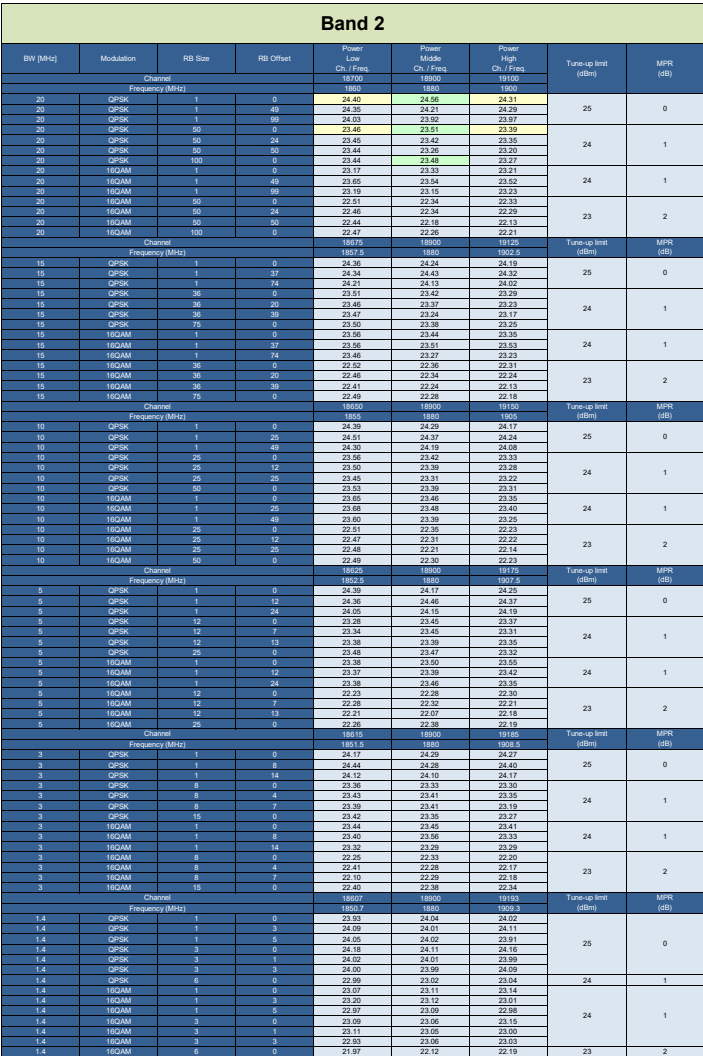


Default Power for WWAN

GSM850	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	TX Channel	128	189	251	128	189	251	
Frequency (MHz)		824.2	836.4	848.8	(dBm)	824.2	836.4	848.8
GSM 1 Tx slot		32.51	32.55	32.49	33.50	23.51	23.55	23.49
GPRS 1 Tx slot		32.54	32.57	32.54	33.50	23.54	23.57	23.54
GPRS 2 Tx slots		31.55	31.56	31.58	32.50	25.55	25.56	25.58
GPRS 3 Tx slots		29.46	29.49	29.52	30.50	25.20	25.23	25.26
GPRS 4 Tx slots		28.33	28.41	28.38	29.50	25.33	25.41	25.38
EDGE 1 Tx slot		26.34	26.54	26.55	27.50	17.34	17.54	17.55
EDGE 2 Tx slots		25.27	25.35	25.36	26.50	19.27	19.35	19.36
EDGE 3 Tx slots		22.89	22.87	22.79	24.00	18.63	18.61	18.53
EDGE 4 Tx slots		21.48	21.42	21.46	22.50	18.48	18.42	18.46

GSM1900	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	TX Channel	512	661	810	512	661	810	
Frequency (MHz)		1850.2	1850	1850.8	(dBm)	1850.2	1850	1850.8
GSM 1 Tx slot		30.01	30.02	29.78	31.00	21.01	21.02	20.73
GPRS 1 Tx slot		30.13	30.17	29.83	31.00	21.13	21.17	20.83
GPRS 2 Tx slots		28.93	29.02	28.73	30.00	22.93	23.02	22.73
GPRS 3 Tx slots		26.46	26.60	26.43	27.50	22.20	22.34	22.17
GPRS 4 Tx slots		25.35	25.51	25.39	26.50	22.35	22.51	22.39
EDGE 1 Tx slot		25.70	25.77	25.44	27.00	16.70	16.77	16.44
EDGE 2 Tx slots		24.93	24.88	24.49	26.00	16.93	16.88	16.49
EDGE 3 Tx slots		22.58	22.45	22.00	23.50	18.32	18.19	17.74
EDGE 4 Tx slots		21.15	21.09	20.40	22.00	18.15	18.09	17.40

Band		WCDMA II			Tune-up Limit	WCDMA IV			Tune-up Limit	WCDMA V			Tune-up Limit
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9682	9800	9938	(dBm)	1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1860	1907.6	(dBm)	1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.56	23.58	23.57	24.50	23.62	23.61	23.59	24.50	23.11	23.13	23.15	24.50
3GPP Rel 99	RMC 12.2Kbps	23.67	23.68	23.56	24.50	23.64	23.65	23.61	24.50	23.16	23.18	23.16	24.50
3GPP Rel 6	HSDPA Subtest-1	22.47	22.34	22.28	23.50	22.37	22.30	22.29	23.50	21.97	21.94	22.01	23.50
3GPP Rel 6	HSDPA Subtest-2	22.38	22.25	22.17	23.50	22.26	22.31	22.25	23.50	22.01	21.85	21.91	23.50
3GPP Rel 6	HSDPA Subtest-3	21.88	21.73	21.69	23.00	21.79	21.81	21.79	23.00	21.50	21.43	21.45	23.00
3GPP Rel 6	HSDPA Subtest-4	21.87	21.69	21.67	23.00	21.87	21.79	21.81	23.00	21.47	21.31	21.30	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.36	22.31	22.28	23.50	22.08	22.11	22.15	23.50	21.82	21.88	21.82	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.28	22.22	22.20	23.50	22.05	22.09	22.18	23.50	21.61	21.64	21.79	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.63	21.65	21.59	23.00	21.62	21.68	21.70	23.00	21.31	21.36	21.28	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.61	21.53	21.58	23.00	21.62	21.64	21.69	23.00	21.26	21.28	21.19	23.00
3GPP Rel 8	HSUPA Subtest-1	20.51	20.52	20.52	21.50	20.51	20.55	20.55	21.50	19.88	19.92	19.98	21.50
3GPP Rel 8	HSUPA Subtest-2	20.44	20.35	20.27	21.50	20.36	20.39	20.31	21.50	19.91	19.94	19.99	21.50
3GPP Rel 6	HSUPA Subtest-3	21.45	21.39	21.26	22.50	21.40	21.39	21.31	22.50	20.85	20.92	20.92	22.50
3GPP Rel 6	HSUPA Subtest-4	20.02	19.87	19.76	21.00	19.90	19.87	19.82	21.00	19.45	19.46	19.44	21.00
3GPP Rel 6	HSUPA Subtest-5	21.40	21.30	21.20	22.50	21.30	21.24	21.28	22.50	21.16	20.80	20.90	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.59	20.54	20.51	21.50	20.52	20.57	20.56	21.50	20.53	20.59	20.56	21.50



