

<GSM>

	Burst-Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	128	189	251		128	189	251	
GSM 850 Ant 0								
TX Channel	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
Frequency (MHz)								
GPRS 3 Tx slots	26.68	26.70	26.70	28.00	22.42	22.53	22.44	23.74

	Burst-Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	512	661	810		512	661	810	
GSM 1900 Ant 1								
TX Channel	1850.2	1860	1909.8	(dBm)	1850.2	1860	1909.8	(dBm)
Frequency (MHz)								
GPRS 4 Tx slots	22.04	22.15	22.03	23.50	19.04	19.15	19.03	20.50

<WCDMA>

Band		WCDMA II Art.1			Tune-up Limit (dBm)	WCDMA IV Art.1			Tune-up Limit (dBm)	WCDMA V Art.0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9692	9800	9938		1637	1638	1738		4353	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	19.28	19.42	19.38	21.00	20.08	20.18	20.11	21.00	23.00	23.15	23.15	24.50
3GPP Rel 99	RMC 12.2Kbps	19.40	19.45	19.43	21.00	20.12	20.22	20.15	21.00	22.02	23.17	23.11	24.50
3GPP Rel 6	HSDPA Subtest-1	18.66	18.80	18.74	20.00	19.34	19.35	19.29	20.00	21.10	22.25	22.01	23.50
3GPP Rel 6	HSDPA Subtest-2	18.65	18.69	18.52	20.00	19.34	19.25	19.07	20.00	21.10	22.29	22.03	23.50
3GPP Rel 6	HSDPA Subtest-3	18.12	18.23	18.20	19.50	18.82	18.87	18.81	19.50	20.58	21.64	21.66	23.00
3GPP Rel 6	HSDPA Subtest-4	18.23	18.31	18.12	19.50	18.78	18.80	18.66	19.50	20.45	21.61	21.62	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.70	18.89	18.62	20.00	19.21	19.56	19.16	20.00	20.94	22.24	22.07	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.59	18.64	18.61	20.00	19.09	19.15	19.25	20.00	21.11	22.16	22.16	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.11	18.28	18.20	19.50	18.69	18.81	18.77	19.50	20.55	21.72	21.72	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.16	18.37	18.15	19.50	18.79	18.95	18.75	19.50	20.59	21.74	21.69	23.00
3GPP Rel 6	HSPA Subtest-1	18.63	18.68	18.63	20.00	19.25	19.36	19.15	20.00	20.82	22.06	22.16	23.50
3GPP Rel 6	HSPA Subtest-2	16.63	16.63	16.50	18.00	17.14	17.19	17.05	18.00	19.62	20.12	20.05	21.50
3GPP Rel 6	HSPA Subtest-3	17.66	17.78	17.56	19.00	18.23	18.41	18.27	19.00	20.03	21.19	21.15	22.50
3GPP Rel 6	HSPA Subtest-4	16.70	16.76	16.66	18.00	17.38	17.33	17.26	18.00	19.10	20.14	20.18	21.50
3GPP Rel 6	HSPA Subtest-5	18.78	18.71	18.56	20.00	19.37	19.27	19.20	20.00	21.11	22.05	22.05	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.11	16.31	16.28	17.50	16.78	16.87	16.92	17.50	18.61	18.69	18.63	21.00

LTE Band 5 Ant 0								
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				20450	20525	20600	24.5	0
Frequency (MHz)				109	836.5	844		
10	QPSK	1	0	22.97	23.12	23.04		
10	QPSK	1	25	22.75	22.89	23.09		
10	QPSK	1	45	22.92	22.92	22.84		
10	QPSK	25	0	22.24	22.28	22.19	23.5	1
10	QPSK	25	12	22.28	22.20	22.23		
10	QPSK	25	25	22.04	22.16	22.20		
10	QPSK	50	0	22.28	22.36	22.16		

LTE Band 12 Ant 0								
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				23060	23095	23130	24	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.83	23.02	22.95		
10	QPSK	1	25	22.82	22.91	22.90		
10	QPSK	1	45	22.85	22.96	22.98		
10	QPSK	25	0	21.76	22.12	21.91	23	1
10	QPSK	25	12	21.91	21.93	21.93		
10	QPSK	25	25	21.61	21.80	21.85		
10	QPSK	50	0	22.03	22.15	22.09		

