



Full&Default Power Mode/Redued Power for DS12

<GSM>

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	82.2	85.4	88.8	82.2	85.4	88.8	82.2	85.4
Frequency (MHz)	32.20	32.04	32.11	33.50	33.20	33.04	33.11	34.50
GPRS 1 Tx slots	32.18	32.01	32.07	33.50	33.18	33.01	33.07	34.50
GPRS 2 Tx slots	30.35	30.38	30.31	31.50	24.35	24.38	24.31	25.50
GPRS 3 Tx slots	28.31	28.35	28.35	29.50	24.05	24.09	24.09	25.24
GPRS 4 Tx slots	29.23	29.29	29.34	27.50	23.23	23.29	23.34	24.50
EDGE 1 Tx slot	26.04	26.11	25.94	27.50	17.04	17.11	16.94	18.50
EDGE 2 Tx slots	24.24	24.31	24.22	25.50	18.24	18.31	18.22	19.50
EDGE 3 Tx slots	22.17	22.21	22.23	23.50	17.81	17.95	17.97	19.24
EDGE 4 Tx slots	20.14	20.23	20.08	22.00	17.14	17.23	17.08	19.00

GSM1900_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1859.2	1830	1839.8	1859.2	1830	1839.8	1859.2	1830
Frequency (MHz)	29.21	29.23	29.18	30.50	20.21	20.23	20.18	21.50
GPRS 1 Tx slot	29.18	29.27	29.16	30.50	20.18	20.27	20.16	21.50
GPRS 2 Tx slots	27.75	27.68	27.44	29.00	21.75	21.68	21.44	23.00
GPRS 3 Tx slots	25.70	25.63	25.44	27.00	21.44	21.37	21.18	22.74
GPRS 4 Tx slots	23.69	23.63	23.48	25.00	20.69	20.63	20.48	22.00
EDGE 1 Tx slot	26.10	26.89	25.91	26.50	17.10	16.89	16.91	17.50
EDGE 2 Tx slots	23.75	23.63	23.43	24.50	17.75	17.63	17.43	18.50
EDGE 3 Tx slots	21.85	21.83	21.64	22.50	17.60	17.57	17.38	18.24
EDGE 4 Tx slots	19.70	19.69	19.72	21.00	16.70	16.69	16.72	18.00

<WCDMA>

Band	WCDMA_U_Ant 1	Tune-up Limit (dBm)	WCDMA_V_Ant 1			Tune-up Limit (dBm)	WCDMA_V_Ant 1			Tune-up Limit (dBm)			
			1312	1413	1513		4132	4182	4233				
TX Channel	9662	9400	9638	1312	1413	1513	4132	4182	4233	9662			
Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458	9662			
Frequency (MHz)	1852.4	1886	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6	1852.4			
3GPP Rel 99	AMR 12.2Kbps	22.18	22.33	22.10	24.00	22.25	22.41	22.31	24.00	22.28	22.36	22.18	24.00
3GPP Rel 99	AMR 12.2Kbps	22.21	22.38	22.14	24.00	22.26	22.43	22.34	24.00	22.31	22.42	22.40	24.00
3GPP Rel 6	HSDPA Subtest-1	21.21	21.38	21.18	23.00	21.24	21.43	21.32	23.00	21.35	21.44	21.24	23.00
3GPP Rel 6	HSDPA Subtest-2	21.19	21.36	21.17	23.00	21.24	21.45	21.29	23.00	21.30	21.43	21.28	23.00
3GPP Rel 6	HSDPA Subtest-3	20.73	20.93	20.59	22.50	20.75	20.97	20.82	22.50	20.85	20.93	20.71	22.50
3GPP Rel 6	HSDPA Subtest-4	20.75	20.85	20.63	22.50	20.74	20.89	20.86	22.50	20.79	20.94	20.78	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	21.24	21.37	21.11	23.00	21.22	21.48	21.30	23.00	21.28	21.44	21.21	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	21.19	21.37	21.18	23.00	21.24	21.46	21.34	23.00	21.36	21.42	21.19	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	20.67	20.87	20.68	22.50	20.79	20.95	20.84	22.50	20.82	20.91	20.70	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	20.75	20.84	20.62	22.50	20.76	20.90	20.85	22.50	20.78	20.90	20.72	22.50
3GPP Rel 6	HSUPA Subtest-1	21.24	21.43	21.11	23.00	21.22	21.59	21.31	23.00	21.36	21.43	21.18	23.00
3GPP Rel 6	HSUPA Subtest-2	19.21	19.34	19.15	21.00	19.25	19.40	19.32	21.00	19.34	19.38	19.25	21.00
3GPP Rel 6	HSUPA Subtest-3	20.26	20.37	20.15	22.00	20.23	20.46	20.30	22.00	20.29	20.40	20.21	22.00
3GPP Rel 6	HSUPA Subtest-4	19.20	19.42	19.17	21.00	19.24	19.42	19.29	21.00	19.28	19.46	19.27	21.00
3GPP Rel 6	HSUPA Subtest-5	21.20	21.42	21.14	23.00	21.24	21.41	21.35	23.00	21.28	21.41	21.27	23.00



LTE Band 5 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.56	22.56	22.56	24	0
10	QPSK	1	25	22.45	22.44	22.33		
10	QPSK	1	49	22.32	22.34	22.28		
10	QPSK	25	0	21.48	21.68	21.30	23	1
10	QPSK	25	12	21.45	21.46	21.29		
10	QPSK	25	25	21.28	21.33	21.22		
10	QPSK	50	0	21.36	21.57	21.56	23	1
10	16QAM	1	0	21.42	21.57	21.57		
10	16QAM	1	25	21.42	21.45	21.27		
10	16QAM	1	49	21.29	21.40	21.34	22	2
10	16QAM	25	0	20.45	20.71	20.54		
10	16QAM	25	12	20.50	20.62	20.53		
10	16QAM	25	25	20.61	20.75	20.68		
10	16QAM	50	0	20.27	20.28	20.12		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.46	22.56	22.37	24	0
5	QPSK	1	12	22.25	22.39	22.23		
5	QPSK	1	24	22.17	22.27	22.14		
5	QPSK	12	0	21.30	21.64	21.44	23	1
5	QPSK	12	7	21.42	21.27	21.39		
5	QPSK	12	13	21.34	21.48	21.48		
5	QPSK	25	0	21.24	21.46	21.40	23	1
5	16QAM	1	0	21.23	21.40	21.55		
5	16QAM	1	12	21.29	21.29	21.14		
5	16QAM	1	24	21.27	21.40	21.17	22	2
5	16QAM	12	0	20.46	20.50	20.65		
5	16QAM	12	7	20.48	20.49	20.34		
5	16QAM	12	13	20.55	20.65	20.47		
5	16QAM	25	0	20.45	20.50	20.39		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.51	22.48	22.52	24	0
3	QPSK	1	8	22.41	22.35	22.29		
3	QPSK	1	14	22.15	22.18	22.16		
3	QPSK	8	0	21.30	21.64	21.31	23	1
3	QPSK	8	4	21.39	21.39	21.29		
3	QPSK	8	7	21.30	21.22	21.42		
3	QPSK	15	0	21.37	21.50	21.43	23	1
3	16QAM	1	0	21.31	21.52	21.38		
3	16QAM	1	8	21.26	21.45	21.06		
3	16QAM	1	14	21.08	21.41	21.21	22	2
3	16QAM	8	0	20.57	20.64	20.61		
3	16QAM	8	4	20.45	20.50	20.53		
3	16QAM	8	7	20.54	20.73	20.56		
3	16QAM	15	0	20.07	20.50	20.49		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	22.57	22.53	22.53	24	0
1.4	QPSK	1	3	22.34	22.33	22.14		
1.4	QPSK	1	5	22.22	22.26	22.29		
1.4	QPSK	3	0	22.41	22.58	22.29	23	1
1.4	QPSK	3	1	22.36	22.34	22.12		
1.4	QPSK	3	3	22.16	22.30	22.17		
1.4	16QAM	1	0	21.24	21.50	21.52	23	1
1.4	16QAM	1	3	21.23	21.27	21.19		
1.4	16QAM	1	5	21.24	21.19	21.17		
1.4	16QAM	3	0	21.29	21.52	21.35	22	2
1.4	16QAM	3	1	21.28	21.57	21.39		
1.4	16QAM	3	3	21.42	21.43	21.10		
1.4	16QAM	6	0	20.21	20.20	20.00		