Band 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Turn-up limit (dBm)	MPR (dB)	
Channel 20000									
Frequency (MHz)									
20	QPSK	1	0	23.87	24.33	23.94			
20	QPSK	1	49	24.22	23.89	24.20	25	0	
20	QPSK	1	99	23.87	23.89	23.94			
20	QPSK	50	0	23.98	23.91	23.93			
20	QPSK	50	24	23.87	23.92	23.95	24	1	
20	QPSK	50	50	23.28	23.24	23.22			
20	QPSK	100	0	23.19	23.24	23.18			
20	16QAM	1	0	23.19	23.21	23.19			
20	16QAM	1	49	23.57	23.62	23.36	24	1	
20	16QAM	1	99	23.13	23.08	23.11			
20	16QAM	50	0	22.25	22.20	22.17			
20	16QAM	50	24	22.25	22.22	22.17	23	2	
20	16QAM	50	50	22.16	22.21	22.17			
20	16QAM	100	0	22.17	22.23	22.14			
Channel 20005									
Frequency (MHz)									
15	QPSK	1	0	24.02	24.19	24.19			
15	QPSK	1	37	23.81	23.96	23.82	25	0	
15	QPSK	1	74	23.11	23.69	23.88			
15	QPSK	36	0	23.30	23.23	23.19			
15	QPSK	36	20	23.26	23.37	23.28	24	1	
15	QPSK	36	39	23.26	23.31	23.24			
15	QPSK	75	0	23.19	23.21	23.30			
15	16QAM	1	0	23.34	23.37	23.28			
15	16QAM	1	37	23.39	23.56	23.43	24	1	
15	16QAM	1	74	23.17	23.12	23.18			
15	16QAM	36	0	22.20	22.17	22.16			
15	16QAM	36	20	22.16	22.28	22.22	23	2	
15	16QAM	36	39	22.17	22.23	22.13			
15	16QAM	75	0	22.24	22.28	22.31			
Channel 20010									
Frequency (MHz)									
10	QPSK	1	0	24.15	24.14	24.15			
10	QPSK	1	25	23.85	23.77	23.96	25	0	
10	QPSK	1	50	23.19	23.88	23.84			
10	QPSK	25	0	23.18	23.20	23.19			
10	QPSK	25	12	23.21	23.12	23.23	24	1	
10	QPSK	25	25	23.15	23.11	23.27			
10	QPSK	50	0	23.15	23.25	23.27			
10	16QAM	1	0	23.17	23.48	23.27			
10	16QAM	1	25	23.51	23.48	23.45	24	1	
10	16QAM	1	49	23.09	23.11	23.12			
10	16QAM	25	0	22.92	22.13	22.11			
10	16QAM	25	12	22.19	22.15	22.18	23	2	
10	16QAM	25	25	22.15	22.25	22.08			
10	16QAM	50	0	22.23	22.31	22.25			
Channel 20015									
Frequency (MHz)									
5	QPSK	1	0	19.675	20.175	20.075	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	12	17.125	17.225	17.225	25	0	
5	QPSK	1	24	23.74	24.18	23.77			
5	QPSK	12	0	23.72	23.69	23.71			
5	QPSK	12	12	23.20	23.21	23.29	24	1	
5	QPSK	12	7	23.26	23.26	23.24			
5	QPSK	12	13	23.31	23.22	23.13			
5	QPSK	15	0	23.27	23.17	23.22			
5	16QAM	1	0	23.38	23.22	23.18	24	1	
5	16QAM	1	12	23.69	23.53	23.46			
5	16QAM	1	24	23.17	23.06	23.06			
5	16QAM	12	0	22.18	22.25	22.12			
5	16QAM	12	12	22.24	22.09	22.20	23	2	
5	16QAM	12	13	22.15	22.27	22.11			
5	16QAM	25	0	22.31	22.24	22.24			
Channel 20020									
Frequency (MHz)									
3	QPSK	1	0	24.10	24.15	24.14	Turn-up limit (dBm)	MPR (dB)	
3	QPSK	1	8	23.77	23.87	23.77	25	0	
3	QPSK	1	14	23.71	23.74	23.74			
3	QPSK	8	0	23.22	23.17	23.28			
3	QPSK	8	8	23.21	23.31	23.20	24	1	
3	QPSK	8	7	23.31	23.14	23.24			
3	16QAM	15	0	23.24	23.24	23.16			
3	16QAM	1	0	23.37	23.34	23.37	24	1	
3	16QAM	1	8	23.57	23.41	23.59			
3	16QAM	1	14	23.13	23.14	23.14			
3	16QAM	8	0	22.23	22.12	22.32			
3	16QAM	8	8	22.25	22.25	22.25	23	2	
3	16QAM	8	14	22.16	22.12	22.31			
3	16QAM	15	0	22.19	22.08	22.33			
Channel 20025									
Frequency (MHz)									
1.4	QPSK	1	0	19.67	20.175	20.093	Turn-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	2	17.127	17.23	17.243	25	0	
1.4	QPSK	1	3	23.85	23.86	23.91			
1.4	QPSK	1	23.86	23.89	23.77	23.80			
1.4	QPSK	3	0	23.91	23.91	23.92	24	1	
1.4	QPSK	3	3	23.16	23.21	23.07			
1.4	QPSK	3	3	23.24	23.51	23.77			
1.4	QPSK	6	0	22.97	23.06	23.15	24	1	
1.4	16QAM	1	0	23.04	23.04	23.03			
1.4	16QAM	1	3	23.00	23.01	22.93			
1.4	16QAM	1	5	22.91	22.88	23.03			
1.4	16QAM	3	0	22.82	22.95	22.92	24	1	
1.4	16QAM	3	1	23.06	23.05	23.06			
1.4	16QAM	3	3	22.88	22.87	22.86			
1.4	16QAM	3	3	22.13	22.05	22.08	23	2	

Band 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 24450	Power Mid Ch. / Freq. 24525	Power High Ch. / Freq. 24600	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.19	24.23	24.05	25	0		
10	QPSK	1	25	24.11	24.24	24.02				
10	QPSK	1	49	24.06	24.15	24.00				
10	QPSK	25	0	23.30	23.32	23.26				
10	QPSK	25	12	23.25	23.30	23.21	24	1		
10	QPSK	25	25	23.17	23.20	23.16				
10	QPSK	50	0	23.33	23.35	23.28				
10	16QAM	1	0	23.42	23.37	23.31				
10	16QAM	1	25	23.58	23.46	23.44	24	1		
10	16QAM	1	49	23.33	23.29	23.34				
10	16QAM	25	0	22.27	22.21	22.25				
10	16QAM	25	12	22.26	22.31	22.20				
10	16QAM	25	25	22.28	22.18	22.19	23	2		
10	16QAM	50	0	22.27	22.19	22.26				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.22	24.27	24.21	25	0		
5	QPSK	1	12	24.23	24.22	24.11				
5	QPSK	1	24	23.95	23.98	23.96				
5	QPSK	12	0	23.38	23.42	23.31				
5	QPSK	12	7	23.21	23.19	23.11	24	1		
5	QPSK	12	13	23.27	23.07	23.08				
5	QPSK	25	0	23.44	23.25	23.30				
5	16QAM	1	0	23.30	23.47	23.22				
5	16QAM	1	12	23.36	23.40	23.40	24	1		
5	16QAM	1	24	23.30	23.28	23.38				
5	16QAM	12	5	22.29	22.15	22.21				
5	16QAM	12	7	22.20	22.27	22.29				
5	16QAM	12	13	22.03	22.15	22.21	23	2		
5	16QAM	25	0	22.24	22.05	22.28				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.22	24.13	24.15	25	0		
3	QPSK	1	8	24.21	24.24	24.16				
3	QPSK	1	14	24.06	24.05	24.08				
3	QPSK	8	0	23.42	23.32	23.22				
3	QPSK	8	4	23.22	23.26	23.22	24	1		
3	QPSK	8	7	23.19	23.27	23.07				
3	QPSK	15	0	23.30	23.28	23.24				
3	16QAM	1	0	23.43	23.28	23.46				
3	16QAM	1	8	23.50	23.52	23.48	24	1		
3	16QAM	1	14	23.36	23.22	23.18				
3	16QAM	8	0	22.28	22.18	22.17				
3	16QAM	8	4	22.14	22.23	22.11				
3	16QAM	8	7	22.18	22.04	22.03	23	2		
3	16QAM	15	0	22.06	22.25	22.05				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.80	23.94	23.58	25	0		
1.4	QPSK	1	3	23.89	24.02	24.12				
1.4	QPSK	1	5	23.90	23.98	23.88				
1.4	QPSK	3	0	23.88	23.90	23.85				
1.4	QPSK	3	1	24.08	24.01	24.00	24	1		
1.4	QPSK	3	3	24.01	23.97	23.83				
1.4	QPSK	6	0	23.05	23.07	23.15				
1.4	16QAM	1	0	23.18	23.11	23.07				
1.4	16QAM	1	3	23.05	23.17	23.08	24	1		
1.4	16QAM	1	5	23.09	23.11	23.01				
1.4	16QAM	3	0	23.01	23.00	23.07				
1.4	16QAM	3	1	23.05	23.04	23.00				
1.4	16QAM	3	3	23.08	23.02	22.94	23	2		
1.4	16QAM	6	0	22.99	22.12	22.15				

Band 12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq 24600	Power Middle Ch. Freq 24675	Power High Ch. Freq 24750	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.25	24.53	24.36	25	0
10	QPSK	1	25	24.51	24.35	24.34		
10	QPSK	1	49	24.44	24.44	24.51		
10	QPSK	25	0	23.53	23.63	23.61		
10	QPSK	25	12	23.54	23.56	23.55	24	1
10	QPSK	25	25	23.58	23.60	23.59		
10	QPSK	50	0	23.57	23.68	23.65		
10	16QAM	1	0	23.40	23.59	23.57		
10	16QAM	1	25	23.78	23.72	23.76	24	1
10	16QAM	1	49	23.63	23.73	23.60		
10	16QAM	25	0	22.49	22.51	22.55		
10	16QAM	25	12	22.50	22.46	22.48		
10	16QAM	25	25	22.53	22.53	22.55	23	2
10	16QAM	50	0	22.52	22.53	22.61		
Channel								
Frequency (MHz)								
5	QPSK	1	0	701.5	707.5	713.5	25	0
5	QPSK	1	12	24.45	24.44	24.42		
5	QPSK	1	24	24.43	24.29	24.45		
5	QPSK	1	24	24.47	24.30	24.35		
5	QPSK	12	0	23.56	23.59	23.60	24	1
5	QPSK	12	7	23.59	23.65	23.62		
5	QPSK	12	13	23.63	23.60	23.69		
5	QPSK	25	0	23.69	23.57	23.52		
5	16QAM	1	0	23.59	23.52	23.47	24	1
5	16QAM	1	12	23.60	23.73	23.58		
5	16QAM	1	24	23.69	23.62	23.75		
5	16QAM	12	5	22.50	22.50	22.52		
5	16QAM	12	7	22.47	22.44	22.56	23	2
5	16QAM	12	13	22.42	22.49	22.45		
5	16QAM	25	0	22.62	22.41	22.54		
5	16QAM	25	0	22.62	22.41	22.54		
Channel								
Frequency (MHz)								
3	QPSK	1	0	708.5	708.5	714.5	25	0
3	QPSK	1	0	24.49	24.39	24.47		
3	QPSK	1	8	24.29	24.28	24.27		
3	QPSK	1	14	24.35	24.35	24.43		
3	QPSK	8	0	23.69	23.55	23.68	24	1
3	QPSK	8	4	23.63	23.51	23.59		
3	QPSK	8	7	23.59	23.70	23.59		
3	QPSK	15	0	23.52	23.52	23.54		
3	16QAM	1	0	23.51	23.49	23.45	24	1
3	16QAM	1	8	23.76	23.61	23.62		
3	16QAM	1	14	23.60	23.63	23.70		
3	16QAM	8	0	22.52	22.59	22.36		
3	16QAM	8	0	22.52	22.38	22.50	23	2
3	16QAM	8	7	22.50	22.51	22.46		
3	16QAM	15	0	22.56	22.43	22.49		
3	16QAM	15	0	22.56	22.43	22.49		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	716.7	716.7	716.3	25	0
1.4	QPSK	1	0	24.13	24.11	24.07		
1.4	QPSK	1	3	24.06	24.01	24.00		
1.4	QPSK	1	5	23.95	24.03	24.05		
1.4	QPSK	3	0	24.10	24.02	24.10	24	1
1.4	QPSK	3	1	23.86	24.02	23.87		
1.4	QPSK	3	3	24.06	24.05	23.98		
1.4	QPSK	6	0	23.34	23.28	23.14		
1.4	16QAM	1	0	23.16	23.27	23.23	24	1
1.4	16QAM	1	3	23.27	23.26	23.34		
1.4	16QAM	1	5	23.29	23.31	23.36		
1.4	16QAM	3	0	23.08	23.19	23.27		
1.4	16QAM	3	1	23.30	23.23	23.23	23	2
1.4	16QAM	3	3	23.21	23.28	23.38		
1.4	16QAM	6	0	22.98	22.23	22.13		
1.4	16QAM	6	0	22.98	22.23	22.13		