LTE Band 2 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq 18800	Power Middle Ch. Freq 19000	Power High Ch. Freq 19100	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	18.50	18.59	18.54	20	0
20	QPSK	1	49	18.39	18.53	18.42		
20	QPSK	1	99	18.39	18.52	18.54		
20	QPSK	50	0	18.49	18.55	18.49		
20	QPSK	50	24	18.51	18.51	18.42	20	0
20	QPSK	50	50	18.47	18.53	18.53		
20	QPSK	100	0	18.41	18.47	18.30		
20	16QAM	1	0	18.36	18.57	18.39		
20	16QAM	1	49	18.24	18.46	18.31	20	0
20	16QAM	1	99	18.34	18.33	18.37		
20	16QAM	50	0	18.31	18.44	18.43		
20	16QAM	50	24	18.31	18.49	18.31		
20	16QAM	50	50	18.36	18.47	18.47	20	0
20	16QAM	100	0	18.30	18.44	18.29		
20	64QAM	1	0	18.35	18.45	18.45		
20	64QAM	1	49	18.27	18.41	18.42		
20	64QAM	1	99	18.27	18.53	18.34	20	0
20	64QAM	50	0	18.48	18.56	18.50		
20	64QAM	50	24	18.36	18.32	18.26		
20	64QAM	50	50	18.47	18.36	18.46		
20	64QAM	100	0	18.26	18.27	18.17	20	0
Channel								
Frequency (MHz)								
15	QPSK	1	0	18.675	18.600	19.125	20	MPR (dB)
15	QPSK	1	37	18.43	18.50	18.51		
15	QPSK	1	74	18.29	18.44	18.46		
15	QPSK	36	0	18.48	18.35	18.39		
15	QPSK	36	20	18.40	18.44	18.30	20	0
15	QPSK	36	39	18.40	18.55	18.39		
15	QPSK	75	0	18.30	18.45	18.27		
15	16QAM	1	0	18.37	18.39	18.21		
15	16QAM	1	37	18.11	18.30	18.18	20	0
15	16QAM	1	74	18.36	18.29	18.24		
15	16QAM	36	0	18.20	18.41	18.37		
15	16QAM	36	20	18.28	18.36	18.22		
15	16QAM	36	39	18.18	18.44	18.44	20	0
15	16QAM	75	0	18.17	18.37	18.08		
15	64QAM	1	0	18.20	18.37	18.28		
15	64QAM	1	37	18.19	18.31	18.32		
15	64QAM	1	74	18.08	18.53	18.16	20	0
15	64QAM	36	0	18.40	18.45	18.45		
15	64QAM	36	20	18.26	18.13	18.16		
15	64QAM	36	39	18.46	18.18	18.31		
15	64QAM	75	0	18.10	18.05	18.19	20	0
Channel								
Frequency (MHz)								
10	QPSK	1	0	18.650	18.600	19.150	20	MPR (dB)
10	QPSK	1	25	18.42	18.48	18.44		
10	QPSK	1	49	18.24	18.36	18.33		
10	QPSK	25	0	18.42	18.38	18.47		
10	QPSK	25	12	18.29	18.48	18.32	20	0
10	QPSK	25	25	18.43	18.36	18.45		
10	QPSK	50	0	18.35	18.48	18.22		
10	16QAM	1	0	18.28	18.53	18.28		
10	16QAM	1	25	18.22	18.47	18.12	20	0
10	16QAM	49	0	18.24	18.21	18.36		
10	16QAM	25	0	18.28	18.24	18.27		
10	16QAM	25	12	18.20	18.39	18.32		
10	16QAM	25	25	18.28	18.44	18.29	20	0
10	16QAM	50	0	18.27	18.42	18.28		
10	64QAM	1	0	18.34	18.42	18.42		
10	64QAM	1	25	18.23	18.41	18.31		
10	64QAM	1	49	18.22	18.36	18.18	20	0
10	64QAM	25	0	18.48	18.44	18.44		
