPSK	12	7	16.94	17.5	1
5	QPSK	12	13	16.87		
5	QPSK	25	0	16.89	17.5	1
5	QPSK	25	0	16.51		
5	HQAM	1	0	17.10	17.5	1
5	HQAM	1	12	16.31		
5	HQAM	1	24	16.41	16.5	2
5	HQAM	12	0	16.06		
5	HQAM	12	7	15.99	16.5	2
5	HQAM	12	13	16.03		
5	HQAM	25	0	16.00	16.5	2
5	HQAM	25	0	16.00		
Channel 13167						
Channel 13212						
Channel 13257						
Channel 13307						
3	QPSK	1	0	17.44	18.5	0
3	QPSK	1	8	17.87		
3	QPSK	1	14	17.52	17.5	1
3	QPSK	8	0	16.84		
3	QPSK	8	4	16.97	17.5	1
3	QPSK	8	7	16.87		
3	QPSK	15	0	16.86	17.5	1
3	QPSK	15	0	16.50		
3	HQAM	1	8	17.08	17.5	1
3	HQAM	1	14	16.41		
3	HQAM	8	0	16.08	16.5	2
3	HQAM	8	4	16.00		
3	HQAM	8	7	16.02	16.5	2
3	HQAM	15	0	15.99		
Channel 13197						
Channel 13242						
Channel 13287						
Channel 13337						
1.4	QPSK	1	0	17.47	18.5	0
1.4	QPSK	1	3	17.98		
1.4	QPSK	3	0	17.50	17.5	1
1.4	QPSK	3	3	17.82		
1.4	QPSK	3	1	17.54	17.5	1
1.4	QPSK	3	3	17.49		
1.4	QPSK	8	0	16.88	17.5	1
1.4	QPSK	8	0	16.54		
1.4	HQAM	1	3	17.11	17.5	1
1.4	HQAM	1	8	16.40		
1.4	HQAM	3	0	16.44	16.5	2
1.4	HQAM	3	1	16.04		
1.4	HQAM	3	1	16.04	16.5	2
1.4	HQAM	3	3	16.04		
1.4	HQAM	6	0	15.99	16.5	2
1.4	HQAM	6	0	16.00		



Power for Receive Off

GSM										
GSM850										
Tx Channel	Burst Average Power (dBm)			Tune-up	Frame Average Power (dBm)			Tune-up		
Frequency (MHz)	624.2	636.4	648.6	Limit (dBm)	624.2	636.4	648.6	Limit (dBm)		
GSM 1 Tx slot	31.87	31.88	31.80	32.50	22.87	22.88	22.80	23.50		
GPRS 1 Tx slot	31.86	31.59	31.76	32.50	22.86	22.59	22.76	23.50		
GPRS 2 Tx slot	30.26	30.26	30.27	30.50	24.26	24.26	24.27	24.50		
GPRS 3 Tx slot	28.25	28.34	28.36	28.50	23.99	24.08	24.10	24.24		
GPRS 4 Tx slot	26.48	26.49	26.49	26.50	23.48	23.49	23.49	23.50		
EDGE 1 Tx slot	26.57	26.60	26.66	27.00	17.57	17.60	17.66	18.00		
EDGE 2 Tx slot	24.55	24.62	24.69	25.00	19.55	19.62	19.69	19.00		
EDGE 3 Tx slot	22.26	22.30	22.33	23.00	18.00	18.04	18.07	18.74		
EDGE 4 Tx slot	20.20	20.25	20.29	21.00	17.20	17.25	17.29	18.00		
GSM1900										
Tx Channel	Burst Average Power (dBm)			Tune-up	Frame Average Power (dBm)			Tune-up		
Frequency (MHz)	1920.2	1932	1944	Limit (dBm)	1920.2	1932	1944	Limit (dBm)		
GSM 1 Tx slot	26.62	26.69	26.72	28.00	17.62	17.69	17.72	19.00		
GPRS 1 Tx slot	26.60	26.65	26.70	28.00	17.60	17.65	17.70	19.00		
GPRS 2 Tx slot	23.20	23.33	23.40	26.00	19.20	19.33	19.40	20.00		
GPRS 3 Tx slot	23.19	23.25	23.35	24.00	19.53	19.59	19.09	19.74		
GPRS 4 Tx slot	21.42	21.45	21.50	22.00	18.42	18.45	18.50	19.00		
EDGE 1 Tx slot	23.44	23.42	23.50	24.00	14.44	14.42	14.50	15.00		
EDGE 2 Tx slot	21.38	21.40	21.46	22.00	15.38	15.40	15.46	16.00		
EDGE 3 Tx slot	19.31	19.35	19.40	20.00	15.06	15.09	15.14	15.74		
EDGE 4 Tx slot	17.27	17.30	17.34	18.00	14.27	14.30	14.34	15.00		