Band 14									
BW [MHz]	Modulation	Channel	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23305			25	0
Frequency (MHz)					793				
10	QPSK	1	0			24.25			
10	QPSK	1	25			24.17			
10	QPSK	1	49			24.14			
10	QPSK	25	0			23.29			
10	QPSK	25	12			23.25			
10	QPSK	25	25			23.22			
10	QPSK	50	0			23.27			
10	16QAM	1	0			23.38			
10	16QAM	1	25			23.50			
10	16QAM	1	49			23.35			
10	16QAM	25	0			22.24			
10	16QAM	25	12			22.26			
10	16QAM	25	25			22.17			
10	16QAM	50	0			22.23			
Channel					23305	23310	23355	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					790.5	793	795.5	25	0
5	QPSK	1	0		24.03	24.07	24.06		
5	QPSK	1	12		24.15	24.23	24.25		
5	QPSK	1	24		23.99	24.08	24.01		
5	QPSK	12	0		23.14	23.19	23.21		
5	QPSK	12	7		23.18	23.23	23.20		
5	QPSK	12	13		23.16	23.13	23.09		
5	QPSK	25	0		23.19	23.19	23.20		
5	16QAM	1	0		23.23	23.31	23.27		
5	16QAM	1	12		23.45	23.50	23.52		
5	16QAM	1	24		23.28	23.34	23.33		
5	16QAM	12	0		22.15	22.19	22.21		
5	16QAM	12	7		22.22	22.24	22.23		
5	16QAM	12	13		22.18	22.18	22.13		
5	16QAM	25	0		22.17	22.21	22.17		

Band 30									
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				27719				24.5	0
Frequency (MHz)				2319					
10	QPSK	1	0		23.35		24.5	0	
10	QPSK	1	25		23.28				
10	QPSK	1	49		23.28				
10	QPSK	25	0		22.27				
10	QPSK	25	12		22.21				
10	QPSK	25	25		22.17		23.5	1	
10	QPSK	50	0		22.20				
10	16QAM	1	0		22.19				
10	16QAM	1	49		22.24				
10	16QAM	25	0		21.23				
10	16QAM	25	12		21.26		22.5	2	
10	16QAM	25	25		21.20				
10	16QAM	50	0		21.20				
Channel				27698	27719	27735			
Frequency (MHz)				2307.5	2319	2312.5			
5	QPSK	1	0		23.30	23.25	24.5	0	
5	QPSK	1	12		23.20	23.25			
5	QPSK	1	24		23.18	23.24			
5	QPSK	12	0		22.26	22.17			
5	QPSK	12	7		22.14	22.14			
5	QPSK	12	13		22.07	22.16	23.5	1	
5	QPSK	25	0		22.17	22.16			
5	16QAM	1	0		22.10	22.18			
5	16QAM	1	12		22.15	22.13			
5	16QAM	1	24		22.16	22.23			
5	16QAM	12	0		21.19	21.14	22.5	2	
5	16QAM	12	7		21.18	21.19			
5	16QAM	12	13		21.17	21.14			
5	16QAM	25	0		21.15	21.10			

Band 66

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq 130092	Power Middle Ch. Freq 130102	Power High Ch. Freq 130092	Tune-up limit (dBm)	MPR (dB)		
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	0	24.20	24.15	24.20	25	0		
20	QPSK	1	48	24.30	24.31	24.23				
20	QPSK	1	96	23.84	24.02	23.82				
20	QPSK	50	0	23.32	23.35	23.30				
20	QPSK	50	24	23.28	23.30	23.28				
20	QPSK	50	50	23.17	23.28	23.11	24	1		
20	QPSK	100	0	23.23	23.25	23.24				
20	16QAM	1	0	23.21	23.29	23.11				
20	16QAM	1	48	23.52	23.52	23.46				
20	16QAM	1	96	23.13	23.05	23.08				
20	16QAM	50	0	22.29	22.22	22.33	23	2		
20	16QAM	50	24	22.26	22.29	22.26				
20	16QAM	50	50	22.18	22.21	22.05				
20	16QAM	100	0	22.19	22.23	22.20				
Channel									Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	1717.5	1745	1772.5	25	0		
15	QPSK	1	37	24.27	24.23	24.18				
15	QPSK	1	74	23.89	23.88	23.84				
15	QPSK	36	0	23.27	23.33	23.43				
15	QPSK	36	20	23.30	23.29	23.36				
15	QPSK	36	36	23.37	23.30	23.16	24	1		
15	QPSK	72	0	23.16	23.31	23.14				
15	16QAM	1	0	23.23	23.24	23.32				
15	16QAM	1	37	23.53	23.44	23.45				
15	16QAM	1	74	23.07	23.12	23.13				
15	16QAM	36	0	22.10	22.20	22.12	23	2		
15	16QAM	36	20	22.19	22.29	22.33				
15	16QAM	36	36	22.08	22.26	22.26				
15	16QAM	72	0	22.10	22.23	22.23				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	130092	130102	130092	25	0		
10	QPSK	1	26	1715	1745	1772.5				
10	QPSK	1	49	24.24	24.18	24.20				
10	QPSK	1	74	24.26	24.26	24.16				
10	QPSK	1	49	23.83	23.85	23.86				
10	QPSK	25	0	23.43	23.35	23.40	24	1		
10	QPSK	25	19	23.38	23.24	23.25				
10	QPSK	25	25	23.38	23.31	23.15				
10	QPSK	50	0	23.12	23.35	23.29				
10	16QAM	1	0	23.35	23.23	23.21				
10	16QAM	1	25	23.43	23.55	23.41	24	1		
10	16QAM	1	49	23.07	23.14	23.15				
10	16QAM	25	0	22.11	22.10	22.27				
10	16QAM	25	12	22.19	22.14	22.19				
10	16QAM	25	25	22.06	22.06	22.06				
10	16QAM	50	0	22.32	22.08	22.20	23	2		
Channel									Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)									Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	131697	130352	130647			Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	1711.5	1745	1778.5	25	0		
5	QPSK	1	12	24.19	24.31	24.30				
5	QPSK	1	24	24.28	24.23	24.12				
5	QPSK	1	24	23.85	23.86	23.85				
5	QPSK	12	0	23.34	23.31	23.30				
5	QPSK	12	7	23.30	23.28	23.25	24	1		
5	QPSK	12	13	23.30	23.29	23.17				
5	QPSK	25	0	23.22	23.18	23.35				
5	16QAM	1	0	23.30	23.23	23.18				
5	16QAM	1	12	23.43	23.41	23.39				
5	16QAM	1	24	22.85	23.11	22.96	24	1		
5	16QAM	12	0	22.37	22.33	22.30				
5	16QAM	12	7	22.21	22.31	22.14				
5	16QAM	12	13	22.13	22.07	22.24				
5	16QAM	25	0	22.30	22.10	22.22				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	131617	130222	130627	25	0		
3	QPSK	1	8	24.21	24.21	24.26				
3	QPSK	1	8	24.17	24.30	24.11				
3	QPSK	1	14	23.81	23.92	23.85				
3	QPSK	8	0	23.37	23.32	23.31				
3	QPSK	8	4	23.19	23.21	23.35	24	1		
3	QPSK	8	7	23.29	23.35	23.14				
3	QPSK	15	0	23.17	23.35	23.12				
3	16QAM	1	0	23.17	23.34	23.22				
3	16QAM	1	8	23.52	23.42	23.48				
3	16QAM	1	14	23.03	23.11	23.14	24	1		
3	16QAM	8	0	22.22	22.25	22.22				
3	16QAM	8	4	22.37	22.33	22.24				
3	16QAM	8	7	22.06	22.14	22.26				
3	16QAM	15	0	22.26	22.24	22.12				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	131679	130222	130609	25	0		
1.4	QPSK	1	24.01	24.12	24.04	24.02				
1.4	QPSK	1	24.01	24.01	24.01	24.00				
1.4	QPSK	1	5	23.96	23.98	24.01				
1.4	QPSK	3	0	24.09	24.01	24.03				
1.4	QPSK	3	1	23.93	24.01	23.97	24	1		
1.4	QPSK	3	3	23.95	23.98	23.96				
1.4	QPSK	6	0	23.22	23.17	23.17				
1.4	16QAM	1	0	23.01	23.15	23.06				
1.4	16QAM	1	3	23.09	23.12	23.14				
1.4	16QAM	1	5	23.21	23.14	23.08	24	1		
1.4	16QAM	3	0	23.14	23.18	23.26				
1.4	16QAM	3	1	23.17	23.12	23.07				
1.4	16QAM	3	3	23.13	23.15	23.00				
1.4	16QAM	6	0	22.12	22.15	22.06				