10	64QAM	25	12	18.17	18.16	18.20		
10	64QAM	25	25	18.28	18.35	18.31		
10	64QAM	50	0	18.23	18.06	18.15	20	0
Channel								
Frequency (MHz)								
5	QPSK	1	0	18.625	18.600	19.175	20	MPR (dB)
5	QPSK	1	12	18.20	18.40	18.30		
5	QPSK	1	24	18.26	18.46	18.36		
5	QPSK	12	0	18.43	18.47	18.43		
5	QPSK	12	7	18.31	18.47	18.32	20	0
5	QPSK	12	13	18.31	18.53	18.55		
5	QPSK	25	0	18.21	18.41	18.10		
5	16QAM	1	0	18.35	18.50	18.31		
5	16QAM	1	12	18.08	18.37	18.20	20	0
5	16QAM	24	0	18.32	18.36	18.34		
5	16QAM	12	0	18.12	18.26	18.29		
5	16QAM	12	7	18.28	18.48	18.22		
5	16QAM	12	13	18.24	18.28	18.32	20	0
5	16QAM	25	0	18.22	18.37	18.13		
5	64QAM	1	0	18.22	18.45	18.31		
5	64QAM	1	12	18.06	18.25	18.24		
5	64QAM	1	24	18.22	18.55	18.14	20	0
5	64QAM	12	0	18.49	18.41	18.51		
5	64QAM	12	7	18.18	18.13	18.08		
5	64QAM	12	13	18.40	18.14	18.34		
5	64QAM	25	0	18.07	18.27	18.10	20	0
Channel								
Frequency (MHz)								
3	QPSK	1	0	18.615	18.600	19.005	20	0
3	QPSK	1	8	18.43	18.38	18.38		
3	QPSK	1	14	18.14	18.50	18.39		
3	QPSK	8	0	18.47	18.51	18.41		
3	QPSK	4	0	18.33	18.44	18.41	20	0
3	QPSK	8	7	18.42	18.50	18.50		
3	QPSK	15	0	18.41	18.45	18.31		
3	16QAM	1	0	18.36	18.36	18.22		
3	16QAM	1	8	18.11	18.46	18.25	20	0
3	16QAM	1	14	18.34	18.22	18.25		
3	16QAM	8	0	18.26	18.32	18.35		
3	16QAM	8	4	18.27	18.42	18.29		
3	16QAM	7	0	18.27	18.36	18.45	20	0
3	16QAM	15	0	18.25	18.42	18.25		
3	64QAM	1	0	18.18	18.29	18.26		
3	64QAM	1	8	18.22	18.29	18.23		
3	64QAM	1	14	18.13	18.41	18.25	20	0
3	64QAM	8	0	18.46	18.45	18.52		
3	64QAM	8	4	18.30	18.15	18.17		
3	64QAM	8	7	18.45	18.33	18.25		
3	64QAM	15	0	18.20	18.22	18.07	20	0
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	18.600	18.600	19.000	20	0
1.4	QPSK	1	5	18.39	18.44	18.45		
1.4	QPSK	1	3	18.32	18.36	18.36		
1.4	QPSK	1	5	18.23	18.53	18.38		
1.4	QPSK	3	0	18.46	18.35	18.38	20	0
1.4	QPSK	3	1	18.34	18.32	18.42		
1.4	QPSK	3	3	18.32	18.37	18.48		
1.4	QPSK	6	0	18.42	18.36	18.25		
1.4	16QAM	1	0	18.16	18.54	18.37	20	0
1.4	16QAM	1	3	18.05	18.38	18.27		
1.4	16QAM	1	5	18.25	18.18	18.35		
1.4	16QAM	3	0	18.18	18.42	18.40		
1.4	16QAM	3	3	18.24	18.39	18.46	20	0
1.4	16QAM	6	0	18.10	18.30	18.22		
1.4	64QAM	1	0	18.19	18.47	18.37		
1.4	64QAM	1	3	18.17	18.35	18.43		
1.4	64QAM	1	5	18.26	18.53	18.25	20	0
1.4	64QAM	3	0	18.34	18.47	18.45		
1.4	64QAM	3	1	18.21	18.45	18.37		
1.4	64QAM	3	3	18.37	18.50	18.41		
1.4	64QAM	6	0	18.51	18.42	18.38	20	0
Channel								