LTE Band 7 Ant 1

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	22.20	22.41	22.34	24	0
20	QPSK	1	49	22.03	22.23	22.17		
20	QPSK	1	99	22.14	22.31	22.11		
20	QPSK	50	0	21.45	21.48	21.41	23	1
20	QPSK	50	24	21.12	21.24	21.22		
20	QPSK	50	50	21.12	21.41	21.01		
20	QPSK	100	0	21.94	21.23	21.86	23	1
20	16QAM	1	0	21.76	21.76	21.58		
20	16QAM	1	49	21.48	21.67	21.51		
20	16QAM	1	99	21.68	21.63	21.49	22	2
20	16QAM	50	0	20.25	20.31	20.19		
20	16QAM	50	24	20.12	20.27	20.23		
20	16QAM	50	49	20.18	20.35	20.35		
20	16QAM	100	0	20.12	20.26	20.19		
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.10	22.35	22.21	24	0
15	QPSK	1	37	22.09	22.18	22.09		
15	QPSK	1	74	22.03	22.18	22.05		
15	QPSK	36	0	21.33	21.38	21.33	23	1
15	QPSK	36	30	21.31	21.09	21.32		
15	QPSK	36	39	21.04	21.35	21.35		
15	QPSK	75	0	21.32	21.12	21.27	23	1
15	16QAM	1	0	21.62	21.64	21.51		
15	16QAM	1	37	21.35	21.58	21.45		
15	16QAM	1	74	21.45	21.55	21.41	22	2
15	16QAM	36	0	20.19	20.22	20.13		
15	16QAM	36	30	20.02	20.16	20.18		
15	16QAM	36	39	20.04	20.23	20.18		
15	16QAM	75	0	20.12	20.12	20.08		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.08	22.29	22.20	24	0
10	QPSK	1	25	22.11	22.16	22.03		
10	QPSK	1	49	22.03	22.24	22.04		
10	QPSK	25	0	21.37	21.41	21.29	23	1
10	QPSK	25	12	21.01	21.11	21.10		
10	QPSK	25	25	21.01	21.11	21.33		
10	QPSK	50	0	21.38	21.13	21.32	23	1
10	16QAM	1	0	21.68	21.65	21.54		
10	16QAM	1	25	21.36	21.61	21.42		
10	16QAM	1	49	21.49	21.55	21.42	22	2
10	16QAM	25	0	20.18	20.29	20.12		
10	16QAM	25	12	20.04	20.16	20.13		
10	16QAM	25	25	20.07	20.30	20.24		
10	16QAM	50	0	20.03	20.12	20.03		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.44	22.35	22.21	24	0
5	QPSK	1	12	22.09	22.08	22.08		
5	QPSK	1	24	22.04	22.19	22.03		
5	QPSK	12	0	21.31	21.42	21.32	23	1
5	QPSK	12	7	21.01	21.10	21.09		
5	QPSK	12	13	21.06	21.31	21.34		
5	QPSK	25	0	21.27	21.15	21.28	23	1
5	16QAM	1	0	21.67	21.69	21.51		
5	16QAM	1	12	21.41	21.50	21.49		
5	16QAM	1	24	21.53	21.53	21.35	22	2
5	16QAM	12	0	20.16	20.19	20.04		
5	16QAM	12	7	20.03	20.10	20.10		
5	16QAM	12	13	20.10	20.28	20.24		
5	16QAM	25	0	20.07	20.20	20.11		



LTE Band 13 Ant 1

Channel	Frequency (MHz)	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel 742						
10	QPSK	1	0	22.94	24	0
10	QPSK	1	26	22.92	23	1
10	QPSK	1	49	22.87		
10	QPSK	25	0	22.08		
10	QPSK	25	12	21.87	23	1
10	QPSK	25	26	21.99		
10	QPSK	50	0	21.88		
10	16QAM	1	0	22.34	23	1
10	16QAM	1	26	22.25		
10	16QAM	1	49	22.27		
10	16QAM	25	0	20.51	22	2
10	16QAM	25	12	20.81		
10	16QAM	25	26	20.94		
10	16QAM	50	0	20.92	22	2
10	16QAM	50	12	20.87		
10	16QAM	50	26	20.77		
Channel 743						
Channel 2320						
5	QPSK	1	0	22.84	24	0
5	QPSK	1	12	22.95	23	1
5	QPSK	1	24	22.74		
5	QPSK	12	0	21.79		
5	QPSK	12	7	21.68	23	1
5	QPSK	12	13	21.97		
5	QPSK	25	0	21.64		
5	16QAM	1	0	22.24	23	1
5	16QAM	1	12	22.13		
5	16QAM	1	24	22.13		
5	16QAM	12	0	20.63	22	2
5	16QAM	12	7	20.69		
5	16QAM	12	13	20.87		
5	16QAM	25	0	20.95	22	2
5	16QAM	25	7	20.87		
5	16QAM	25	13	20.77		

LTE Band 26 Ant 1

Channel	Frequency (MHz)	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel 2685						
15	QPSK	1	0	22.99	24	0
15	QPSK	1	37	22.93	23	1
15	QPSK	1	74	22.15		
15	QPSK	36	0	21.53		
15	QPSK	36	20	21.96	23	1
15	QPSK	36	39	21.31		
15	QPSK	73	0	22.18		
15	16QAM	1	0	22.29	23	1
15	16QAM	1	37	22.12		
15	16QAM	1	74	22.12		
15	16QAM	36	0	20.82	22	2
15	16QAM	36	20	20.80		
15	16QAM	36	39	20.83		
15	16QAM	73	0	20.77	22	2
15	16QAM	73	20	20.77		
15	16QAM	73	39	20.87		
Channel 2686						
Channel 2690						
10	QPSK	1	0	22.53	24	0
10	QPSK	1	26	22.16	23	1
10	QPSK	1	49	22.16		
10	QPSK	25	0	21.34		
10	QPSK	25	13	21.37	23	1
10	QPSK	25	26	21.10		
10	QPSK	50	0	21.84		
10	16QAM	1	0	22.07	23	1
10	16QAM	1	26	22.10		
10	16QAM	1	49	22.09		
10	16QAM	25	0	20.61	22	2
10	16QAM	25	13	20.58		
10	16QAM	25	26	20.44		
10	16QAM	50	0	20.96	22	2
10	16QAM	50	13	20.79		
10	16QAM	50	26	20.77		
Channel 2675						
Channel 2676						
5	QPSK	1	0	22.26	24	0
5	QPSK	1	12	22.14	23	1
5	QPSK	1	24	22.16		
5	QPSK	12	0	21.38		
5	QPSK	12	7	21.58	23	1
5	QPSK	12	13	21.98		
5	QPSK	25	0	22.07		
5	16QAM	1	0	22.13	23	1
5	16QAM	1	12	22.09		
5	16QAM	1	24	22.07		
5	16QAM	12	0	20.80	22	2
5	16QAM	12	7	20.71		
5	16QAM	12	13	20.62		
5	16QAM	25	0	20.79	22	2
5	16QAM	25	7	20.70		
5	16QAM	25	13	20.76		
Channel 2685						
Channel 813.5						
3	QPSK	1	0	22.42	24	0
3	QPSK	1	8	22.28	23	1
3	QPSK	1	14	22.26		
3	QPSK	8	0	21.41		
3	QPSK	8	4	21.48	23	1
3	QPSK	8	7	21.29		
3	QPSK	15	0	22.11		
3	16QAM	1	0	22.14	23	1
3	16QAM	1	8	22.11		
3	16QAM	1	14	22.01		
3	16QAM	8	0	20.68	22	2
3	16QAM	8	4	20.75		
3	16QAM	8	7	20.64		
3	16QAM	15	0	20.69	22	2
3	16QAM	15	4	20.63		
3	16QAM	15	7	20.63		
Channel 814.7						
Channel 813.5						
1.4	QPSK	1	0	22.99	24	0
1.4	QPSK	1	3	22.24	23	1
1.4	QPSK	1	6	22.14		
1.4	QPSK	3	0	22.25		
1.4	QPSK	3	3	22.13	23	1
1.4	QPSK	3	6	22.13		
1.4	QPSK	3	9	22.06		
1.4	16QAM	1	0	22.20	23	1
1.4	16QAM	1	3	22.04		
1.4	16QAM	1	6	22.04		
1.4	16QAM	3	0	22.13	23	1
1.4	16QAM	3	1	22.08		
1.4	16QAM	3	3	21.92		
1.4	16QAM	6	0	20.71	22	2
1.4	16QAM	6	1	20.81		
1.4	16QAM	6	3	20.81		