WCDMA													
WCDMA II													
Tx Channel	9682	9600	9638	Tune-up	WCDMA IV			Tune-up	WCDMA V				
Rx Channel	9682	9600	9638	Limit (dBm)	1537	1638	1738	Limit (dBm)	4357	4407	4458	Limit (dBm)	
Frequency (MHz)	1920.2	1932	1944	21.00	1920.2	1932	1944	20.50	3924	3954	4004	20.00	
3GPP Rel 99	AMR 12.2Kbps	20.02	20.35	20.32	21.00	19.92	19.91	19.90	20.50	23.12	23.15	23.10	24.00
3GPP Rel 99	RMC 12.2Kbps	20.05	20.37	20.33	21.00	19.93	19.95	19.94	20.50	23.18	23.22	23.15	24.00
3GPP Rel 8	HSDPA Subtest-1	19.06	19.46	19.37	20.50	19.13	19.13	19.16	20.00	21.76	21.80	21.73	23.50
3GPP Rel 8	HSDPA Subtest-2	19.15	19.46	19.37	20.50	19.13	19.12	19.16	20.00	21.79	21.84	21.72	23.50
3GPP Rel 6	HSDPA Subtest-3	18.63	18.84	18.86	20.50	18.62	18.60	18.65	20.00	21.53	21.52	21.50	23.50
3GPP Rel 6	HSDPA Subtest-4	18.61	18.83	18.85	20.50	18.61	18.62	18.62	20.00	21.55	21.54	21.54	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	19.04	19.45	19.36	20.50	19.00	19.14	19.08	20.00	21.69	21.69	21.65	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.13	19.45	19.33	20.50	19.07	19.10	19.00	20.00	21.67	21.74	21.66	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.62	18.83	18.84	20.50	18.59	18.47	18.62	20.00	21.53	21.52	21.53	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	18.60	18.79	18.81	20.50	18.57	18.52	18.54	20.00	21.52	21.55	21.59	23.50
3GPP Rel 8	HSUPA Subtest-1	18.99	19.44	19.03	20.00	18.52	18.99	18.61	19.50	21.58	21.83	21.38	22.50
3GPP Rel 8	HSUPA Subtest-2	17.73	17.97	18.10	19.00	17.84	17.58	17.39	18.50	20.55	20.48	20.24	21.50
3GPP Rel 8	HSUPA Subtest-3	18.92	19.08	18.62	20.00	17.52	17.75	17.50	19.50	20.63	20.59	20.69	21.50
3GPP Rel 8	HSUPA Subtest-4	18.51	18.72	18.28	19.50	18.23	18.35	18.36	19.00	21.15	21.05	20.70	22.00
3GPP Rel 6	HSUPA Subtest-5	19.20	19.42	19.30	20.00	18.77	19.09	18.65	19.50	21.70	21.50	21.70	22.50



LTE Band 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Max Ch / Freq, Power Min Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like QPSK and 16QAM across different bandwidths and power levels.

LTE Band 4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Max Ch / Freq, Power Min Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like QPSK and 16QAM across different bandwidths and power levels.