LTE Band 4 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq 20050	Power Middle Ch / Freq 20175	Power High Ch / Freq 20300	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	50	1	18.38	18.54	18.45	20	0		
20	QPSK	1	49	18.35	18.36	18.31				
20	QPSK	1	99	18.25	18.39	18.42				
20	QPSK	50	0	18.42	18.43	18.29				
20	QPSK	50	24	18.23	18.24	18.28	20	0		
20	QPSK	50	50	18.41	18.40	18.42				
20	QPSK	100	0	18.39	18.40	18.13				
20	16QAM	1	0	18.27	18.51	18.26				
20	16QAM	1	49	18.20	18.34	18.19	20	0		
20	16QAM	1	99	18.21	18.38	18.34				
20	16QAM	50	0	18.19	18.50	18.35				
20	16QAM	50	24	18.25	18.24	18.10				
20	16QAM	50	50	18.24	18.29	18.32	20	0		
20	16QAM	100	0	18.20	18.34	18.36				
20	16QAM	1	0	18.36	18.27	18.20				
20	16QAM	1	49	18.22	18.29	18.27				
20	64QAM	1	99	18.18	18.21	18.23	20	0		
20	64QAM	50	0	18.48	18.43	18.16				
20	64QAM	50	24	18.38	18.43	18.32				
20	64QAM	50	50	18.24	18.24	18.30				
20	64QAM	100	0	18.18	18.18	18.43	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	36	1	18.22	18.25	18.27			20	0
15	QPSK	1	37	18.24	18.34	18.16				
15	QPSK	1	74	18.05	18.30	18.32				
15	QPSK	36	0	18.42	18.24	18.12				
15	QPSK	36	20	18.11	18.24	18.53	20	0		
15	QPSK	36	39	18.27	18.21	18.33				
15	QPSK	75	0	18.22	18.21	18.33				
15	16QAM	1	0	18.07	18.36	18.35				
15	16QAM	1	37	18.02	18.20	18.09	20	0		
15	16QAM	1	74	18.03	18.36	18.23				
15	16QAM	36	0	18.14	18.27	18.25				
15	16QAM	36	20	18.10	18.23	18.42				
15	16QAM	36	39	18.19	18.09	18.18	20	0		
15	16QAM	75	0	18.13	18.21	18.23				
15	64QAM	1	0	18.12	18.28	18.19				
15	64QAM	1	37	18.14	18.19	18.22				
15	64QAM	1	74	18.11	18.05	18.16	20	0		
15	64QAM	36	0	18.23	18.23	18.13				
15	64QAM	36	20	18.39	18.39	18.22				
15	64QAM	36	39	18.21	18.19	18.21				
15	64QAM	75	0	18.02	18.09	18.38	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	25	1	18.13	18.40	18.35			20	0
10	QPSK	1	25	18.37	18.24	18.22				
10	QPSK	1	49	18.07	18.24	18.39				
10	QPSK	25	0	18.27	18.27	18.14				
10	QPSK	25	12	18.24	18.22	18.46	20	0		
10	QPSK	25	25	18.43	18.25	18.38				
10	QPSK	50	0	18.15	18.22	18.18				
10	16QAM	1	0	18.19	18.40	18.45				
10	16QAM	1	25	18.43	18.12	18.08	20	0		
10	16QAM	1	49	18.05	18.20	18.23				
10	16QAM	25	0	18.30	18.35	18.32				
10	16QAM	25	12	18.25	18.15	18.34				
10	16QAM	25	25	18.50	18.11	18.15	20	0		
10	16QAM	50	0	18.35	18.14	18.25				
10	64QAM	1	0	18.17	18.11	18.05				
10	64QAM	1	25	18.17	18.18	18.10				
10	64QAM	1	49	18.05	18.12	18.20	20	0		
10	64QAM	25	0	18.23	18.31	18.11				
10	64QAM	25	12	18.30	18.44	18.31				
10	64QAM	25	25	18.21	18.23	18.10				