LTE Band 66 Ant 1

Band	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	22.20	22.44	22.19	24	0
20	QPSK	1	49	22.27	22.38	22.28		
20	QPSK	1	99	22.29	22.40	22.39		
20	QPSK	50	0	21.52	21.67	21.49	23	1
20	QPSK	50	24	21.47	21.51	21.50		
20	QPSK	50	50	21.43	21.63	21.55		
20	QPSK	100	0	21.33	21.44	21.38	23	1
20	16QAM	1	99	21.39	21.43	21.36		
20	16QAM	1	49	21.48	21.52	21.40		
20	16QAM	50	0	20.35	20.55	20.55	22	2
20	16QAM	50	24	20.32	20.47	20.48		
20	16QAM	50	50	20.46	20.58	20.42		
20	16QAM	100	0	20.53	20.57	20.46		
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.09	22.31	22.08	24	0
15	QPSK	1	37	22.24	22.35	22.21		
15	QPSK	1	74	22.18	22.41	22.17		
15	QPSK	36	0	21.39	21.48	21.45	23	1
15	QPSK	36	20	21.44	21.51	21.51		
15	QPSK	36	39	21.34	21.42	21.40		
15	QPSK	75	0	21.15	21.39	21.19	23	1
15	16QAM	1	37	21.30	21.33	21.23		
15	16QAM	1	37	21.31	21.44	21.18		
15	16QAM	36	0	20.34	20.41	20.48	22	2
15	16QAM	36	20	20.16	20.30	20.38		
15	16QAM	36	39	20.41	20.59	20.24		
15	16QAM	75	0	20.32	20.51	20.41		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.07	22.42	22.00	24	0
10	QPSK	1	25	22.17	22.24	22.10		
10	QPSK	1	49	22.21	22.38	22.24		
10	QPSK	25	0	21.49	21.57	21.49	23	1
10	QPSK	25	12	21.36	21.45	21.47		
10	QPSK	25	25	21.25	21.52	21.34		
10	QPSK	50	0	21.06	21.31	21.28	23	1
10	16QAM	1	0	21.20	21.31	21.26		
10	16QAM	1	25	21.44	21.46	21.29		
10	16QAM	1	49	21.29	21.39	21.32	22	2
10	16QAM	25	0	20.38	20.59	20.44		
10	16QAM	25	12	20.39	20.28	20.43		
10	16QAM	25	25	20.45	20.39	20.27		
10	16QAM	50	0	20.45	20.44	20.42		
Channel								
Frequency (MHz)								
5	QPSK	1	0	17.15	17.45	17.75	24	0
5	QPSK	1	12	17.21	17.31	17.19		
5	QPSK	1	24	17.21	17.27	17.27		
5	QPSK	12	0	17.33	17.60	17.40	23	1
5	QPSK	12	7	17.43	17.52	17.35		
5	QPSK	12	13	17.44	17.44	17.40		
5	QPSK	25	0	17.02	17.30	17.08	23	1
5	16QAM	1	0	17.25	17.28	17.32		
5	16QAM	1	12	17.46	17.51	17.26		
5	16QAM	1	24	17.29	17.52	17.33	22	2
5	16QAM	12	0	20.25	20.52	20.47		
5	16QAM	12	7	20.20	20.28	20.27		
5	16QAM	12	13	20.48	20.51	20.40		
5	16QAM	25	0	20.33	20.55	20.48		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.12	22.24	22.06	24	0
3	QPSK	1	8	22.19	22.30	22.21		
3	QPSK	1	14	22.10	22.38	22.24		
3	QPSK	8	0	21.44	21.68	21.44	23	1
3	QPSK	8	4	21.52	21.45	21.39		
3	QPSK	8	7	21.24	21.60	21.35		
3	QPSK	16	0	21.17	21.28	21.16	23	1
3	16QAM	1	0	21.21	21.28	21.19		
3	16QAM	1	8	21.35	21.46	21.23		
3	16QAM	1	14	21.23	21.50	21.26	22	2
3	16QAM	8	0	20.28	20.55	20.58		
3	16QAM	8	4	20.24	20.31	20.40		
3	16QAM	8	7	20.43	20.47	20.30		
3	16QAM	16	0	20.41	20.56	20.27		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	22.14	22.31	22.19	24	0
1.4	QPSK	1	3	22.32	22.33	22.30		
1.4	QPSK	1	5	22.29	22.27	22.30		
1.4	QPSK	3	0	22.07	22.38	22.38	23	1
1.4	QPSK	3	1	22.28	22.42	22.20		
1.4	QPSK	3	3	22.09	22.25	22.36		
1.4	QPSK	6	0	21.21	21.42	21.13	23	1
1.4	16QAM	1	0	21.17	21.36	21.05		
1.4	16QAM	1	3	21.46	21.44	21.21		
1.4	16QAM	1	6	21.19	21.49	21.35	22	2
1.4	16QAM	3	0	21.27	21.41	21.35		
1.4	16QAM	3	1	21.39	21.48	21.23		
1.4	16QAM	3	3	21.18	21.53	21.33	22	2
1.4	16QAM	6	0	20.34	20.40	20.35		

LTE Band 38 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.53	22.80	22.61	24	0
20	QPSK	1	49	22.49	22.74	22.35		
20	QPSK	1	99	22.46	22.72	22.33		
20	QPSK	50	0	21.35	21.83	21.41	23	1
20	QPSK	50	24	21.44	21.79	21.45		
20	QPSK	50	50	21.41	21.78	21.46		
20	QPSK	100	0	21.35	21.83	21.44	23	1
20	16QAM	1	0	21.22	21.36	21.30		
20	16QAM	1	49	21.43	21.55	21.48		
20	16QAM	50	0	21.47	21.80	21.48	22	2
20	16QAM	50	24	20.13	20.18	20.06		
20	16QAM	50	50	20.26	20.38	20.30		
20	16QAM	100	0	20.18	20.28	20.19	22	2
20	16QAM	100	24	20.26	20.38	20.30		
20	16QAM	100	50	20.18	20.28	20.19		
Channel				37400	37550	37700	Tune-up limit	MPR
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)
15	QPSK	1	0	22.45	22.71	22.47	24	0
15	QPSK	1	37	22.41	22.64	22.28		
15	QPSK	1	74	22.34	22.50	22.23		
15	QPSK	36	0	21.31	21.72	21.29	23	1
15	QPSK	36	20	21.30	21.76	21.33		
15	QPSK	36	39	21.33	21.69	21.31		
15	QPSK	15	0	21.33	21.73	21.38	23	1
15	16QAM	1	0	21.13	21.28	21.17		
15	16QAM	1	37	21.36	21.47	21.42		
15	16QAM	1	74	21.41	21.47	21.42	22	2
15	16QAM	36	0	20.04	20.07	20.18		
15	16QAM	36	20	20.16	20.33	20.24		
15	16QAM	36	39	20.04	20.15	20.10	22	2
15	16QAM	36	75	20.61	20.66	20.55		
15	16QAM	75	0	20.61	20.66	20.55		
Channel				37400	37550	37700	Tune-up limit	MPR
Frequency (MHz)				2575	2595	2615	(dBm)	(dB)
10	QPSK	1	0	22.47	22.72	22.51	24	0
10	QPSK	1	25	22.42	22.66	22.28		
10	QPSK	1	49	22.32	22.59	22.24		
10	QPSK	25	0	21.29	21.68	21.36	23	1
10	QPSK	25	12	21.31	21.77	21.34		
10	QPSK	25	25	21.35	21.70	21.36		
10	QPSK	50	0	21.27	21.77	21.31	23	1
10	16QAM	1	0	21.16	21.30	21.16		
10	16QAM	1	25	21.32	21.41	21.34		
10	16QAM	1	49	21.34	21.48	21.41	22	2
10	16QAM	25	0	20.00	20.05	20.23		
10	16QAM	25	12	20.13	20.31	20.16		
10	16QAM	25	25	20.10	20.18	20.07	22	2
10	16QAM	25	50	20.10	20.18	20.07		
10	16QAM	50	0	20.59	20.58	20.58		
Channel				37775	38000	38225	Tune-up limit	MPR
Frequency (MHz)				2572.5	2595	2617.5	(dBm)	(dB)
5	QPSK	1	0	22.44	22.68	22.53	24	0
5	QPSK	1	12	22.35	22.62	22.21		
5	QPSK	1	24	22.38	22.60	22.24		
5	QPSK	12	0	21.27	21.68	21.32	23	1
5	QPSK	12	7	21.30	21.69	21.33		
5	QPSK	12	13	21.32	21.68	21.34		
5	QPSK	25	0	21.25	21.73	21.39	23	1
5	16QAM	1	0	21.09	21.22	21.18		
5	16QAM	1	12	21.28	21.40	21.35		
5	16QAM	1	24	21.41	21.51	21.39	22	2
5	16QAM	12	0	20.04	20.07	20.18		
5	16QAM	12	7	20.14	20.29	20.19		
5	16QAM	12	13	20.06	20.19	20.08	22	2
5	16QAM	12	25	20.06	20.19	20.08		
5	16QAM	25	0	20.63	20.67	20.57		



Reduced Power for DS14

<GSM>

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	82.2	88.4	84.8	82.2	88.4	84.8	82.2	
Frequency (MHz)	32.20	32.04	32.11	33.50	33.20	33.04	33.11	
GSM 1 Tx slot	32.18	32.01	32.07	33.50	33.18	33.01	33.07	
GPRS 1 Tx slots	30.35	30.38	30.31	31.50	24.35	24.38	24.31	
GPRS 2 Tx slots	28.31	28.35	28.35	29.50	24.05	24.09	24.09	
GPRS 3 Tx slots	28.23	28.29	28.34	27.50	23.23	23.29	23.34	
GPRS 4 Tx slots	26.04	26.11	25.94	27.50	17.04	17.11	16.94	
EDGE 1 Tx slot	24.24	24.31	24.22	25.50	18.24	18.31	18.22	
EDGE 2 Tx slots	22.17	22.21	22.23	23.50	17.81	17.85	17.87	
EDGE 3 Tx slots	20.14	20.23	20.08	22.00	17.14	17.23	17.08	

GSM1900_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	27.46	27.52	27.50	28.00	18.46	18.52	18.50	
Frequency (MHz)	1859.2	1860	1859.8	1859.2	1860	1859.8	1859.2	
GSM 1 Tx slot	27.53	27.60	27.53	28.00	18.53	18.60	18.53	
GPRS 1 Tx slot	24.89	25.00	24.89	26.00	18.89	19.00	18.89	
GPRS 2 Tx slots	22.92	23.00	22.96	24.00	18.66	18.74	18.70	
GPRS 3 Tx slots	21.67	21.70	21.59	22.00	18.67	18.70	18.59	
GPRS 4 Tx slots	26.30	26.09	26.11	26.50	17.30	17.09	17.11	
EDGE 1 Tx slot	23.95	23.83	23.63	24.50	17.95	17.83	17.63	
EDGE 2 Tx slots	22.06	21.83	21.84	22.50	17.80	17.57	17.58	
EDGE 3 Tx slots	19.90	19.89	19.92	21.00	16.90	16.89	16.92	
EDGE 4 Tx slots								