Band 71

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							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	QPSK	1	0	24.08	24.23	23.88	25	0
20	QPSK	1	48	24.00	23.74	23.78		
20	QPSK	1	96	23.81	23.81	23.78		
20	QPSK	50	0	23.11	23.15	23.07		
20	QPSK	50	24	23.04	23.13	22.96		
20	QPSK	50	50	22.81	22.88	22.79	24	1
20	QPSK	100	0	23.00	23.09	22.74		
20	16QAM	1	0	23.09	23.23	22.78		
20	16QAM	1	48	23.12	23.02	22.98		
20	16QAM	1	96	22.78	22.81	22.88		
20	16QAM	50	0	22.14	21.94	21.77	23	2
20	16QAM	50	24	22.13	21.95	21.72		
20	16QAM	50	50	21.80	21.72	21.78		
20	16QAM	100	0	22.05	21.83	21.72		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	23.84	23.98	24.05	25	0
15	QPSK	1	37	23.86	23.89	23.94		
15	QPSK	1	74	23.76	23.88	23.74		
15	QPSK	36	0	22.75	22.91	22.85		
15	QPSK	36	20	23.24	23.22	23.14		
15	QPSK	36	36	22.84	22.79	22.77	24	1
15	QPSK	72	0	22.57	22.82	22.93		
15	16QAM	1	0	23.19	23.02	23.18		
15	16QAM	1	37	22.99	22.98	23.08		
15	16QAM	1	74	22.79	22.75	22.86		
15	16QAM	36	0	22.06	22.00	22.01	23	2
15	16QAM	36	20	22.14	22.15	22.10		
15	16QAM	36	36	21.88	21.71	21.78		
15	16QAM	72	0	22.07	22.11	22.07		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	24.08	23.90	23.91	25	0
10	QPSK	1	26	23.89	23.86	23.93		
10	QPSK	1	49	23.76	23.75	23.89		
10	QPSK	25	0	22.89	22.71	22.90		
10	QPSK	25	12	23.01	23.06	23.15		
10	QPSK	25	25	22.89	22.83	22.91	24	1
10	QPSK	50	0	22.88	23.07	22.93		
10	16QAM	1	0	23.04	22.87	23.02		
10	16QAM	1	26	23.16	22.98	22.97		
10	16QAM	1	49	22.72	22.67	22.66		
10	16QAM	25	0	22.05	22.18	22.10	23	2
10	16QAM	25	12	22.05	22.19	22.17		
10	16QAM	25	25	21.71	21.73	21.73		
10	16QAM	50	0	22.08	22.02	22.09		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.88	23.99	24.02	25	0
5	QPSK	1	12	23.94	23.83	23.98		
5	QPSK	1	24	23.85	23.85	23.73		
5	QPSK	12	0	22.74	22.72	22.84		
5	QPSK	12	7	23.14	23.18	23.15		
5	QPSK	12	21	22.86	22.78	22.77	24	1
5	QPSK	25	0	23.09	22.94	22.98		
5	16QAM	1	0	23.12	22.99	23.06		
5	16QAM	1	12	23.12	23.03	23.10		
5	16QAM	1	24	22.68	22.76	22.70		
5	16QAM	12	0	22.17	22.07	22.05	23	2
5	16QAM	12	7	22.05	22.12	22.16		
5	16QAM	12	13	21.86	21.90	21.88		
5	16QAM	25	0	22.10	22.11	21.96		

Reduced Power for Receiver On

GSM850	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	TX Channel	128	189	251	128	189	251	
Frequency (MHz)		824.2	836.4	848.6	(dBm)	824.2	836.4	848.6
GSM 1 Tx slot		32.51	32.55	32.49	33.50	23.51	23.55	23.49
GPRS 1 Tx slot		32.54	32.57	32.54	33.50	23.54	23.57	23.54
GPRS 2 Tx slots		31.55	31.56	31.58	32.50	25.55	25.56	25.58
GPRS 3 Tx slots		29.46	29.49	29.52	30.50	25.20	25.23	25.26
GPRS 4 Tx slots		28.33	28.41	28.38	29.50	25.33	25.41	25.38
EDGE 1 Tx slot		26.34	26.54	26.55	27.50	17.34	17.54	17.55
EDGE 2 Tx slots		25.27	25.35	25.36	26.50	19.27	19.35	19.36
EDGE 3 Tx slots		22.89	22.87	22.79	24.00	18.63	18.61	18.53
EDGE 4 Tx slots		21.48	21.42	21.46	22.50	18.48	18.42	18.46

GSM1900	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	TX Channel	512	661	810	512	661	810	
Frequency (MHz)		1850.2	1850	1850.8	(dBm)	1850.2	1850	1850.8
GSM 1 Tx slot		30.01	30.02	29.78	31.00	21.01	21.02	20.73
GPRS 1 Tx slot		30.13	30.17	29.83	31.00	21.13	21.17	20.83
GPRS 2 Tx slots		28.93	29.02	28.73	30.00	22.93	23.02	22.73
GPRS 3 Tx slots		26.46	26.60	26.43	27.50	22.20	22.34	22.17
GPRS 4 Tx slots		25.35	25.51	25.39	26.50	22.35	22.51	22.39
EDGE 1 Tx slot		25.70	25.77	25.44	27.00	16.70	16.77	16.44
EDGE 2 Tx slots		24.93	24.88	24.49	26.00	16.93	16.88	16.49
EDGE 3 Tx slots		22.58	22.45	22.00	23.50	18.32	18.19	17.74
EDGE 4 Tx slots		21.15	21.09	20.40	22.00	18.15	18.09	17.40

Band		WCDMA II			Tune-up Limit	WCDMA IV			Tune-up Limit	WCDMA V			Tune-up Limit
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938	(dBm)	1537	1638	1738		4357	4407	4468	
Frequency (MHz)		1852.4	1860	1907.6	(dBm)	1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.56	23.58	23.57	24.50	23.62	23.61	23.59	24.50	23.11	23.13	23.15	24.50
3GPP Rel 99	RMC 12.2Kbps	23.67	23.68	23.56	24.50	23.64	23.65	23.61	24.50	23.16	23.18	23.16	24.50
3GPP Rel 6	HSDPA Subtest-1	22.47	22.34	22.28	23.50	22.37	22.30	22.29	23.50	21.97	21.94	22.01	23.50
3GPP Rel 6	HSDPA Subtest-2	22.38	22.25	22.17	23.50	22.26	22.31	22.25	23.50	22.01	21.85	21.91	23.50
3GPP Rel 6	HSDPA Subtest-3	21.88	21.73	21.69	23.00	21.79	21.81	21.79	23.00	21.50	21.43	21.45	23.00
3GPP Rel 6	HSDPA Subtest-4	21.87	21.69	21.67	23.00	21.87	21.79	21.81	23.00	21.47	21.31	21.30	23.00
3GPP Rel 6	DC-HSDPA Subtest-1	22.36	22.31	22.28	23.50	22.08	22.11	22.15	23.50	21.82	21.88	21.82	23.50
3GPP Rel 6	DC-HSDPA Subtest-2	22.28	22.22	22.20	23.50	22.05	22.09	22.18	23.50	21.61	21.64	21.79	23.50
3GPP Rel 6	DC-HSDPA Subtest-3	21.63	21.65	21.59	23.00	21.62	21.68	21.70	23.00	21.31	21.36	21.28	23.00
3GPP Rel 6	DC-HSDPA Subtest-4	21.61	21.53	21.58	23.00	21.62	21.64	21.69	23.00	21.26	21.28	21.19	23.00
3GPP Rel 6	HSUPA Subtest-1	20.51	20.52	20.52	21.50	20.51	20.55	20.55	21.50	19.88	19.92	19.98	21.50
3GPP Rel 6	HSUPA Subtest-2	20.44	20.35	20.27	21.50	20.36	20.39	20.31	21.50	19.91	19.94	19.99	21.50
3GPP Rel 6	HSUPA Subtest-3	21.45	21.39	21.26	22.50	21.40	21.39	21.31	22.50	20.85	20.92	20.92	22.50
3GPP Rel 6	HSUPA Subtest-4	20.02	19.87	19.76	21.00	19.90	19.87	19.82	21.00	19.45	19.46	19.44	21.00
3GPP Rel 6	HSUPA Subtest-5	21.40	21.30	21.20	22.50	21.30	21.24	21.28	22.50	21.16	20.80	20.90	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.59	20.54	20.51	21.50	20.52	20.57	20.56	21.50	20.53	20.59	20.56	21.50