LTE Band 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.94	23.76	24.13	25	0		
10	QPSK	1	25	24.18	24.20	24.13				
10	QPSK	1	49	23.69	23.81	23.87				
10	QPSK	25	0	22.57	22.95	22.83				
10	QPSK	25	12	22.89	22.95	22.88	24	1		
10	QPSK	25	25	22.88	22.98	22.80				
10	QPSK	50	0	22.81	22.93	22.89				
10	HQAM	1	0	22.63	22.49	22.33				
10	HQAM	1	25	22.96	23.23	22.69	24	1		
10	HQAM	1	49	22.38	23.15	22.15				
10	HQAM	25	0	22.01	22.04	22.00				
10	HQAM	25	12	21.89	22.11	22.04				
10	HQAM	25	25	21.89	22.14	21.85	23	2		
10	HQAM	50	0	21.99	21.81	21.94				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.73	23.71	24.08	25	0		
5	QPSK	1	12	24.02	24.15	24.05				
5	QPSK	1	24	23.60	23.70	23.79				
5	QPSK	12	0	22.79	22.86	22.68				
5	QPSK	12	7	22.78	22.84	22.80	24	1		
5	QPSK	12	13	22.74	22.77	22.67				
5	QPSK	25	0	22.66	22.84	22.85				
5	HQAM	1	0	22.54	22.36	22.22				
5	HQAM	1	12	22.63	23.08	22.56	24	1		
5	HQAM	1	24	22.34	23.08	22.09				
5	HQAM	12	0	21.95	21.91	21.95				
5	HQAM	12	7	21.79	22.03	21.95				
5	HQAM	12	13	21.79	22.04	21.70	23	2		
5	HQAM	25	0	21.89	21.71	21.88				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.76	23.60	24.01	25	0		
3	QPSK	1	8	24.05	24.11	24.02				
3	QPSK	1	14	23.57	23.65	23.73				
3	QPSK	8	0	22.71	22.74	22.69				
3	QPSK	8	4	22.74	22.68	22.77	24	1		
3	QPSK	8	7	22.72	22.77	22.76				
3	QPSK	15	0	22.74	22.77	22.76				
3	HQAM	1	0	22.46	22.41	22.26				
3	HQAM	1	8	22.86	23.12	22.80	24	1		
3	HQAM	1	14	22.32	23.03	22.03				
3	HQAM	8	0	21.95	21.91	21.87				
3	HQAM	8	4	21.79	22.03	21.95				
3	HQAM	8	7	21.79	22.04	21.81	23	2		
3	HQAM	15	0	21.89	21.71	21.88				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.70	23.46	23.96	25	0		
1.4	QPSK	1	3	23.97	24.02	23.95				
1.4	QPSK	1	5	23.50	23.55	23.64				
1.4	QPSK	3	0	23.46	23.57	23.68				
1.4	QPSK	3	1	23.50	23.58	23.60	24	1		
1.4	QPSK	3	3	23.41	23.55	23.64				
1.4	QPSK	6	0	23.06	23.10	22.90				
1.4	HQAM	1	0	22.74	23.23	23.35				
1.4	HQAM	1	3	23.09	22.84	23.30	24	1		
1.4	HQAM	1	5	23.15	22.54	23.13				
1.4	HQAM	3	0	23.00	22.99	23.12				
1.4	HQAM	3	1	23.01	23.02	22.88				
1.4	HQAM	3	3	22.94	22.94	22.88	23	2		
1.4	HQAM	6	0	21.98	22.08	21.86				