<WCDMA>

Band	WCDMA_U_Ant 1	Tune-up Limit (dBm)	WCDMA_V_Ant 1			Tune-up Limit (dBm)	WCDMA_V_Ant 1			Tune-up Limit (dBm)
			1312	1413	1513		4132	4182	4233	
TX Channel	9662	9600	9638	1537	1638	1738	4357	4407	4458	
Rx Channel	9662	9600	9638	1537	1638	1738	4357	4407	4458	
Frequency (MHz)	1852.4	1886	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2kbps	18.22	18.38	18.15	19.50	17.61	17.72	17.61	19.00	
3GPP Rel 99	AMR 12.2kbps	18.34	18.47	18.35	19.50	17.63	17.76	17.71	19.00	
3GPP Rel 6	HSDPA Subtest-1	17.32	17.46	17.30	18.50	16.63	16.76	16.69	18.00	
3GPP Rel 6	HSDPA Subtest-2	17.25	17.44	17.29	18.50	16.61	16.79	16.65	18.00	
3GPP Rel 6	HSDPA Subtest-3	16.79	16.97	16.68	18.00	16.08	16.36	16.14	17.50	
3GPP Rel 6	HSDPA Subtest-4	16.81	16.97	16.76	18.00	16.07	16.24	16.23	17.50	
3GPP Rel 6	DC-HSDPA Subtest-1	17.32	17.49	17.18	18.50	16.50	16.84	16.62	18.00	
3GPP Rel 6	DC-HSDPA Subtest-2	17.23	17.45	17.30	18.50	16.63	16.77	16.61	18.00	
3GPP Rel 6	DC-HSDPA Subtest-3	16.72	16.96	16.83	18.00	16.09	16.27	16.16	17.50	
3GPP Rel 6	DC-HSDPA Subtest-4	16.85	16.94	16.76	18.00	16.04	16.18	16.13	17.50	
3GPP Rel 6	HSUPA Subtest-1	17.38	17.54	17.21	18.50	16.53	16.76	16.66	18.00	
3GPP Rel 6	HSUPA Subtest-2	15.33	15.44	15.21	16.50	14.56	14.72	14.60	16.00	
3GPP Rel 6	HSUPA Subtest-3	16.36	16.49	16.20	17.50	15.62	15.81	15.63	17.00	
3GPP Rel 6	HSUPA Subtest-4	15.20	15.47	15.22	16.50	14.58	14.74	14.65	16.00	
3GPP Rel 6	HSUPA Subtest-5	17.34	17.49	17.21	18.50	16.51	16.78	16.66	18.00	



LTE Band 2 Ant 1

Table with columns: 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). Includes sub-sections for Channel and Channel Frequency (MHz) with various modulation schemes (QPSK, 16QAM) and bandwidths (20, 15, 10, 5, 1.4).

LTE Band 4 Ant 1

Table with columns: 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). Includes sub-sections for Channel and Channel Frequency (MHz) with various modulation schemes (QPSK, 16QAM) and bandwidths (20, 15, 10, 5, 1.4).



LTE Band 5 Ant 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. / Freq, Power Mids Ch. / Freq, Power High Ch. / Freq, Tune-up limit (dBm), MPR (dB). Contains frequency allocation data for LTE Band 5 Ant 1.

LTE Band 7 Ant 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. / Freq, Power Mids Ch. / Freq, Power High Ch. / Freq, Tune-up limit (dBm), MPR (dB). Contains frequency allocation data for LTE Band 7 Ant 1.



LTE Band 13 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.92	22.94	22.96	24	0
10	QPSK	1	26	22.92	22.94	22.96		
10	QPSK	1	49	22.92	22.94	22.96		
10	QPSK	25	0	22.08	22.08	22.08	23	1
10	QPSK	25	12	21.87	21.87	21.87		
10	QPSK	25	26	21.99	21.99	21.99		
10	16QAM	50	0	21.95	21.95	21.95	23	1
10	16QAM	1	0	22.34	22.34	22.34		
10	16QAM	1	26	22.25	22.25	22.25		
10	16QAM	1	49	22.37	22.37	22.37	22	2
10	16QAM	25	0	20.51	20.51	20.51		
10	16QAM	25	12	20.81	20.81	20.81		
10	16QAM	25	26	20.94	20.94	20.94	22	2
10	16QAM	50	0	20.92	20.92	20.92		
10	16QAM	50	0	20.92	20.92	20.92		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.84	22.80	22.81	24	0
5	QPSK	1	12	22.95	22.88	22.88		
5	QPSK	1	24	22.74	22.78	22.80		
5	QPSK	12	0	21.75	21.98	21.82	23	1
5	QPSK	12	7	21.68	21.74	21.68		
5	QPSK	12	13	21.97	21.92	21.89		
5	QPSK	25	0	21.64	21.89	21.82	23	1
5	16QAM	1	0	22.24	22.18	22.22		
5	16QAM	1	12	22.13	22.05	22.15		
5	16QAM	1	24	22.13	22.01	21.98	22	2
5	16QAM	12	0	20.63	20.76	20.80		
5	16QAM	12	7	20.69	20.81	20.76		
5	16QAM	12	13	20.87	20.77	20.71	22	2
5	16QAM	25	0	20.55	20.60	20.60		
5	16QAM	25	0	20.55	20.60	20.60		

LTE Band 26 Ant 1

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)								
15	QPSK	1	0	22.59	22.60	22.26	24	0
15	QPSK	1	37	22.33	22.41	22.22		
15	QPSK	1	74	22.15	22.35	22.17		
15	QPSK	36	0	21.53	21.67	21.39	23	1
15	QPSK	36	20	21.56	21.64	21.42		
15	QPSK	36	39	21.31	21.44	21.33		
15	16QAM	72	0	22.18	22.27	22.11	23	1
15	16QAM	1	0	22.29	22.27	22.20		
15	16QAM	1	37	22.12	22.19	22.20		
15	16QAM	1	74	22.12	22.28	22.16	22	2
15	16QAM	36	0	20.82	20.95	20.95		
15	16QAM	36	20	20.80	20.88	20.88		
15	16QAM	36	39	20.63	20.84	20.65	22	2
15	16QAM	72	0	20.77	20.87	20.95		
15	16QAM	72	0	20.77	20.87	20.95		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.53	22.47	22.20	24	0
10	QPSK	1	25	22.16	22.23	22.09		
10	QPSK	1	49	22.15	22.31	22.11		
10	QPSK	25	0	21.34	21.40	21.22	23	1
10	QPSK	25	13	21.37	21.34	21.28		
10	QPSK	25	25	21.10	21.33	21.28		
10	QPSK	50	0	21.84	22.05	21.89	23	1
10	16QAM	1	0	22.07	22.11	22.00		
10	16QAM	1	25	22.10	22.18	22.13		
10	16QAM	1	49	22.09	22.11	22.11	22	2
10	16QAM	25	0	20.61	20.79	20.70		
10	16QAM	25	12	20.58	20.71	20.67		
10	16QAM	25	25	20.44	20.63	20.66	22	2
10	16QAM	50	0	20.56	20.71	20.66		
10	16QAM	50	0	20.56	20.71	20.66		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.25	22.44	22.11	24	0
5	QPSK	1	12	22.14	22.21	22.06		
5	QPSK	1	24	22.16	22.15	22.12		
5	QPSK	12	0	21.38	21.49	21.33	23	1
5	QPSK	12	7	21.58	21.40	21.26		
5	QPSK	12	13	21.18	21.28	21.33		
5	QPSK	25	0	22.07	22.08	22.09	23	1
5	16QAM	1	0	22.13	22.09	22.14		
5	16QAM	1	12	21.97	22.02	22.14		
5	16QAM	1	24	22.07	22.28	22.09	22	2
5	16QAM	12	0	20.80	20.84	20.89		
5	16QAM	12	7	20.71	20.86	20.80		
5	16QAM	12	13	20.62	20.81	20.62	22	2
5	16QAM	25	0	20.70	20.75	20.68		
5	16QAM	25	0	20.70	20.75	20.68		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.42	22.43	22.14	24	0
3	QPSK	1	8	22.28	22.41	22.24		
3	QPSK	1	14	22.25	22.24	22.00		
3	QPSK	8	0	21.41	21.62	21.33	23	1
3	QPSK	8	4	21.48	21.44	21.33		
3	QPSK	8	7	21.20	21.59	21.18		
3	16QAM	15	0	22.11	22.06	22.05	23	1
3	16QAM	1	0	22.14	22.09	22.13		
3	16QAM	1	8	22.11	22.18	22.18		
3	16QAM	1	14	22.01	22.07	21.95	22	2
3	16QAM	8	0	20.68	20.84	20.85		
3	16QAM	8	4	20.75	20.78	20.69		
3	16QAM	8	7	20.64	20.62	20.63	22	2
3	16QAM	15	0	20.69	20.83	20.93		
3	16QAM	15	0	20.69	20.83	20.93		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	22.50	22.54	22.19	24	0
1.4	QPSK	1	3	22.24	22.36	22.20		
1.4	QPSK	1	6	22.14	22.28	22.11		
1.4	QPSK	3	0	22.05	22.04	22.22	23	1
1.4	QPSK	3	3	22.14	22.32	22.15		
1.4	QPSK	3	3	22.13	22.16	22.11		
1.4	16QAM	6	0	22.06	22.07	22.04	23	1
1.4	16QAM	1	0	22.20	22.09	22.00		
1.4	16QAM	1	3	22.04	22.03	22.07		
1.4	16QAM	1	6	22.10	22.15	21.99	22	2
1.4	16QAM	3	0	22.13	22.15	22.02		
1.4	16QAM	3	1	22.08	22.07	22.20		
1.4	16QAM	3	3	21.92	22.18	21.99	22	2
1.4	16QAM	6	0	20.71	20.81	20.81		
1.4	16QAM	6	0	20.71	20.81	20.81		