Band 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	0	24.40	24.36	24.31	25	0		
20	QPSK	1	48	24.35	24.21	24.29				
20	QPSK	1	96	24.03	23.92	23.97				
20	QPSK	50	0	23.46	23.51	23.39				
20	QPSK	50	24	23.45	23.42	23.35				
20	QPSK	50	50	23.44	23.26	23.20	24	1		
20	QPSK	100	0	23.44	23.48	23.27				
20	16QAM	1	0	23.17	23.33	23.21				
20	16QAM	1	48	23.65	23.54	23.52				
20	16QAM	1	96	23.19	23.15	23.23				
20	16QAM	50	0	22.51	22.34	22.33	23	2		
20	16QAM	50	24	22.46	22.34	22.29				
20	16QAM	50	50	22.44	22.18	22.13				
20	16QAM	100	0	22.47	22.26	22.21				
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	24.30	24.24	24.19	25	0		
15	QPSK	1	37	24.34	24.43	24.32				
15	QPSK	1	74	24.21	24.13	24.02				
15	QPSK	36	0	23.51	23.42	23.29				
15	QPSK	36	20	23.46	23.37	23.23				
15	QPSK	36	39	23.47	23.24	23.17	24	1		
15	16QAM	15	0	23.50	23.38	23.25				
15	16QAM	1	0	23.56	23.44	23.35				
15	16QAM	1	37	23.56	23.51	23.43				
15	16QAM	1	74	23.46	23.27	23.23				
15	16QAM	36	0	22.52	22.36	22.31	23	2		
15	16QAM	36	20	22.46	22.34	22.24				
15	16QAM	36	39	22.41	22.24	22.13				
15	16QAM	75	0	22.49	22.28	22.18				
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	24.39	24.29	24.17	25	0		
10	QPSK	1	25	24.51	24.37	24.24				
10	QPSK	1	49	24.30	24.18	24.08				
10	QPSK	25	0	23.56	23.42	23.33				
10	QPSK	25	12	23.50	23.39	23.28	24	1		
10	QPSK	25	25	23.45	23.31	23.22				
10	QPSK	50	0	23.53	23.39	23.31				
10	16QAM	1	0	23.65	23.46	23.36				
10	16QAM	1	25	23.68	23.48	23.40				
10	16QAM	1	49	23.60	23.39	23.25	23	2		
10	16QAM	25	0	22.51	22.35	22.23				
10	16QAM	25	12	22.47	22.31	22.22				
10	16QAM	25	25	22.48	22.21	22.14				
10	16QAM	50	0	22.49	22.30	22.23				
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	24.39	24.17	24.25	25	0		
5	QPSK	1	12	24.36	24.46	24.37				
5	QPSK	1	24	24.05	24.15	24.19				
5	QPSK	12	0	23.28	23.45	23.37				
5	QPSK	12	7	23.34	23.45	23.31	24	1		
5	QPSK	12	13	23.38	23.39	23.25				
5	QPSK	25	0	23.48	23.47	23.32				
5	16QAM	1	0	23.59	23.50	23.35				
5	16QAM	1	12	23.37	23.39	23.42				
5	16QAM	1	24	23.38	23.46	23.35	23	2		
5	16QAM	12	0	22.23	22.28	22.20				
5	16QAM	12	7	22.28	22.32	22.21				
5	16QAM	12	13	22.21	22.07	22.18				
5	16QAM	25	0	22.26	22.18	22.19				
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	24.17	24.29	24.27	25	0		
3	QPSK	1	8	24.44	24.28	24.49				
3	QPSK	1	14	24.12	24.10	24.17				
3	QPSK	8	0	23.36	23.33	23.30				
3	QPSK	8	4	23.43	23.41	23.35	24	1		
3	QPSK	8	7	23.39	23.41	23.19				
3	QPSK	15	0	23.42	23.35	23.27				
3	16QAM	1	0	23.44	23.45	23.41				
3	16QAM	1	8	23.40	23.36	23.33				
3	16QAM	1	14	23.32	23.29	23.29	23	2		
3	16QAM	8	0	22.25	22.33	22.29				
3	16QAM	8	4	22.41	22.28	22.17				
3	16QAM	8	7	22.10	22.29	22.18				
3	16QAM	15	0	22.40	22.38	22.24				
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	23.93	24.04	24.02	25	0		
1.4	QPSK	1	3	24.03	24.01	24.11				
1.4	QPSK	1	5	24.05	24.02	23.91				
1.4	QPSK	3	0	24.18	24.11	24.16				
1.4	QPSK	3	1	24.02	24.01	23.99				
1.4	QPSK	3	3	24.00	23.99	24.09	24	1		
1.4	QPSK	6	0	22.99	23.02	23.04				
1.4	16QAM	1	0	23.07	23.11	23.14				
1.4	16QAM	1	3	23.20	23.12	23.01				
1.4	16QAM	1	6	22.97	23.09	22.98				
1.4	16QAM	3	0	23.09	23.06	23.15	24	1		
1.4	16QAM	3	1	23.11	23.05	23.03				
1.4	16QAM	3	3	22.93	23.06	23.03				
1.4	16QAM	6	0	21.97	22.12	22.19				
1.4	16QAM	6	0	21.97	22.12	22.19				

Band 4												
BW [MHz]	Modulation	Channel	RB Size	RB Offset	Power Low Ch. Freq. 20090	Power Middle Ch. Freq. 20175	Power High Ch. Freq. 20260	Tune-up limit (dBm)	MPR (dB)			
Channel Frequency (MHz)								Tune-up limit (dBm)	MPR (dB)			
20	QPSK	1	0	1720	1723.5	1724	25	0				
20	QPSK	1	48	23.87	23.89	23.84						
20	QPSK	1	96	23.87	23.89	23.80						
20	QPSK	50	0	23.28	23.31	23.23						
20	QPSK	50	24	23.27	23.22	23.25						
20	QPSK	50	50	23.18	23.24	23.22	24	1				
20	QPSK	100	0	23.19	23.24	23.16						
20	16QAM	1	0	23.19	23.31	23.23						
20	16QAM	1	48	23.57	23.52	23.36						
20	16QAM	1	96	23.13	23.08	23.11						
20	16QAM	50	0	22.25	22.26	22.17	23	2				
20	16QAM	50	24	22.26	22.22	22.17						
20	16QAM	50	50	22.16	22.21	22.17						
20	16QAM	100	0	22.17	22.23	22.14						
Channel Frequency (MHz)								Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	1717.5	1732.5	1747.5	25	0				
15	QPSK	1	37	24.12	24.19	24.19						
15	QPSK	1	74	23.81	23.96	23.82						
15	QPSK	1	111	23.71	23.89	23.88	24	1				
15	QPSK	36	0	23.30	23.23	23.19						
15	QPSK	36	36	23.26	23.27	23.28						
15	QPSK	36	72	23.25	23.31	23.24						
15	QPSK	72	0	23.19	23.21	23.30						
15	16QAM	1	0	23.24	23.37	23.28	24	1				
15	16QAM	1	37	23.39	23.56	23.43						
15	16QAM	1	74	23.17	23.12	23.18						
15	16QAM	36	0	22.30	22.17	22.16						
15	16QAM	36	36	22.16	22.26	22.22						
15	16QAM	36	72	22.17	22.23	22.13	23	2				
15	16QAM	72	0	22.24	22.31	22.31						
15	16QAM	72	36	22.25	22.28	22.30						
15	16QAM	144	0	22.15	22.25	22.16						
15	16QAM	144	72	22.16	22.25	22.16						
Channel Frequency (MHz)								Tune-up limit (dBm)	MPR (dB)			
10	QPSK	1	0	1717.5	1732.5	1747.5	25	0				
10	QPSK	1	25	23.85	23.77	23.86						
10	QPSK	1	50	23.79	23.88	23.84						
10	QPSK	25	0	23.18	23.26	23.29	24	1				
10	QPSK	25	12	23.21	23.12	23.23						
10	QPSK	25	25	23.15	23.31	23.37						
10	QPSK	50	0	23.15	23.26	23.27						
10	16QAM	1	0	23.17	23.38	23.25						
10	16QAM	1	25	23.51	23.48	23.45	24	1				
10	16QAM	1	49	23.09	23.11	23.12						
10	16QAM	25	0	22.32	22.13	22.11						
10	16QAM	25	12	22.19	22.15	22.18						
10	16QAM	25	25	22.15	22.25	22.08						
10	16QAM	50	0	22.13	22.31	22.25	23	2				
Channel Frequency (MHz)										Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	1697.5	1677.5	1657.5				25	0	
5	QPSK	1	12	23.74	23.91	23.77						
5	QPSK	1	24	23.72	23.89	23.71						
5	QPSK	12	0	23.20	23.21	23.29	24	1				
5	QPSK	12	7	23.26	23.26	23.24						
5	QPSK	12	13	23.31	23.22	23.18						
5	QPSK	25	0	23.27	23.17	23.32						
5	QPSK	25	13	23.28	23.22	23.13						
5	16QAM	1	0	23.39	23.39	23.48	24	1				
5	16QAM	1	24	23.17	23.08	23.05						
5	16QAM	12	0	22.18	22.25	22.12						
5	16QAM	12	7	22.24	22.09	22.20						
5	16QAM	12	13	22.15	22.27	22.14						
5	16QAM	25	0	22.11	22.24	22.14	23	2				
Channel Frequency (MHz)										Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	1717.5	1732.5	1747.5				25	0	
1.4	QPSK	1	8	24.10	24.15	24.14						
1.4	QPSK	1	16	23.77	23.87	23.77						
1.4	QPSK	1	14	23.71	23.74	23.74	24	1				
1.4	QPSK	8	8	23.32	23.17	23.38						
1.4	QPSK	8	4	23.21	23.31	23.20						
1.4	QPSK	8	7	23.31	23.14	23.24						
1.4	QPSK	16	0	23.24	23.24	23.15						
1.4	16QAM	1	0	23.27	23.34	23.27	24	1				
1.4	16QAM	1	8	23.57	23.41	23.59						
1.4	16QAM	1	13	23.13	23.14	23.14						
1.4	16QAM	8	0	22.23	22.12	22.32						
1.4	16QAM	8	4	22.25	22.25	22.16						
1.4	16QAM	8	7	22.16	22.12	22.31	23	2				
1.4	16QAM	16	0	22.19	22.08	22.23						
Channel Frequency (MHz)										Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	1717.5	1732.5	1747.5				25	0	
1.4	QPSK	1	3	24.01	23.86	24.03						
1.4	QPSK	1	5	23.85	23.85	23.91						
1.4	QPSK	1	5	23.86	23.89	23.77	24	1				
1.4	QPSK	3	0	23.80	23.51	23.52						
1.4	QPSK	3	1	23.15	23.31	23.37						
1.4	QPSK	3	3	23.04	23.51	23.17						
1.4	QPSK	6	0	22.87	23.06	23.15						
1.4	16QAM	1	0	23.04	23.04	23.03	24	1				
1.4	16QAM	1	3	23.00	23.01	22.93						
1.4	16QAM	1	5	22.91	22.98	22.93						
1.4	16QAM	3	0	22.82	22.96	22.92						
1.4	16QAM	3	1	23.06	23.05	23.06						
1.4	16QAM	3	3	22.88	22.97	22.86	23	2				
1.4	16QAM	6	0	22.13	22.05	22.08						