10	64QAM	50	0	18.04	18.09	18.21	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.24	18.45	18.23			20	0
5	QPSK	1	12	18.30	18.39	18.25				
5	QPSK	1	24	18.07	18.22	18.42				
5	QPSK	12	0	18.35	18.24	18.24				
5	QPSK	12	7	18.22	18.09	18.14	20	0		
5	QPSK	12	13	18.21	18.27	18.07				
5	QPSK	25	0	18.32	18.35	18.07				
5	16QAM	1	0	18.15	18.41	18.23				
5	16QAM	1	12	18.21	18.20	18.20	20	0		
5	16QAM	1	24	18.21	18.17	18.45				
5	16QAM	12	0	18.00	18.32	18.32				
5	16QAM	12	7	18.25	18.12	18.19				
5	16QAM	12	13	18.24	18.15	18.38	20	0		
5	16QAM	25	0	18.11	18.26	18.21				
5	64QAM	1	0	18.25	18.35	18.43				
5	64QAM	1	12	18.06	18.28	18.27				
5	64QAM	1	24	18.08	18.20	18.51	20	0		
5	64QAM	12	0	18.16	18.44	18.16				
5	64QAM	12	7	18.26	18.27	18.30				
5	64QAM	12	13	18.17	18.03	18.32				
5	64QAM	25	0	18.09	18.02	18.23	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.16	18.49	18.37			20	0
3	QPSK	1	8	18.15	18.24	18.26				
3	QPSK	1	14	18.09	18.37	18.30				
3	QPSK	8	0	18.31	18.43	18.17				
3	QPSK	8	4	18.13	18.15	18.16	20	0		
3	QPSK	8	7	18.41	18.26	18.26				
3	QPSK	15	0	18.39	18.35	18.07				
3	16QAM	1	0	18.06	18.47	18.05				
3	16QAM	1	10.99	18.15	18.38	18.34	20	0		
3	16QAM	1	14	18.23	18.23	18.17				
3	16QAM	8	0	18.47	18.43	18.20				
3	16QAM	8	10.31	18.25	18.25	18.23				
3	16QAM	8	7	18.35	18.10	18.20	20	0		
3	16QAM	15	0	18.33	18.16	18.35				
3	64QAM	1	0	18.36	18.28	18.23				
3	64QAM	1	8	18.33	18.08	18.49				
3	64QAM	1	14	18.23	18.08	18.18	20	0		
3	64QAM	8	0	18.31	18.29	18.04				
3	64QAM	8	4	18.31	18.27	18.17				
3	64QAM	8	7	18.48	18.05	18.15				
3	64QAM	15	0	18.24	18.00	18.43	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.07	18.25	18.43			20	0
1.4	QPSK	1	3	18.12	18.33	18.47				
1.4	QPSK	1	5	18.09	18.22	18.40				
1.4	QPSK	3	0	18.40	18.38	18.37				
1.4	QPSK	3	1	18.19	18.17	18.20	20	0		
1.4	QPSK	3	3	18.37	18.25	18.31				
1.4	QPSK	6	0	18.36	18.30	18.27				
1.4	16QAM	1	0	18.26	18.40	18.52				
1.4	16QAM	1	18.15	18.13	18.28	20	0			
1.4	16QAM	1	5	18.13	18.28			18.50		
1.4	16QAM	3	0	18.34	18.43			18.15		
1.4	16QAM	3	18.15	18.05	18.21					
1.4	16QAM	3	3	18.29	18.08	18.33	20	0		
1.4	16QAM	6	0	18.26	18.12	18.22				
1.4	64QAM	1	0	18.07	18.14	18.31				
1.4	64QAM	1	3	18.30	18.27	18.42				
1.4	64QAM	1	5	18.41	18.17	18.35	20	0		
1.4	64QAM	3	0	18.40	18.40	18.30				
1.4	64QAM	3	1	18.24	18.31	18.22				
1.4	64QAM	6	0	18.03	18.13	18.30				
1.4	64QAM	3	18.08	18.14	18.37	20	0			
1.4	64QAM	3	1	18.08	18.14			18.37		
1.4	64QAM	3	1	18.03	18.31			18.22		
1.4	64QAM	3	1	18.03	18.31			18.30		