LTE Band 66 Ant 1

Band	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	17.22	17.40	17.15	18.5	0		
20	QPSK	1	49	17.21	17.40	17.18				
20	QPSK	1	99	17.35	17.46	17.22				
20	QPSK	50	0	17.26	17.39	17.22	18.5	0		
20	QPSK	50	24	17.27	17.37	17.15				
20	QPSK	50	50	17.24	17.33	17.19				
20	QPSK	100	0	17.33	17.38	17.26	18.5	0		
20	16QAM	1	99	17.34	17.50	17.26				
20	16QAM	1	49	17.26	17.40	17.17				
20	16QAM	50	0	17.34	17.43	17.14	18.5	0		
20	16QAM	50	24	17.34	17.45	17.24				
20	16QAM	50	50	17.28	17.45	17.16				
20	16QAM	100	0	17.22	17.38	17.26	18.5	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.17	17.45	17.27	18.5	0		
15	QPSK	1	37	17.12	17.27	17.05				
15	QPSK	1	74	17.18	17.35	17.14				
15	QPSK	36	0	17.22	17.23	17.17	18.5	0		
15	QPSK	36	20	17.21	17.41	17.11				
15	QPSK	36	39	17.10	17.38	17.11				
15	QPSK	75	0	17.18	17.38	17.22	18.5	0		
15	16QAM	1	0	17.17	17.26	17.05				
15	16QAM	1	37	17.15	17.23	17.06				
15	16QAM	1	74	17.25	17.40	17.13	18.5	0		
15	16QAM	36	0	17.24	17.32	17.03				
15	16QAM	36	20	17.17	17.31	17.13				
15	16QAM	36	39	17.11	17.36	17.02	18.5	0		
15	16QAM	75	0	17.17	17.27	17.02				
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.11	17.34	17.00	18.5	0		
10	QPSK	1	25	17.06	17.31	17.11				
10	QPSK	1	49	17.26	17.41	17.07				
10	QPSK	25	0	17.19	17.35	17.06	18.5	0		
10	QPSK	25	12	17.17	17.28	17.10				
10	QPSK	25	25	17.14	17.42	17.10				
10	QPSK	50	0	17.24	17.42	17.12	18.5	0		
10	16QAM	1	0	17.24	17.37	17.03				
10	16QAM	1	25	17.15	17.35	17.05				
10	16QAM	1	49	17.19	17.37	17.14	18.5	0		
10	16QAM	25	0	17.26	17.28	17.01				
10	16QAM	25	12	17.20	17.40	17.11				
10	16QAM	25	25	17.16	17.32	17.13	18.5	0		
10	16QAM	50	0	17.14	17.35	17.16				
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.15	17.45	17.17.5	18.5	0		
5	QPSK	1	12	17.20	17.32	17.04				
5	QPSK	1	24	17.21	17.42	17.17				
5	QPSK	12	0	17.10	17.29	17.18	18.5	0		
5	QPSK	12	7	17.11	17.30	17.07				
5	QPSK	12	13	17.13	17.37	17.03				
5	QPSK	25	0	17.22	17.40	17.15	18.5	0		
5	16QAM	1	0	17.26	17.37	17.01				
5	16QAM	1	12	17.17	17.26	17.01				
5	16QAM	1	24	17.31	17.40	17.21	18.5	0		
5	16QAM	12	0	17.29	17.33	17.02				
5	16QAM	12	7	17.26	17.31	17.16				
5	16QAM	12	13	17.13	17.35	17.04	18.5	0		
5	16QAM	25	0	17.06	17.23	17.22				
Channel										
Frequency (MHz)										
3	QPSK	1	0	17.16	17.34	17.03	18.5	0		
3	QPSK	1	8	17.16	17.33	17.09				
3	QPSK	1	14	17.28	17.41	17.07				
3	QPSK	8	0	17.16	17.35	17.10	18.5	0		
3	QPSK	8	4	17.15	17.35	17.06				
3	QPSK	8	7	17.15	17.43	17.12				
3	QPSK	16	0	17.21	17.47	17.22	18.5	0		
3	16QAM	1	0	17.20	17.39	17.14				
3	16QAM	1	8	17.17	17.35	17.04				
3	16QAM	1	14	17.22	17.38	17.17	18.5	0		
3	16QAM	8	0	17.17	17.38	17.04				
3	16QAM	8	4	17.27	17.34	17.11				
3	16QAM	8	7	17.22	17.34	17.10	18.5	0		
3	16QAM	16	0	17.19	17.34	17.20				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.14	17.36	16.99	18.5	0		
1.4	QPSK	1	3	17.16	17.35	17.05				
1.4	QPSK	1	5	17.24	17.38	17.12				
1.4	QPSK	3	0	17.10	17.28	17.15	18.5	0		
1.4	QPSK	3	1	17.21	17.31	17.08				
1.4	QPSK	3	3	17.13	17.34	17.14				
1.4	QPSK	6	0	17.27	17.43	17.18	18.5	0		
1.4	16QAM	1	0	17.16	17.29	17.07				
1.4	16QAM	1	3	17.13	17.37	17.07				
1.4	16QAM	1	5	17.21	17.42	17.20	18.5	0		
1.4	16QAM	3	0	17.26	17.28	17.05				
1.4	16QAM	3	1	17.22	17.38	17.12				
1.4	16QAM	3	3	17.13	17.31	17.06	18.5	0		
1.4	16QAM	6	0	17.14	17.30	17.24				

LTE Band 38 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	13.26	13.63	13.36	14.5	0		
20	QPSK	1	49	13.22	13.52	13.40				
20	QPSK	1	99	13.29	13.49	13.42				
20	QPSK	50	0	13.29	13.61	13.30	14.5	0		
20	QPSK	50	24	13.24	13.50	13.41				
20	QPSK	50	50	13.23	13.54	13.33				
20	QPSK	100	0	13.22	13.55	13.41	14.5	0		
20	16QAM	1	0	13.21	13.61	13.40				
20	16QAM	1	49	13.26	13.61	13.31				
20	16QAM	50	0	13.25	13.53	13.41	14.5	0		
20	16QAM	50	24	13.29	13.55	13.43				
20	16QAM	50	50	13.25	13.57	13.41				
20	16QAM	100	0	13.24	13.58	13.32	14.5	0		
Channel				37850	38000	38150				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	13.17	13.45	13.22	14.5	0		
15	QPSK	1	37	13.13	13.41	13.31				
15	QPSK	1	74	13.12	13.44	13.27				
15	QPSK	36	0	13.12	13.39	13.19	14.5	0		
15	QPSK	36	20	13.12	13.37	13.35				
15	QPSK	36	39	13.07	13.48	13.28				
15	QPSK	15	0	13.08	13.57	13.27	14.5	0		
15	16QAM	1	0	13.14	13.58	13.27				
15	16QAM	1	37	13.11	13.52	13.21				
15	16QAM	1	74	13.19	13.40	13.34	14.5	0		
15	16QAM	36	0	13.21	13.50	13.18				
15	16QAM	36	20	13.24	13.50	13.27				
15	16QAM	36	39	13.09	13.44	13.33	14.5	0		
15	16QAM	75	0	13.24	13.55	13.26				
Channel				37850	38000	38150				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	13.12	13.51	13.29	14.5	0		
10	QPSK	1	25	13.18	13.39	13.29				
10	QPSK	1	49	13.24	13.34	13.34				
10	QPSK	25	0	13.24	13.40	13.15	14.5	0		
10	QPSK	25	12	13.18	13.47	13.27				
10	QPSK	25	25	13.18	13.37	13.18				
10	QPSK	50	0	13.12	13.54	13.28	14.5	0		
10	16QAM	1	0	13.12	13.50	13.22				
10	16QAM	1	25	13.18	13.48	13.27				
10	16QAM	1	49	13.18	13.45	13.30	14.5	0		
10	16QAM	25	0	13.15	13.49	13.20				
10	16QAM	25	12	13.14	13.45	13.40				
10	16QAM	25	25	13.13	13.50	13.33	14.5	0		
10	16QAM	50	0	13.19	13.54	13.28				
Channel				3777.5	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	13.13	13.55	13.33	14.5	0		
5	QPSK	1	12	13.05	13.36	13.25				
5	QPSK	1	24	13.19	13.34	13.39				
5	QPSK	12	0	13.19	13.50	13.17	14.5	0		
5	QPSK	12	7	13.13	13.45	13.35				
5	QPSK	12	13	13.10	13.51	13.28				
5	QPSK	25	0	13.25	13.57	13.27	14.5	0		
5	16QAM	1	0	13.05	13.53	13.29				
5	16QAM	1	12	13.14	13.55	13.16				
5	16QAM	1	24	13.21	13.48	13.35	14.5	0		
5	16QAM	12	0	13.11	13.45	13.16				
5	16QAM	12	7	13.21	13.51	13.28				
5	16QAM	12	13	13.21	13.45	13.26	14.5	0		
5	16QAM	25	0	13.29	13.53	13.26				