LTE Band 12

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	23.71	23.90	23.83	25	0		
10	QPSK	1	25	24.02	24.25	24.14				
10	QPSK	1	49	24.10	24.16	24.00				
10	QPSK	25	0	22.53	22.22	23.09				
10	QPSK	25	12	23.10	23.25	23.14	24	1		
10	QPSK	25	25	23.14	23.29	23.05				
10	QPSK	50	0	23.12	23.20	23.07				
10	HQAM	1	0	22.53	22.89	22.55				
10	HQAM	1	25	23.00	22.79	23.46	24	1		
10	HQAM	1	49	23.01	22.88	22.60				
10	HQAM	25	0	22.10	22.32	22.05				
10	HQAM	25	12	22.12	22.49	22.24				
10	HQAM	25	25	22.53	22.23	22.14	23	2		
10	HQAM	50	0	22.21	22.16	22.16				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.64	23.78	23.68	25	0		
5	QPSK	1	12	23.88	24.19	24.01				
5	QPSK	1	24	23.95	23.02	23.93				
5	QPSK	12	0	22.86	23.07	22.84				
5	QPSK	12	7	23.02	23.17	23.08	24	1		
5	QPSK	12	13	23.03	23.10	22.90				
5	QPSK	25	0	22.97	23.07	22.97				
5	HQAM	1	0	22.46	22.78	22.46				
5	HQAM	1	12	22.84	23.66	23.30	24	1		
5	HQAM	1	24	22.88	22.75	22.53				
5	HQAM	12	0	21.95	22.28	21.89				
5	HQAM	12	7	22.02	22.19	22.23				
5	HQAM	12	13	22.13	22.21	21.98	23	2		
5	HQAM	25	0	22.11	22.08	22.07				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.58	23.75	23.73	25	0		
3	QPSK	1	8	23.84	24.21	24.02				
3	QPSK	1	14	24.06	24.05	23.96				
3	QPSK	8	0	22.85	23.18	22.96				
3	QPSK	8	4	22.87	23.18	23.04	24	1		
3	QPSK	8	7	23.03	23.14	22.95				
3	QPSK	15	0	23.03	23.05	22.96				
3	HQAM	1	0	22.26	22.79	22.29				
3	HQAM	1	8	22.84	22.74	23.34	24	1		
3	HQAM	1	14	22.89	22.84	22.56				
3	HQAM	8	0	22.01	22.28	21.84				
3	HQAM	8	4	22.02	22.19	22.19				
3	HQAM	8	7	22.13	22.04	22.07	23	2		
3	HQAM	15	0	22.11	22.06	22.00				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.45	23.59	23.68	25	0		
1.4	QPSK	1	3	23.62	23.69	23.92				
1.4	QPSK	1	5	23.50	23.95	23.87				
1.4	QPSK	3	0	24.01	24.01	23.88				
1.4	QPSK	3	1	23.59	23.00	23.85	24	1		
1.4	QPSK	3	3	23.51	24.00	23.82				
1.4	QPSK	6	0	23.10	23.45	23.39				
1.4	HQAM	1	0	22.81	22.98	22.76				
1.4	HQAM	1	3	23.03	22.98	23.08	24	1		
1.4	HQAM	1	5	22.46	22.83	22.76				
1.4	HQAM	3	0	23.00	23.22	23.10				
1.4	HQAM	3	1	22.98	23.02	23.09				
1.4	HQAM	3	3	22.91	23.05	23.18	23	2		
1.4	HQAM	6	0	21.97	22.25	22.24				

Bluetooth/WLAN Power

2.4GHz WLAN				Art 1	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11n 1Mbps	1	2412	17.20	18.00
		6	2437	17.50	18.00
		11	2462	17.40	18.00
	802.11g 6Mbps	1	2412	12.40	13.50
		6	2437	14.50	15.00
		11	2462	13.50	14.50
802.11n-HT20 MCS0	1	2412	12.50	13.50	
	6	2437	14.50	15.00	
	11	2462	13.50	14.50	

Bluetooth

Mode	Channel	Frequency (MHz)	Average power (dBm)					
			1Mbps	Tune-up Limit	2Mbps	Tune-up Limit	3Mbps	Tune-up Limit
BR / EDR	CH 00	2402	11.20	13.00	8.20	10.00	8.10	10.00
	CH 39	2441	12.10	13.00	9.10	10.00	9.10	10.00
	CH 78	2480	11.80	12.00	8.60	9.00	8.60	9.00

BLE

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	Tune-up Limit
LE	CH 00	2402	0.00	1.50
	CH 16	2459	0.30	2.00
	CH 39	2480	0.20	0.50