LTE Band 41 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				36750	40185	40620	41055	41490	19	0
Frequency (MHz)				2500	26185	2650	2765	2800		
20	QPSK	1	0	17.55	17.55	18.55	17.76	17.79		
20	QPSK	1	49	17.63	17.66	17.71	17.70	17.57		
20	QPSK	1	99	17.62	17.70	17.53	17.86	17.70		
20	QPSK	50	0	17.62	17.54	17.95	17.94	17.80	19	0
20	QPSK	50	24	17.78	17.81	17.78	17.63	17.65		
20	QPSK	50	50	17.93	17.62	17.92	17.66	17.70		
20	QPSK	100	0	17.87	17.77	17.92	17.77	17.75		

LTE Band 42 Ant 0

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				42190	42590	42990	16	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	15.24	15.45	15.15		
20	QPSK	1	49	15.14	15.20	15.16		
20	QPSK	1	99	15.07	15.33	15.27		
20	QPSK	50	0	15.26	15.41	15.17	16	0
20	QPSK	50	24	15.22	15.21	15.04		
20	QPSK	50	50	15.14	15.36	15.09		
20	QPSK	100	0	15.08	15.34	14.99		

LTE Band 38 Ant 0

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	20	0
Frequency (MHz)				2575.5	2595	2612.5		
20	QPSK	1	0	19.02	19.15	19.01	20	0
20	QPSK	1	49	18.96	18.93	18.94		
20	QPSK	1	99	19.00	18.88	19.03		
20	QPSK	50	0	18.98	19.05	19.06		
20	QPSK	50	24	18.90	18.89	18.93		
20	QPSK	50	50	19.02	19.01	18.94	20	0
20	QPSK	100	0	18.90	18.99	18.95		
20	16QAM	1	0	18.97	19.11	19.00		
20	16QAM	1	49	18.80	18.80	18.87		
20	16QAM	1	99	18.87	18.88	18.95		
20	16QAM	50	0	18.76	19.01	19.03	20	0
20	16QAM	50	24	18.68	18.73	18.90		
20	16QAM	50	50	18.84	18.80	18.92		
20	16QAM	100	0	18.70	18.94	18.74		
20	64QAM	1	0	18.83	18.96	18.83		
20	64QAM	1	49	18.82	18.89	18.92	20	0
20	64QAM	1	99	18.82	18.68	18.92		
20	64QAM	50	0	18.91	18.83	19.06		
20	64QAM	50	24	18.71	18.70	18.85		
20	64QAM	50	50	18.84	18.94	18.94		
20	64QAM	100	0	18.86	18.96	18.82	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2577.5	2595	2612.5	20	0
15	QPSK	1	0	18.96	19.06	18.91		
15	QPSK	1	37	18.96	18.83	18.78	20	0
15	QPSK	1	74	18.81	18.78	18.86		
15	QPSK	36	0	18.93	18.86	18.86		
15	QPSK	36	20	18.77	18.73	18.92		
15	QPSK	36	39	19.01	18.83	18.83		
15	QPSK	75	0	18.80	19.01	18.82	20	0
15	16QAM	1	0	18.79	19.07	18.87		
15	16QAM	1	37	18.64	18.59	18.66		
15	16QAM	1	74	18.85	18.79	18.81		
15	16QAM	36	0	18.76	18.85	18.98		
15	16QAM	36	20	18.52	18.69	18.82	20	0
15	16QAM	36	39	18.85	18.74	19.03		
15	16QAM	75	0	18.60	18.78	18.68		
15	64QAM	1	0	18.81	18.78	18.66		
15	64QAM	1	37	18.69	18.91	18.80		
15	64QAM	1	74	18.75	18.63	18.87	20	0
15	64QAM	36	0	18.80	18.85	18.87		
15	64QAM	36	20	18.52	18.55	18.89		
15	64QAM	36	39	18.69	18.69	18.73		
15	64QAM	75	0	18.69	18.92	18.68		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.94	19.08	18.90	20	0
10	QPSK	1	25	18.84	18.77	18.73		
10	QPSK	1	49	18.83	18.74	18.94		
10	QPSK	25	0	18.76	18.84	19.06		
10	QPSK	25	12	18.68	18.74	18.95		
10	QPSK	25	25	18.98	18.82	18.81	20	0
10	QPSK	50	0	18.73	18.85	18.88		
10	16QAM	1	0	18.75	18.97	18.81		
10	16QAM	1	25	18.72	18.72	18.87		
10	16QAM	1	49	18.76	18.74	18.83		
10	16QAM	25	0	18.64	19.03	18.93	20	0
10	16QAM	25	12	18.65	18.52	18.83		
10	16QAM	25	25	18.86	18.63	18.79		
10	16QAM	50	0	18.70	18.91	18.75		
10	64QAM	1	0	18.84	18.75	18.84		
10	64QAM	1	25	18.79	18.82	18.83	20	0
10	64QAM	1	49	18.72	18.63	18.90		
10	64QAM	25	0	18.90	18.73	18.84		
10	64QAM	25	12	18.60	18.59	18.88		
10	64QAM	25	25	18.65	18.84	18.83		
10	64QAM	50	0	18.68	18.86	18.71	Tune-up limit (dBm)	MPR (dB)
Channel				37725	38000	38225		
Frequency (MHz)				2572.5	2595	2617.5	20	0
5	QPSK	1	0	18.89	19.07	18.96		
5	QPSK	1	12	18.91	18.72	18.93	20	0
5	QPSK	1	24	18.92	18.80	18.84		
5	QPSK	12	0	18.83	18.88	18.99		
5	QPSK	12	7	18.80	18.90	18.84		
5	QPSK	12	19	18.94	18.79	18.72		
5	QPSK	25	0	18.89	18.81	18.83	20	0
5	16QAM	1	0	18.75	18.95	18.89		
5	16QAM	1	12	18.80	18.58	18.78		
5	16QAM	1	24	18.87	18.68	18.75		
5	16QAM	12	0	18.83	19.01	18.97		
5	16QAM	12	7	18.68	18.54	18.69	20	0
5	16QAM	12	19	18.85	18.65	18.74		
5	16QAM	25	0	18.84	18.94	18.69		
5	64QAM	1	0	18.70	18.75	18.85		
5	64QAM	1	12	18.62	18.70	18.85		
5	64QAM	1	24	18.72	18.57	18.90	20	0
5	64QAM	12	0	18.70	18.80	18.88		
5	64QAM	12	7	18.51	18.52	18.83		
5	64QAM	12	19	18.86	18.85	18.78		
5	64QAM	25	0	18.73	18.88	18.78		