Reduced Power for DS16

<GSM>

GSM850_Ant 1 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	32.20	32.04	32.11	33.50	33.20	33.04	33.11	
GPRS 1 Tx slot	32.18	32.01	32.07	33.50	33.18	33.01	33.07	
GPRS 2 Tx slots	30.35	30.38	30.31	31.50	24.35	24.38	24.31	
GPRS 3 Tx slots	28.31	28.35	28.35	29.50	24.05	24.09	24.09	
GPRS 4 Tx slots	28.23	28.29	28.34	27.50	23.23	23.29	23.34	
EDGE 1 Tx slot	26.04	26.11	25.94	27.50	17.04	17.11	16.94	
EDGE 2 Tx slots	24.24	24.31	24.22	25.50	18.24	18.31	18.22	
EDGE 3 Tx slots	22.17	22.21	22.23	23.50	17.81	17.95	17.97	
EDGE 4 Tx slots	20.14	20.23	20.06	23.00	17.14	17.23	17.06	
Mode		Max	32.20			Max	24.38	
Attenuator	Cable Loss:							
Date								

GSM1900_Ant 1 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1908.8	1850.2	1880	1908.8		
GSM 1 Tx slot	23.78	23.83	23.83	28.50	16.78	16.83	16.83	
GPRS 1 Tx slot	23.79	23.89	23.77	28.50	16.79	16.89	16.77	
GPRS 2 Tx slots	23.20	23.27	23.17	24.50	17.20	17.27	17.17	
GPRS 3 Tx slots	21.20	21.33	21.26	22.50	16.84	17.07	17.00	
GPRS 4 Tx slots	20.02	19.94	19.88	20.50	17.02	16.94	16.88	
EDGE 1 Tx slot	23.10	23.89	23.01	28.50	17.10	16.89	16.91	
EDGE 2 Tx slots	23.25	23.13	22.93	24.50	17.25	17.13	16.93	
EDGE 3 Tx slots	21.16	21.13	21.14	22.50	16.90	16.87	16.88	
EDGE 4 Tx slots	19.70	19.69	19.72	21.00	16.70	16.69	16.72	

<WCDMA>

Band TX Channel	WCDMA I_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
	9252	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel	9568	9800	9938	1537	1638	1738	4357	4407	4458			
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99 AMR 12.2Kbps	16.71	16.87	16.64	18.00	16.64	16.79	16.71	18.00	22.28	22.36	22.18	24.00
3GPP Rel 99 RMC 12.2Kbps	16.76	16.88	16.60	18.00	16.88	16.81	16.73	18.00	22.31	22.42	22.40	24.00
3GPP Rel 6 HSDPA Subtest-1	15.68	15.95	15.74	17.00	15.68	15.84	15.88	17.00	21.35	21.44	21.24	23.00
3GPP Rel 6 HSDPA Subtest-2	15.70	15.80	15.62	17.00	15.57	15.77	15.88	17.00	21.30	21.43	21.28	23.00
3GPP Rel 6 HSDPA Subtest-3	15.29	15.49	15.09	16.50	15.15	15.40	15.24	16.50	20.85	20.93	20.71	22.50
3GPP Rel 6 HSDPA Subtest-4	15.23	15.35	15.11	16.50	15.15	15.22	15.25	16.50	20.79	20.94	20.78	22.50
3GPP Rel 6 DC-HSDPA Subtest-1	15.70	15.90	15.55	17.00	15.65	15.86	15.67	17.00	21.28	21.44	21.21	23.00
3GPP Rel 6 DC-HSDPA Subtest-2	15.68	15.83	15.70	17.00	15.62	15.82	15.76	17.00	21.36	21.42	21.19	23.00
3GPP Rel 6 DC-HSDPA Subtest-3	15.18	15.36	15.11	16.50	15.12	15.33	15.23	16.50	20.82	20.91	20.70	22.50
3GPP Rel 6 DC-HSDPA Subtest-4	15.25	15.30	15.06	16.50	15.13	15.22	15.23	16.50	20.78	20.90	20.72	22.50
3GPP Rel 6 HSUPA Subtest-1	13.76	13.96	13.58	17.00	13.56	13.79	13.65	17.00	21.36	21.43	21.19	23.00
3GPP Rel 6 HSUPA Subtest-2	13.75	13.80	13.71	15.00	13.67	13.78	13.66	15.00	19.34	19.38	19.25	21.00
3GPP Rel 6 HSUPA Subtest-3	14.79	14.82	14.72	16.00	14.64	14.79	14.74	16.00	20.29	20.40	20.21	22.00
3GPP Rel 6 HSUPA Subtest-4	13.77	13.90	13.69	15.00	13.55	13.85	13.61	15.00	19.28	19.46	19.27	21.00
3GPP Rel 6 HSUPA Subtest-5	15.66	15.88	15.70	17.00	15.65	15.83	15.69	17.00	21.28	21.41	21.27	23.00



LTE Band 13 Ant 1

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 24300								
Frequency (MHz)								
10	QPSK	1	0	22.84	22.80	22.81	24	0
10	QPSK	1	25	22.99	22.98	22.99	23	1
10	QPSK	1	49	22.74	22.78	22.85		
10	QPSK	25	0	21.75	21.98	21.82	23	1
10	QPSK	25	12	21.68	21.84	21.68		
10	QPSK	25	25	21.97	21.92	21.89		
10	QPSK	50	0	21.64	21.89	21.82	23	1
10	16QAM	1	0	22.24	22.18	22.22		
10	16QAM	1	12	22.13	22.05	22.15		
10	16QAM	1	25	22.13	22.01	21.98	22	2
10	16QAM	1	49	20.63	20.76	20.80		
10	16QAM	25	0	20.69	20.51	20.76	22	2
10	16QAM	25	12	20.87	20.77	20.71		
10	16QAM	25	25	20.55	20.60	20.60		
Channel 24350								
Frequency (MHz)								
5	QPSK	1	0	22.84	22.80	22.81	24	0
5	QPSK	1	12	22.99	22.98	22.99	23	1
5	QPSK	1	24	22.74	22.78	22.85		
5	QPSK	12	0	21.75	21.98	21.82	23	1
5	QPSK	12	7	21.68	21.84	21.68		
5	QPSK	12	14	21.97	21.92	21.89		
5	QPSK	25	0	21.64	21.89	21.82	23	1
5	16QAM	1	0	22.24	22.18	22.22		
5	16QAM	1	12	22.13	22.05	22.15		
5	16QAM	1	24	22.13	22.01	21.98	22	2
5	16QAM	12	0	20.63	20.76	20.80		
5	16QAM	12	7	20.69	20.51	20.76	22	2
5	16QAM	12	14	20.87	20.77	20.71		
5	16QAM	25	0	20.55	20.60	20.60		