Band 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 20450	Power Middle Ch. Freq. 20525	Power High Ch. Freq. 20600	Tune-up limit (dBm)	MPR (dB)
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	0	24.19	24.28	24.05	25	0
10	QPSK	1	25	24.11	24.24	24.02		
10	QPSK	1	49	24.06	24.15	24.00		
10	QPSK	25	0	23.30	23.32	23.26	24	1
10	QPSK	25	12	23.25	23.30	23.21		
10	QPSK	25	25	23.17	23.20	23.16		
10	QPSK	50	0	23.32	23.35	23.28	24	1
10	16QAM	1	0	23.42	23.37	23.31		
10	16QAM	1	25	23.38	23.46	23.44		
10	16QAM	1	49	23.33	23.25	23.34	23	2
10	16QAM	25	0	22.27	22.21	22.25		
10	16QAM	25	12	22.26	22.24	22.25		
10	16QAM	25	25	22.25	22.18	22.19	23	2
10	16QAM	50	0	22.27	22.19	22.25		
10	16QAM	50	0	22.25	22.18	22.25		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	0	24.22	24.27	24.21	25	0
5	QPSK	1	12	24.23	24.22	24.11		
5	QPSK	1	24	23.95	23.98	23.96		
5	QPSK	12	0	23.38	23.42	23.31	24	1
5	QPSK	12	7	23.21	23.15	23.11		
5	QPSK	12	13	23.27	23.07	23.08		
5	QPSK	25	0	23.44	23.25	23.30	24	1
5	16QAM	1	0	23.30	23.47	23.22		
5	16QAM	1	12	23.56	23.40	23.40		
5	16QAM	1	24	23.30	23.28	23.38	23	2
5	16QAM	12	5	22.29	22.15	22.21		
5	16QAM	12	7	22.20	22.27	22.29		
5	16QAM	12	13	22.03	22.15	22.21	23	2
5	16QAM	25	0	22.24	22.05	22.28		
5	16QAM	25	0	22.19	22.02	22.05		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
3	QPSK	1	0	24.22	24.13	24.15	25	0
3	QPSK	1	8	24.21	24.24	24.18		
3	QPSK	1	14	24.05	24.05	24.06		
3	QPSK	8	0	23.42	23.32	23.22	24	1
3	QPSK	8	4	23.22	23.26	23.22		
3	QPSK	8	7	23.19	23.27	23.07		
3	QPSK	15	0	23.30	23.28	23.24	24	1
3	16QAM	1	0	23.45	23.28	23.48		
3	16QAM	1	8	23.50	23.52	23.48		
3	16QAM	1	14	23.36	23.22	23.18	23	2
3	16QAM	8	0	22.28	22.18	22.17		
3	16QAM	8	4	22.14	22.23	22.11		
3	16QAM	8	7	22.18	22.04	22.03	23	2
3	16QAM	15	0	22.06	22.25	22.05		
3	16QAM	15	0	22.02	22.02	22.02		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
1.4	QPSK	1	0	23.80	23.94	23.98	25	0
1.4	QPSK	1	3	23.85	24.02	24.12		
1.4	QPSK	1	5	23.90	23.98	23.83		
1.4	QPSK	3	0	23.88	23.90	23.85	24	1
1.4	QPSK	3	1	24.08	24.01	24.00		
1.4	QPSK	3	3	24.01	23.97	23.83		
1.4	QPSK	6	0	23.05	23.07	23.15	24	1
1.4	16QAM	1	0	23.18	23.11	23.07		
1.4	16QAM	1	3	23.05	23.17	23.08		
1.4	16QAM	1	5	23.09	23.11	23.01	24	1
1.4	16QAM	3	0	23.01	23.01	23.07		
1.4	16QAM	3	1	23.05	23.04	23.00		
1.4	16QAM	3	3	23.08	23.02	22.84	23	2
1.4	16QAM	6	0	22.08	22.12	22.15		
1.4	16QAM	6	0	22.08	22.12	22.15		

Band 12

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20900	Power Middle Ch. / Freq. 21000	Power High Ch. / Freq. 21100	Tune-up limit (dBm)	MPR (dB)
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	0	24.25	24.53	24.36	25	0
10	QPSK	1	25	24.51	24.35	24.34		
10	QPSK	1	49	24.44	24.44	24.51		
10	QPSK	25	0	23.53	23.63	23.61	24	1
10	QPSK	25	12	23.54	23.56	23.55		
10	QPSK	25	25	23.58	23.60	23.59		
10	QPSK	50	0	23.57	23.68	23.65	24	1
10	16QAM	1	0	23.40	23.59	23.57		
10	16QAM	1	25	23.78	23.72	23.76		
10	16QAM	1	49	23.63	23.73	23.60	23	2
10	16QAM	25	0	22.49	22.61	22.55		
10	16QAM	25	12	22.50	22.48	22.49		
10	16QAM	25	25	22.53	22.53	22.55	23	2
10	16QAM	50	0	22.52	22.53	22.61		
10	16QAM	50	0	22.53	22.55	22.61		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	0	24.45	24.44	24.42	25	0
5	QPSK	1	12	24.43	24.29	24.45		
5	QPSK	1	24	24.47	24.30	24.35		
5	QPSK	12	0	23.96	23.99	23.80	24	1
5	QPSK	12	7	23.98	23.86	23.82		
5	QPSK	12	13	23.63	23.60	23.69		
5	QPSK	25	0	23.69	23.51	23.52	24	1
5	16QAM	1	0	23.95	23.92	23.47		
5	16QAM	1	12	23.80	23.73	23.58		
5	16QAM	1	24	23.69	23.62	23.75	23	2
5	16QAM	12	5	22.50	22.55	22.52		
5	16QAM	12	7	22.47	22.44	22.56		
5	16QAM	12	13	22.42	22.49	22.45	23	2
5	16QAM	25	0	22.62	22.41	22.54		
5	16QAM	25	0	22.62	22.41	22.54		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
3	QPSK	1	0	24.40	24.39	24.47	25	0
3	QPSK	1	8	24.25	24.28	24.27		
3	QPSK	1	14	24.30	24.30	24.46		
3	QPSK	8	0	23.69	23.55	23.68	24	1
3	QPSK	8	4	23.63	23.51	23.59		
3	QPSK	8	7	23.99	23.70	23.59		
3	QPSK	15	0	23.52	23.52	23.54	24	1
3	16QAM	1	0	23.51	23.49	23.45		
3	16QAM	1	8	23.76	23.81	23.82		
3	16QAM	1	14	23.60	23.63	23.70	23	2
3	16QAM	8	0	22.52	22.58	22.56		
3	16QAM	8	4	22.52	22.38	22.50		
3	16QAM	8	7	22.50	22.51	22.46	23	2
3	16QAM	15	0	22.50	22.43	22.49		
3	16QAM	15	0	22.50	22.43	22.49		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
1.4	QPSK	1	0	24.13	24.17	24.07	25	0
1.4	QPSK	1	3	24.06	24.01	24.00		
1.4	QPSK	1	5	23.95	24.03	24.05		
1.4	QPSK	3	0	24.10	24.02	24.10	24	1
1.4	QPSK	3	1	23.88	24.02	23.87		
1.4	QPSK	3	3	24.00	24.05	23.86		
1.4	QPSK	6	0	23.34	23.28	23.14	24	1
1.4	16QAM	1	0	23.16	23.27	23.23		
1.4	16QAM	1	3	23.27	23.25	23.34		
1.4	16QAM	1	5	23.29	23.31	23.36	24	1
1.4	16QAM	3	0	23.08	23.19	23.27		
1.4	16QAM	3	1	23.30	23.23	23.10		
1.4	16QAM	3	3	23.21	23.28	23.38	23	2
1.4	16QAM	6	0	22.08	22.23	22.13		
1.4	16QAM	6	0	22.08	22.23	22.13		



Band 14

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				2330.5	793		25	0
Frequency (MHz)				793				
10	QPSK	1	0		24.26		24	1
10	QPSK	1	25		24.17			
10	QPSK	1	49		24.14			
10	QPSK	25	0		23.29			
10	QPSK	25	12		23.25		23	2
10	QPSK	25	25		23.22			
10	QPSK	50	0		23.27			
10	16QAM	1	0		23.38			
10	16QAM	1	25		23.50		24	1
10	16QAM	1	49		23.35			
10	16QAM	25	0		22.24			
10	16QAM	25	12		22.26			
10	16QAM	25	25		22.17		23	2
10	16QAM	50	0		22.23			
Channel				2330.5	2333.5	2336.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	0	24.03	24.07	24.06	25	0
5	QPSK	1	12	24.15	24.23	24.25		
5	QPSK	1	24	23.99	24.08	24.01		
5	QPSK	12	0	23.14	23.19	23.21		
5	QPSK	12	7	23.18	23.25	23.35	24	1
5	QPSK	12	13	23.16	23.13	23.09		
5	QPSK	25	0	23.19	23.19	23.25		
5	16QAM	1	0	23.23	23.31	23.27		
5	16QAM	1	12	23.45	23.50	23.52	24	1
5	16QAM	1	24	23.29	23.34	23.33		
5	16QAM	12	0	22.15	22.19	22.21		
5	16QAM	12	7	22.22	22.24	22.23		
5	16QAM	12	13	22.18	22.18	22.12	23	2
5	16QAM	25	0	22.17	22.21	22.17		