n41 Ant0								
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				502200	518598	534999		
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	16.88	17.26	16.66	18.5	0.0
30	PI/2 BPSK	1	39	16.83	16.98	16.70		
30	PI/2 BPSK	1	76	16.94	17.04	17.08		
30	PI/2 BPSK	36	0	16.91	17.01	16.86	18.5	0.0
30	PI/2 BPSK	36	16	16.81	17.04	16.86	18.5	0.0
30	PI/2 BPSK	36	39	17.01	16.96	16.77	18.5	0.0
30	PI/2 BPSK	75	0	16.99	17.10	16.88		
30	QPSK	1	1	17.06	17.29	16.87	18.5	0.0
30	QPSK	1	39	16.99	17.03	16.92		
30	QPSK	1	76	17.05	17.06	17.14		
30	QPSK	36	0	16.97	17.18	17.03	18.5	0.0
30	QPSK	36	16	17.03	17.15	17.00	18.5	0.0
30	QPSK	36	39	17.00	17.15	16.94	18.5	0.0
30	QPSK	75	0	17.08	17.12	17.06		
30	16QAM	1	1	16.97	17.21	16.68	18.5	0.0
30	64QAM	1	1	16.87	17.16	16.80	18.5	0.0
30	256QAM	1	1	16.84	17.12	16.86	18.5	0.0
Channel				501204	516598	532999	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.11	17.24	16.88	18.5	0.0

Part270 n77 Ant0								
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				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.43	15.85	15.63	17.0	0.0
100	PI/2 BPSK	1	137	15.46	15.68	15.58		
100	PI/2 BPSK	1	271	15.64	15.67	15.56	17.0	0.0
100	PI/2 BPSK	135	0	15.76	15.72	15.40		
100	PI/2 BPSK	135	69	15.96	15.62	15.63	17.0	0.0
100	PI/2 BPSK	135	138	15.59	15.71	15.50		
100	PI/2 BPSK	270	0	15.45	15.58	15.47	17.0	0.0
100	QPSK	1	1	15.63	15.91	15.63		
100	QPSK	1	137	15.50	15.85	15.73	17.0	0.0
100	QPSK	1	271	15.62	15.79	15.63		
100	QPSK	135	0	15.74	15.70	15.51	17.0	0.0
100	QPSK	135	69	15.60	15.92	15.77		
100	QPSK	135	138	15.61	15.73	15.70	17.0	0.0
100	QPSK	270	0	15.50	15.72	15.57		
100	16QAM	1	1	15.50	15.81	15.49	17.0	0.0
100	64QAM	1	1	15.63	15.72	15.59		
100	256QAM	1	1	15.52	15.83	15.48	17.0	0.0
Channel				649000	650000	664000		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.45	15.78	15.63		
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.65	15.84	15.42	17.0	0.0