LTE Band 26 Ant 1

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 24600								
Frequency (MHz)								
15	QPSK	1	0	22.99	22.90	22.26	24	0
15	QPSK	1	37	22.33	22.41	22.22		
15	QPSK	1	74	22.15	22.35	22.17		
15	QPSK	36	0	21.53	21.67	21.39	23	1
15	QPSK	36	20	21.56	21.64	21.42		
15	QPSK	36	39	21.31	21.44	21.33		
15	QPSK	18	0	22.15	22.28	22.11	23	1
15	16QAM	1	0	22.23	22.27	22.23		
15	16QAM	1	37	22.12	22.19	22.20		
15	16QAM	1	74	22.12	22.38	22.15	22	2
15	16QAM	36	0	20.82	20.96	20.85		
15	16QAM	36	20	20.80	20.88	20.88	22	2
15	16QAM	36	39	20.63	20.84	20.65		
15	16QAM	75	0	20.77	20.87	20.95		
Channel 24650								
Frequency (MHz)								
10	QPSK	1	0	22.53	22.47	22.20	24	0
10	QPSK	1	25	22.16	22.43	22.99		
10	QPSK	1	49	22.16	22.31	22.11	23	1
10	QPSK	25	0	21.34	21.46	21.22		
10	QPSK	25	12	21.37	21.34	21.36		
10	QPSK	25	25	21.10	21.33	21.28	23	1
10	QPSK	50	0	21.84	22.05	21.99		
10	16QAM	1	0	22.07	22.11	22.09		
10	16QAM	1	25	22.10	22.16	22.13	23	1
10	16QAM	1	49	22.09	22.11	22.11		
10	16QAM	25	0	20.58	20.79	20.70	22	2
10	16QAM	25	12	20.58	20.71	20.67		
10	16QAM	25	25	20.44	20.63	20.66		
Channel 24700								
Frequency (MHz)								
5	QPSK	1	0	22.50	22.44	22.11	24	0
5	QPSK	1	12	22.14	22.21	22.08		
5	QPSK	1	24	22.15	22.15	22.12	23	1
5	QPSK	12	0	21.38	21.49	21.33		
5	QPSK	12	7	21.58	21.40	21.26		
5	QPSK	12	14	21.59	21.29	21.33	23	1
5	QPSK	25	0	22.07	22.08	22.09		
5	16QAM	1	0	22.13	22.09	22.14		
5	16QAM	1	12	21.97	22.02	22.14	23	1
5	16QAM	1	24	22.07	22.29	22.09		
5	16QAM	12	0	20.69	20.84	20.65	22	2
5	16QAM	12	7	20.71	20.95	20.90		
5	16QAM	12	14	20.62	20.81	20.62		
Channel 24750								
Frequency (MHz)								
3	QPSK	1	0	22.42	22.45	22.14	24	0
3	QPSK	1	8	22.28	22.41	22.24		
3	QPSK	1	14	22.26	22.38	22.00	23	1
3	QPSK	8	0	21.41	21.62	21.33		
3	QPSK	8	4	21.48	21.44	21.33		
3	QPSK	8	7	21.40	21.49	21.39	23	1
3	QPSK	15	0	22.11	22.06	22.06		
3	16QAM	1	0	22.14	22.08	22.13		
3	16QAM	1	8	22.11	22.16	22.16	23	1
3	16QAM	1	14	22.01	22.07	21.95		
3	16QAM	8	0	20.68	20.84	20.85	22	2
3	16QAM	8	4	20.75	20.78	20.69		
3	16QAM	8	7	20.64	20.62	20.63		
Channel 24800								
Frequency (MHz)								
1.4	QPSK	1	0	22.54	22.54	22.18	24	0
1.4	QPSK	1	3	22.24	22.36	22.20		
1.4	QPSK	1	6	22.14	22.28	22.11	23	1
1.4	QPSK	3	0	22.56	22.44	22.22		
1.4	QPSK	3	1	22.14	22.32	22.18		
1.4	QPSK	3	3	22.13	22.16	22.11	23	1
1.4	QPSK	6	0	22.05	22.07	21.91		
1.4	16QAM	1	0	22.20	22.08	22.00		
1.4	16QAM	1	3	22.04	22.03	22.07	23	1
1.4	16QAM	1	6	21.91	22.15	21.99		
1.4	16QAM	3	0	22.13	22.15	22.02	22	2
1.4	16QAM	3	1	22.08	22.07	22.20		
1.4	16QAM	3	3	21.92	22.19	21.99		
1.4	16QAM	6	0	20.71	20.81	20.81	22	2



LTE Band 66 Ant 1

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	16.54	16.77	16.48	18	0		
20	QPSK	1	49	16.55	16.72	16.50				
20	QPSK	1	99	16.50	16.71	16.49				
20	QPSK	50	0	16.50	16.74	16.43				
20	QPSK	50	24	16.49	16.66	16.54				
20	QPSK	50	50	16.59	16.65	16.45				
20	QPSK	100	0	16.55	16.72	16.43	18	0		
20	16QAM	1	0	16.57	16.65	16.48				
20	16QAM	1	49	16.55	16.77	16.51				
20	16QAM	1	99	16.58	16.67	16.40				
20	16QAM	50	0	16.49	16.69	16.44				
20	16QAM	50	24	16.58	16.69	16.47				
20	16QAM	50	50	16.55	16.74	16.47	18	0		
20	16QAM	100	0	16.61	16.72	16.64				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.38	16.65	16.36			18	0
15	QPSK	1	37	16.48	16.64	16.30				
15	QPSK	1	74	16.49	16.69	16.35				
15	QPSK	36	0	16.34	16.61	16.31				
15	QPSK	36	20	16.44	16.54	16.45				
15	QPSK	36	39	16.51	16.55	16.30				
15	QPSK	75	0	16.46	16.63	16.31	18	0		
15	16QAM	1	0	16.54	16.62	16.37				
15	16QAM	1	37	16.50	16.63	16.36				
15	16QAM	1	74	16.52	16.52	16.29				
15	16QAM	36	0	16.45	16.59	16.29				
15	16QAM	36	20	16.45	16.65	16.34				
15	16QAM	36	39	16.42	16.58	16.38	18	0		
15	16QAM	75	0	16.57	16.55	16.49				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.43	16.62	16.42			18	0
10	QPSK	1	25	16.39	16.70	16.38				
10	QPSK	1	49	16.43	16.73	16.39				
10	QPSK	25	0	16.35	16.67	16.39				
10	QPSK	25	12	16.40	16.59	16.41				
10	QPSK	25	25	16.41	16.60	16.38				
10	QPSK	50	0	16.51	16.62	16.34	18	0		
10	16QAM	1	0	16.45	16.61	16.41				
10	16QAM	1	25	16.50	16.67	16.40				
10	16QAM	1	49	16.49	16.63	16.29				
10	16QAM	25	0	16.41	16.61	16.41				
10	16QAM	25	12	16.42	16.55	16.42				
10	16QAM	25	25	16.47	16.64	16.34	18	0		
10	16QAM	50	0	16.38	16.60	16.39				
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.23	17.45	17.73			18	0
5	QPSK	1	12	16.42	16.65	16.46				
5	QPSK	11	24	16.47	16.72	16.44				
5	QPSK	12	0	16.33	16.64	16.27				
5	QPSK	12	7	16.39	16.53	16.41				
5	QPSK	12	13	16.43	16.61	16.31				
5	QPSK	25	0	16.45	16.71	16.34	18	0		
5	16QAM	1	0	16.44	16.59	16.37				
5	16QAM	1	12	16.43	16.69	16.32				
5	16QAM	1	24	16.50	16.54	16.34				
5	16QAM	12	0	16.39	16.55	16.33				
5	16QAM	12	7	16.44	16.53	16.34				
5	16QAM	12	13	16.49	16.65	16.44	18	0		
5	16QAM	25	0	16.48	16.67	16.49				
Channel										
Frequency (MHz)										
3	QPSK	1	0	17.11.5	17.45	17.78.5			18	0
3	QPSK	1	6	16.46	16.61	16.37				
3	QPSK	1	14	16.59	16.66	16.36				
3	QPSK	6	0	16.42	16.54	16.40				
3	QPSK	6	4	16.40	16.55	16.43				
3	QPSK	6	7	16.50	16.53	16.40				
3	QPSK	15	0	16.44	16.63	16.27	18	0		
3	16QAM	1	0	16.51	16.59	16.38				
3	16QAM	1	6	16.50	16.69	16.39				
3	16QAM	1	14	16.43	16.61	16.33				
3	16QAM	6	0	16.37	16.58	16.35				
3	16QAM	6	4	16.47	16.61	16.37				
3	16QAM	6	7	16.41	16.56	16.43	18	0		
3	16QAM	15	0	16.42	16.67	16.40				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.42	16.69	16.37			18	0
1.4	QPSK	1	3	16.40	16.66	16.34				
1.4	QPSK	1	5	16.49	16.74	16.40				
1.4	QPSK	3	0	16.47	16.60	16.30				
1.4	QPSK	3	1	16.41	16.57	16.31				
1.4	QPSK	3	3	16.42	16.53	16.32				
1.4	QPSK	6	0	16.43	16.69	16.38	18	0		
1.4	16QAM	1	0	16.53	16.55	16.34				
1.4	16QAM	1	3	16.44	16.71	16.47				
1.4	16QAM	1	5	16.46	16.63	16.31				
1.4	16QAM	3	0	16.34	16.63	16.35				
1.4	16QAM	3	1	16.45	16.52	16.43				
1.4	16QAM	3	3	16.43	16.60	16.43	18	0		
1.4	16QAM	6	0	16.44	16.65	16.37				