Band 30

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							24.5	0
Frequency (MHz)								
10	QPSK	1	0		23.35			1
10	QPSK	1	25		23.28			
10	QPSK	1	49		23.28			
10	QPSK	25	0		22.27			
10	QPSK	25	12		22.21		23.5	1
10	QPSK	25	25		22.17			
10	QPSK	50	0		22.20			
10	16QAM	1	0		22.19		23.5	1
10	16QAM	1	25		22.21			
10	16QAM	1	49		22.24			
10	16QAM	25	0		21.23			
10	16QAM	25	12		21.26		22.5	2
10	16QAM	25	25		21.20			
10	16QAM	50	0		21.20			
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	0	23.30	23.25	23.29	24.5	0
5	QPSK	1	12	23.20	23.18	23.25		
5	QPSK	1	24	23.18	23.24	23.30		
5	QPSK	12	0	22.28	22.17	22.45		
5	QPSK	12	7	22.14	22.14	22.19	23.5	1
5	QPSK	12	13	22.07	22.16	22.11		
5	QPSK	25	0	22.17	22.16	22.14		
5	16QAM	1	0	22.10	22.18	22.10		
5	16QAM	1	12	22.15	22.13	22.17	23.5	1
5	16QAM	1	24	22.16	22.23	22.18		
5	16QAM	12	0	21.19	21.19	21.14		
5	16QAM	12	7	21.18	21.19	21.23		
5	16QAM	12	13	21.17	21.14	21.13	22.5	2
5	16QAM	25	0	21.15	21.10	21.13		

Band 66

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq 150092	Power Middle Ch. Freq 150102	Power High Ch. Freq 150192	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	24.32	24.35	24.28	25	0
20	QPSK	1	40	24.30	24.31	24.23		
20	QPSK	1	80	23.84	24.02	23.82		
20	QPSK	50	0	23.32	23.35	23.30	24	1
20	QPSK	50	24	23.28	23.30	23.28		
20	QPSK	50	50	23.17	23.28	23.11		
20	QPSK	100	0	23.23	23.25	23.24	24	1
20	16QAM	1	0	23.21	23.29	23.11		
20	16QAM	1	40	23.52	23.52	23.46		
20	16QAM	1	90	23.13	23.05	23.08	23	2
20	16QAM	50	0	22.29	22.22	22.33		
20	16QAM	50	24	22.25	22.29	22.28		
20	16QAM	50	50	22.18	22.21	22.05	23	2
20	16QAM	100	0	22.19	22.23	22.20		
Channel								
Frequency (MHz)								
15	QPSK	1	0	24.27	24.23	24.18	25	0
15	QPSK	1	37	24.12	24.15	24.28		
15	QPSK	1	74	23.89	23.88	23.84		
15	QPSK	36	0	23.27	23.33	23.43	24	1
15	QPSK	36	20	23.30	23.29	23.36		
15	QPSK	36	39	23.37	23.30	23.16		
15	QPSK	78	0	23.15	23.31	23.14	24	1
15	16QAM	1	0	23.23	23.24	23.32		
15	16QAM	1	37	23.53	23.44	23.45		
15	16QAM	1	74	23.07	23.12	23.13	23	2
15	16QAM	36	0	22.10	22.20	22.12		
15	16QAM	36	20	22.19	22.29	22.33		
15	16QAM	36	39	22.08	22.26	22.26	23	2
15	16QAM	78	0	22.10	22.23	22.23		
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.24	24.18	24.20	25	0
10	QPSK	1	26	24.26	24.26	24.16		
10	QPSK	1	49	23.83	23.85	23.86		
10	QPSK	25	0	23.43	23.35	23.40	24	1
10	QPSK	25	19	23.18	23.24	23.25		
10	QPSK	25	25	23.38	23.31	23.15		
10	QPSK	50	0	23.12	23.35	23.29	24	1
10	16QAM	1	0	23.15	23.23	23.21		
10	16QAM	1	25	23.43	23.55	23.41		
10	16QAM	1	49	23.07	23.14	23.15	23	2
10	16QAM	25	0	22.11	22.10	22.27		
10	16QAM	25	12	22.19	22.14	22.19		
10	16QAM	25	16	22.08	22.06	22.11	23	2
10	16QAM	50	0	22.32	22.08	22.20		
Channel								
Frequency (MHz)								
5	QPSK	1	0	24.19	24.31	24.30	25	0
5	QPSK	1	12	24.28	24.23	24.12		
5	QPSK	1	24	23.85	23.88	23.85		
5	QPSK	12	0	23.34	23.31	23.30	24	1
5	QPSK	12	7	23.30	23.28	23.25		
5	QPSK	12	13	23.30	23.29	23.17		
5	QPSK	25	0	23.22	23.18	23.35	24	1
5	16QAM	1	0	23.30	23.23	23.18		
5	16QAM	1	12	23.43	23.41	23.39		
5	16QAM	1	24	22.85	23.11	22.86	23	2
5	16QAM	12	0	22.27	22.33	22.30		
5	16QAM	12	7	22.21	22.31	22.14		
5	16QAM	12	13	22.13	22.07	22.24	23	2
5	16QAM	25	0	22.30	22.32	22.22		
Channel								
Frequency (MHz)								
3	QPSK	1	0	24.21	24.21	24.26	25	0
3	QPSK	1	8	24.17	24.30	24.11		
3	QPSK	1	14	23.81	23.92	23.85		
3	QPSK	8	0	23.37	23.32	23.31	24	1
3	QPSK	8	4	23.19	23.21	23.35		
3	QPSK	8	7	23.29	23.35	23.14		
3	QPSK	15	0	23.17	23.35	23.12	24	1
3	16QAM	1	0	23.17	23.34	23.22		
3	16QAM	1	8	23.52	23.42	23.48		
3	16QAM	1	14	23.03	23.11	23.14	23	2
3	16QAM	8	0	22.22	22.25	22.22		
3	16QAM	8	4	22.37	22.33	22.24		
3	16QAM	8	7	22.06	22.14	22.26	23	2
3	16QAM	15	0	22.26	22.24	22.12		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	24.12	24.04	24.02	25	0
1.4	QPSK	1	3	25.01	24.01	24.00		
1.4	QPSK	1	5	23.96	23.98	24.01		
1.4	QPSK	3	0	24.03	24.01	24.03	24	1
1.4	QPSK	3	1	23.53	24.01	23.97		
1.4	QPSK	3	3	23.95	23.98	23.96		
1.4	QPSK	6	0	23.22	23.17	23.17	24	1
1.4	16QAM	1	0	23.01	23.15	23.06		
1.4	16QAM	1	3	23.09	23.12	23.14		
1.4	16QAM	1	5	23.21	23.14	23.08	24	1
1.4	16QAM	3	0	23.14	23.18	23.26		
1.4	16QAM	3	1	23.17	23.12	23.07		
1.4	16QAM	3	3	23.15	23.15	23.00	23	2
1.4	16QAM	6	0	22.12	22.15	22.06		

Band 71

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								
Frequency (MHz)								
20	QPSK	1	0	24.08	24.23	24.18	25	0
20	QPSK	1	40	24.00	23.74	23.78		
20	QPSK	1	90	23.81	23.78	23.78		
20	QPSK	50	0	23.11	23.15	23.07	24	1
20	QPSK	50	24	23.04	23.13	22.95		
20	QPSK	50	50	22.81	22.86	22.79		
20	QPSK	100	0	23.00	23.09	22.74	24	1
20	16QAM	1	0	23.09	23.23	22.75		
20	16QAM	1	40	23.12	23.05	22.98		
20	16QAM	1	90	22.78	22.81	22.88	23	2
20	16QAM	50	0	22.14	21.94	21.77		
20	16QAM	50	24	22.13	21.76	21.72		
20	16QAM	50	50	21.80	21.72	21.78	23	2
20	16QAM	100	0	22.05	21.83	21.72		
Channel								
Frequency (MHz)								
15	QPSK	1	0	23.84	23.95	24.05	25	0
15	QPSK	1	37	23.86	23.89	23.84		
15	QPSK	1	74	23.76	23.69	23.74		
15	QPSK	36	0	22.75	22.91	22.85	24	1
15	QPSK	36	20	23.54	23.52	23.14		
15	QPSK	36	39	22.84	22.79	22.77		
15	QPSK	78	0	22.97	22.94	22.93	24	1
15	16QAM	1	0	23.19	23.02	23.16		
15	16QAM	1	37	22.99	22.98	23.08		
15	16QAM	1	74	22.79	22.75	22.86	23	2
15	16QAM	36	0	22.06	22.00	22.01		
15	16QAM	36	20	22.14	22.15	22.10		
15	16QAM	36	39	21.86	21.71	21.78	23	2
15	16QAM	78	0	22.07	22.11	22.07		
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.08	23.90	23.91	25	0
10	QPSK	1	26	23.89	23.96	23.93		
10	QPSK	1	49	23.76	23.75	23.89		
10	QPSK	25	0	22.89	22.71	22.90	24	1
10	QPSK	25	12	23.01	23.08	23.15		
10	QPSK	25	25	22.89	22.83	22.91		
10	QPSK	50	0	22.88	23.07	22.93	24	1
10	16QAM	1	0	23.84	23.87	23.02		
10	16QAM	1	25	23.16	22.98	22.97		
10	16QAM	1	49	22.72	22.67	22.68	23	2
10	16QAM	25	0	22.05	22.18	22.10		
10	16QAM	25	12	22.05	22.19	22.17	23	2
10	16QAM	25	25	21.71	21.73	21.73		
10	16QAM	50	0	22.08	22.02	22.09	23	2
10	16QAM	50	0	22.08	22.02	22.09		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.86	23.99	24.02	25	0
5	QPSK	1	12	23.94	23.93	23.98		
5	QPSK	1	24	23.86	23.86	23.84		
5	QPSK	12	0	22.74	22.72	22.73	24	1
5	QPSK	12	6	23.14	23.18	23.15		
5	QPSK	12	13	22.86	22.78	22.77		
5	QPSK	25	0	23.09	22.74	22.77	24	1
5	16QAM	1	0	23.12	22.99	22.96		
5	16QAM	1	12	23.12	23.03	23.00		
5	16QAM	1	24	22.68	22.76	22.77	23	2
5	16QAM	12	0	22.07	22.05	22.05		
5	16QAM	12	7	22.05	22.12	22.16	23	2
5	16QAM	12	13	21.86	21.80	21.68		
5	16QAM	25	0	22.10	22.11	22.10	23	2
5	16QAM	25	0	22.10	22.11	22.10		