Part27Q n77 Ant0								
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				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1		15.67		17.0	0.0
100	PI/2 BPSK	1	137		15.65			
100	PI/2 BPSK	1	271		15.82		17.0	0.0
100	PI/2 BPSK	135	0		15.70			
100	PI/2 BPSK	135	69		15.74		17.0	0.0
100	PI/2 BPSK	135	138		15.71			
100	PI/2 BPSK	270	0		15.84		17.0	0.0
100	QPSK	1	1		15.85			
100	QPSK	1	137		15.71		17.0	0.0
100	QPSK	1	271		15.80			
100	QPSK	135	0		15.72		17.0	0.0
100	QPSK	135	69		15.77			
100	QPSK	135	138		15.72		17.0	0.0
100	QPSK	270	0		15.65			
100	16QAM	1	1		15.74		17.0	0.0
100	64QAM	1	1		15.60			
100	256QAM	1	1		15.66		17.0	0.0
Channel				631134	633332	636332		
Frequency (MHz)				3470.01	3499.98	3529.98	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	15.83	15.63	15.68	17.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	15.78	15.74	15.78	17.0	0.0

Part270 n78 Ant0								
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				650000	650000	650000	17.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		15.69		17.0	0.0
100	PI/2 BPSK	1	137		15.44			
100	PI/2 BPSK	1	271		15.66		17.0	0.0
100	PI/2 BPSK	135	0		15.62			
100	PI/2 BPSK	135	69		15.71		17.0	0.0
100	PI/2 BPSK	135	138		15.46			
100	PI/2 BPSK	270	0		15.54		17.0	0.0
100	QPSK	1	1		15.84			
100	QPSK	1	137		15.62		17.0	0.0
100	QPSK	1	271		15.75			
100	QPSK	135	0		15.80		17.0	0.0
100	QPSK	135	69		15.75			
100	QPSK	135	138		15.65		17.0	0.0
100	QPSK	270	0		15.58			
100	16QAM	1	1		15.78		17.0	0.0
100	64QAM	1	1		15.43			
100	256QAM	1	1		15.55		17.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	15.63	15.62	15.73	17.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.75	15.73	15.65	17.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	15.80	15.76	15.62	17.0	0.0

14.65

15.53

15.36

Part27Q n78 Ant0								
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				633334			17.0	0.0
Frequency (MHz)				3590.01				
100	PI/2 BPSK	1	1		15.80		17.0	0.0
100	PI/2 BPSK	1	137		15.67			
100	PI/2 BPSK	1	271		15.50		17.0	0.0
100	PI/2 BPSK	135	0		15.49			
100	PI/2 BPSK	135	69		15.60		17.0	0.0
100	PI/2 BPSK	135	138		15.42			
100	PI/2 BPSK	270	0		15.70		17.0	0.0
100	QPSK	1	1		15.83			
100	QPSK	1	137		15.68		17.0	0.0
100	QPSK	1	271		15.61			
100	QPSK	135	0		15.58		17.0	0.0
100	QPSK	135	69		15.81			
100	QPSK	135	138		15.55		17.0	0.0
100	QPSK	270	0		15.79			
100	16QAM	1	1		15.77		17.0	0.0
100	64QAM	1	1		15.55			
100	256QAM	1	1		15.51		17.0	0.0
Channel				632668	633334	634000	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				3690.02	3590.01	3510		
80	QPSK	1	1	15.81	15.66	15.79	17.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.63	15.72	15.74	17.0	0.0
Channel				633668	633334	636000	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		15.67	15.70	17.0	0.0

WLAN/Bluetooth Power

<2.4GHz WLAN>

Ant B				Full Power		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	11.42	13.00	100.00
		6	2437	11.17	13.00	
		11	2462	11.26	13.00	

<5.2GHz WLAN>

Ant B				Full Power		
5.2GHz WLAN	802.11n-HT40 MCS0	38	5190	10.54	12.50	95.13
		46	5230	10.61	12.50	

<5.3GHz WLAN>

Ant B				Full Power		
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11n-HT40 MCS0	54	5270	10.61	12.50	95.13
		62	5310	10.54	12.50	

<5.5GHz WLAN>

Ant B				Full Power		
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11n-HT40 MCS0	102	5610	10.52	12.50	95.13
		110	5650	10.51	12.50	
		126	5690	10.60	12.50	
		134	5670	10.70	12.50	
		142	5710	10.67	12.50	

<5.8GHz WLAN>

Ant B				Full Power		
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11n-HT40 MCS0	151	5755	10.64	12.50	95.13
		159	5795	10.54	12.50	

<Bluetooth> Ant 6			
Mode	Channel	Frequency (Mhz)	Average power (dBm)
BR / EDR	CH 00	2402	12.47
	CH 39	2442	12.17
	CH 78	2480	12.83
	Tune-up Limit		14.00