LTE Band 38 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	12.73	13.05	12.73	14	0
20	QPSK	1	49	12.70	12.92	12.72		
20	QPSK	1	99	12.64	12.85	12.82		
20	QPSK	50	0	12.69	13.04	12.80	14	0
20	QPSK	50	24	12.66	12.95	12.72		
20	QPSK	50	50	12.71	13.03	12.82		
20	QPSK	100	0	12.70	13.03	12.82	14	0
20	16QAM	1	0	12.73	12.98	12.77		
20	16QAM	1	49	12.74	12.93	12.75		
20	16QAM	1	99	12.67	12.96	12.79	14	0
20	16QAM	50	0	12.70	12.93	12.79		
20	16QAM	50	24	12.76	13.00	12.75		
20	16QAM	50	50	12.66	12.97	12.82	14	0
20	16QAM	100	0	12.71	13.00	12.81		
20	16QAM	100	0	12.71	13.00	12.81		
Channel				37850	38000	38150	Tune-up limit	MPR
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)
15	QPSK	1	0	12.59	12.89	12.68	14	0
15	QPSK	1	37	12.55	12.88	12.64		
15	QPSK	1	74	12.58	12.92	12.76		
15	QPSK	36	0	12.64	12.94	12.67	14	0
15	QPSK	36	20	12.57	12.91	12.67		
15	QPSK	36	39	12.66	12.97	12.62		
15	QPSK	15	0	12.67	12.94	12.68	14	0
15	16QAM	1	0	12.70	12.95	12.62		
15	16QAM	1	37	12.66	12.85	12.71		
15	16QAM	1	74	12.59	12.83	12.64	14	0
15	16QAM	36	0	12.66	12.86	12.69		
15	16QAM	36	20	12.67	12.85	12.62		
15	16QAM	36	39	12.62	12.93	12.68	14	0
15	16QAM	75	0	12.61	12.91	12.66		
15	16QAM	75	0	12.61	12.91	12.66		
Channel				37850	38000	38150	Tune-up limit	MPR
Frequency (MHz)				2575	2595	2615	(dBm)	(dB)
10	QPSK	1	0	12.58	12.89	12.63	14	0
10	QPSK	1	25	12.61	12.88	12.60		
10	QPSK	1	49	12.53	12.83	12.67		
10	QPSK	25	0	12.60	12.92	12.76	14	0
10	QPSK	25	12	12.63	12.88	12.58		
10	QPSK	25	25	12.63	12.91	12.56		
10	QPSK	50	0	12.65	12.86	12.73	14	0
10	16QAM	1	0	12.64	12.84	12.63		
10	16QAM	1	25	12.63	12.79	12.67		
10	16QAM	1	49	12.61	12.87	12.62	14	0
10	16QAM	25	0	12.61	12.78	12.64		
10	16QAM	25	12	12.64	12.90	12.71		
10	16QAM	25	25	12.63	12.90	12.77	14	0
10	16QAM	50	0	12.57	12.90	12.67		
10	16QAM	50	0	12.57	12.90	12.67		
Channel				3777.5	38000	38225	Tune-up limit	MPR
Frequency (MHz)				2572.5	2595	2617.5	(dBm)	(dB)
5	QPSK	1	0	12.67	12.88	12.64	14	0
5	QPSK	1	12	12.66	12.77	12.55		
5	QPSK	1	24	12.58	12.80	12.70		
5	QPSK	12	0	12.53	12.92	12.77	14	0
5	QPSK	12	7	12.61	12.79	12.64		
5	QPSK	12	13	12.61	12.88	12.63		
5	QPSK	25	0	12.56	12.86	12.69	14	0
5	16QAM	1	0	12.64	12.88	12.70		
5	16QAM	1	12	12.66	12.86	12.58		
5	16QAM	1	24	12.61	12.85	12.64	14	0
5	16QAM	12	0	12.65	12.84	12.62		
5	16QAM	12	7	12.67	12.92	12.71		
5	16QAM	12	13	12.56	12.89	12.73	14	0
5	16QAM	25	0	12.56	12.92	12.67		
5	16QAM	25	0	12.56	12.92	12.67		



<2.4GHz WLAN>

Ant 5			Full Power		Head&Bodyworn&Extremity		Hotspot		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	16.76	18.00	16.76	18.00	16.76	18.00	98.01
	6	2437	15.64	17.50	15.64	17.50	15.64	17.50	
	11	2462	15.21	17.00	15.21	17.00	15.21	17.00	
802.11g 6Mbps	1	2412	13.41	15.00	13.41	15.00	13.41	15.00	88.68
	2	2417	19.83	21.50	19.83	21.50	16.22	18.00	
	6	2437	19.18	20.50	19.18	20.50	16.05	17.50	
	10	2457	20.30	22.00	19.36	21.00	16.25	18.00	
802.11n-HT20 MCS0	11	2462	12.72	14.50	12.72	14.50	14.50	14.50	82.81
	1	2412	12.56	14.50	Not Requested	14.50	Not Requested	14.50	
	2	2417	19.34	21.00	Not Requested	21.00	Not Requested	18.00	
	6	2437	19.36	20.50	Not Requested	20.50	Not Requested	17.50	
10	2457	20.63	22.00	Not Requested	22.00	Not Requested	18.00		
11	2462	12.88	14.50	Not Requested	14.50	Not Requested	14.50		

<5.2GHz WLAN>

Ant 5			Full Power		Head		Body-worn&Extremity		Hotspot		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180	17.29	19.00	15.42	17.00	12.64	14.50	9.77	11.50	89.10
	40	5200	18.42	20.00	15.49	17.00	12.79	14.50	9.90	11.50	
	44	5220	18.48	20.00	15.63	17.00	12.88	14.50	9.95	11.50	
802.11n-HT20 MCS0	48	5240	18.05	20.00	15.47	17.00	12.71	14.50	9.83	11.50	86.81
	36	5180	16.57	18.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
	40	5200	18.48	20.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
	44	5220	18.45	20.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
802.11ac-VHT20 MCS0	48	5240	18.22	20.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	87.43
	36	5180	16.50	18.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
	40	5200	17.65	19.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
	44	5220	17.69	19.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
48	5240	17.35	19.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50		

<5.3GHz WLAN>

Ant 5			Full Power		Head		Body-worn&Extremity		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	17.95	19.50	15.79	17.00	12.99	14.50	89.10
	56	5280	17.91	19.50	15.78	17.00	12.93	14.50	
	60	5300	18.17	20.00	15.83	17.00	13.09	14.50	
	64	5320	18.02	20.00	15.81	17.00	13.05	14.50	
802.11n-HT20 MCS0	52	5260	18.12	20.00	Not Requested	17.00	Not Requested	14.50	86.81
	56	5280	18.08	20.00	Not Requested	17.00	Not Requested	14.50	
	60	5300	18.10	20.00	Not Requested	17.00	Not Requested	14.50	
	64	5320	18.18	20.00	Not Requested	17.00	Not Requested	14.50	
802.11ac-VHT20 MCS0	52	5260	17.33	19.00	Not Requested	17.00	Not Requested	14.50	87.43
	56	5280	17.21	19.00	Not Requested	17.00	Not Requested	14.50	
	60	5300	17.39	19.00	Not Requested	17.00	Not Requested	14.50	
	64	5320	17.30	19.00	Not Requested	17.00	Not Requested	14.50	

<5.5GHz WLAN>

Ant 5			Full Power		Head		Body-worn&Extremity		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	18.01	19.50	15.15	16.50	12.54	14.50	89.10
	116	5580	18.33	20.00	15.59	16.50	12.65	14.50	
	124	5620	18.47	20.00	15.49	16.50	12.59	14.50	
	132	5660	18.51	20.00	15.51	16.50	12.51	14.50	
802.11n-HT20 MCS0	140	5700	17.31	19.00	15.18	16.50	12.63	14.50	86.81
	100	5500	17.15	19.00	Not Requested	16.50	Not Requested	14.50	
	116	5580	18.58	20.00	Not Requested	16.50	Not Requested	14.50	
	124	5620	18.54	20.00	Not Requested	16.50	Not Requested	14.50	
802.11ac-VHT20 MCS0	132	5660	18.50	20.00	Not Requested	16.50	Not Requested	14.50	87.43
	140	5700	18.52	20.00	Not Requested	16.50	Not Requested	14.50	
	100	5500	17.07	18.50	Not Requested	16.50	Not Requested	14.50	
	116	5580	17.67	19.50	Not Requested	16.50	Not Requested	14.50	
124	5620	17.63	19.50	Not Requested	16.50	Not Requested	14.50		
132	5660	17.61	19.50	Not Requested	16.50	Not Requested	14.50		
140	5700	16.43	18.00	Not Requested	16.50	Not Requested	14.50		

<5.8GHz WLAN>

Ant 5			Full Power		Head		Body-worn&Extremity		Hotspot		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	17.86	19.50	14.18	16.00	9.11	11.00	7.55	9.50	89.10
	157	5785	18.25	20.00	14.27	16.00	9.22	11.00	7.67	9.50	
	165	5825	18.03	20.00	14.06	16.00	9.21	11.00	7.51	9.50	
802.11n-HT20 MCS0	149	5745	17.96	19.50	Not Requested	16.00	Not Requested	11.00	Not Requested	9.50	86.81
	157	5785	18.39	20.00	Not Requested	16.00	Not Requested	11.00	Not Requested	9.50	
	165	5825	18.20	20.00	Not Requested	16.00	Not Requested	11.00	Not Requested	9.50	
	149	5745	17.09	19.00	Not Requested	16.00	Not Requested	11.00	Not Requested	9.50	
802.11ac-VHT20 MCS0	157	5785	17.53	19.00	Not Requested	16.00	Not Requested	11.00	Not Requested	9.50	87.43
	165	5825	17.34	19.00	Not Requested	16.00	Not Requested	11.00	Not Requested	9.50	
	165	5825	17.34	19.00	Not Requested	16.00	Not Requested	11.00	Not Requested	9.50	



<Bluetooth>			Ant 5			
Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	0.31	7.14	7.09	10.50
	CH 39	2441	7.06	6.09	6.01	9.00
	CH 78	2480	7.41	6.05	6.13	9.00

BT 4.0			Ant 5	
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			CRS4c	CRS4d
LE	CH 00	2402	0.71	
	CH 19	2440	-0.77	
	CH 39	2480	-1.69	
Tune-up Limit			1.5	

BT 5.0			Ant 5	
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			2Mbps	3Mbps
LE	CH 01	2404	0.25	
	CH 19	2440	-0.64	
	CH 38	2478	-1.40	
Tune-up Limit			1.50	