Reduced Power for Sensor On

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189	251	128	189	251	
Frequency (MHz)		824.2	836.4	848.6	(dBm)	824.2	836.4	848.6
GSM 1 Tx slot		32.51	32.55	32.49	33.50	23.51	23.55	23.49
GPRS 1 Tx slot		32.54	32.57	32.54	33.50	23.54	23.57	23.54
GPRS 2 Tx slots		31.55	31.56	31.58	32.50	25.55	25.56	25.58
GPRS 3 Tx slots		29.46	29.49	29.52	30.50	25.20	25.23	25.26
GPRS 4 Tx slots		28.33	28.41	28.38	29.50	25.33	25.41	25.38
EDGE 1 Tx slot		26.34	26.54	26.55	27.50	17.34	17.54	17.55
EDGE 2 Tx slots		25.27	25.35	25.36	26.50	19.27	19.35	19.36
EDGE 3 Tx slots		22.89	22.87	22.79	24.00	18.63	18.61	18.53
EDGE 4 Tx slots		21.48	21.42	21.46	22.50	18.48	18.42	18.46

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661	810	512	661	810	
Frequency (MHz)		1850.2	1850	1900.8	(dBm)	1850.2	1850	1900.8
GSM 1 Tx slot		28.43	28.50	28.40	28.00	17.43	17.50	17.43
GPRS 1 Tx slot		26.38	26.40	26.24	28.00	17.38	17.40	17.24
GPRS 2 Tx slots		25.22	25.24	25.21	27.00	19.22	19.24	19.21
GPRS 3 Tx slots		23.02	23.17	23.04	24.50	18.76	18.91	18.78
GPRS 4 Tx slots		22.19	22.19	22.01	23.50	19.19	19.19	19.01
EDGE 1 Tx slot		22.06	22.22	22.14	24.00	13.06	13.22	13.14
EDGE 2 Tx slots		21.04	21.12	21.03	23.00	15.04	15.12	15.03
EDGE 3 Tx slots		19.21	19.23	19.20	20.50	14.95	14.97	14.94
EDGE 4 Tx slots		17.10	17.15	17.04	19.00	14.10	14.15	14.04

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4468	
Frequency (MHz)		1852.4	1860	1907.6	(dBm)	1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.27	20.33	20.21	21.50	20.54	20.55	20.52	21.50	23.11	23.13	23.15	24.50
3GPP Rel 99	RMC 12.2Kbps	20.44	20.45	20.43	21.50	20.56	20.63	20.53	21.50	23.16	23.18	23.16	24.50
3GPP Rel 6	HSDPA Subtest-1	19.43	19.44	19.39	20.50	19.26	19.23	19.18	20.50	21.97	21.94	22.01	23.50
3GPP Rel 6	HSDPA Subtest-2	19.41	19.43	19.37	20.50	19.27	19.22	19.20	20.50	22.01	21.85	21.91	23.50
3GPP Rel 6	HSDPA Subtest-3	18.90	18.94	18.89	20.00	18.74	18.71	18.75	20.00	21.50	21.43	21.45	23.00
3GPP Rel 6	HSDPA Subtest-4	18.88	18.94	18.91	20.00	18.86	18.77	18.71	20.00	21.47	21.31	21.30	23.00
3GPP Rel 6	DC-HSDPA Subtest-1	19.42	19.43	19.36	20.50	19.99	19.06	19.12	20.50	21.82	21.88	21.82	23.50
3GPP Rel 6	DC-HSDPA Subtest-2	19.35	19.43	19.37	20.50	19.97	19.07	19.07	20.50	21.81	21.84	21.79	23.50
3GPP Rel 6	DC-HSDPA Subtest-3	18.89	18.89	18.86	20.00	18.56	18.64	18.58	20.00	21.31	21.36	21.28	23.00
3GPP Rel 6	DC-HSDPA Subtest-4	18.93	18.88	18.91	20.00	18.59	18.56	18.67	20.00	21.26	21.28	21.19	23.00
3GPP Rel 6	HSUPA Subtest-1	17.38	17.37	17.42	18.50	17.41	17.47	17.53	18.50	19.88	19.92	19.98	21.50
3GPP Rel 6	HSUPA Subtest-2	17.39	17.44	17.35	18.50	17.27	17.35	17.20	18.50	19.91	19.94	19.99	21.50
3GPP Rel 6	HSUPA Subtest-3	18.42	18.44	18.36	19.50	18.29	18.31	18.22	19.50	20.85	20.92	20.92	22.50
3GPP Rel 6	HSUPA Subtest-4	16.93	16.94	16.90	18.00	16.88	16.78	16.74	18.00	19.45	19.46	19.44	21.00
3GPP Rel 6	HSUPA Subtest-5	18.43	18.44	18.39	19.50	18.18	18.15	18.20	19.50	21.16	20.80	20.90	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.40	17.37	17.39	18.50	17.44	17.50	17.47	18.50	20.53	20.59	20.56	21.50

Band 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq 18700	Power Middle Ch / Freq 18900	Power High Ch / Freq 19100	Tune-up list (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.47	21.55	21.53	22	0		
20	QPSK	1	49	21.43	21.54	21.48				
20	QPSK	1	99	21.41	21.53	21.49				
20	QPSK	50	0	21.40	21.48	21.46				
20	QPSK	50	24	21.32	21.45	21.39	22	0		
20	QPSK	50	50	21.37	21.39	21.41				
20	QPSK	100	0	21.39	21.44	21.41				
20	16QAM	1	0	21.32	21.43	21.43				
20	16QAM	1	49	21.38	21.43	21.42	22	0		
20	16QAM	1	99	21.35	21.44	21.38				
20	16QAM	50	0	21.33	21.42	21.38				
20	16QAM	50	24	21.38	21.41	21.37				
20	16QAM	50	50	21.34	21.40	21.44	22	0		
20	16QAM	100	0	21.39	21.47	21.45				
Channel										
Frequency (MHz)										
15	QPSK	1	0	1897.5	1897	1892.5	22	0		
15	QPSK	1	37	21.46	21.45	21.45				
15	QPSK	1	74	21.51	21.49	21.47				
15	QPSK	36	0	21.45	21.42	21.41				
15	QPSK	36	20	21.38	21.35	21.43	22	0		
15	QPSK	36	39	21.33	21.37	21.30				
15	QPSK	75	0	21.41	21.37	21.42				
15	16QAM	1	0	21.35	21.39	21.40				
15	16QAM	1	37	21.38	21.37	21.35	22	0		
15	16QAM	1	74	21.34	21.40	21.42				
15	16QAM	36	0	21.36	21.34	21.41				
15	16QAM	36	20	21.35	21.36	21.38				
15	16QAM	36	39	21.35	21.35	21.31	22	0		
15	16QAM	75	0	21.42	21.37	21.37				
Channel										
Frequency (MHz)										
10	QPSK	1	0	1900	1900	1910	22	0		
10	QPSK	1	25	21.48	21.45	21.52				
10	QPSK	1	49	21.44	21.45	21.46				
10	QPSK	25	0	21.42	21.39	21.47				
10	QPSK	25	12	21.44	21.39	21.38	22	0		
10	QPSK	25	25	21.38	21.34	21.38				
10	QPSK	50	0	21.38	21.41	21.35				
10	16QAM	1	0	21.36	21.38	21.38				
10	16QAM	1	25	21.37	21.40	21.33	22	0		
10	16QAM	1	49	21.39	21.40	21.40				
10	16QAM	25	0	21.40	21.39	21.33				
10	16QAM	25	12	21.33	21.38	21.35				
10	16QAM	36	25	21.35	21.39	21.36	22	0		
10	16QAM	50	0	21.45	21.37	21.43				
Channel										
Frequency (MHz)										
5	QPSK	1	0	1892.5	1890	1897.5	22	0		
5	QPSK	1	12	21.47	21.50	21.51				
5	QPSK	1	24	21.47	21.50	21.52				
5	QPSK	1	24	21.44	21.44	21.51				
5	QPSK	12	0	21.45	21.43	21.45	22	0		
5	QPSK	12	7	21.44	21.36	21.39				
5	QPSK	12	13	21.32	21.30	21.31				
5	QPSK	25	0	21.40	21.43	21.43				
5	16QAM	1	0	21.39	21.42	21.35	22	0		
5	16QAM	1	12	21.33	21.35	21.39				
5	16QAM	1	24	21.42	21.36	21.34				
5	16QAM	12	0	21.35	21.40	21.36				
5	16QAM	12	7	21.33	21.37	21.37	22	0		
5	16QAM	12	13	21.32	21.33	21.30				
5	16QAM	25	0	21.43	21.43	21.42				
Channel										
Frequency (MHz)										
3	QPSK	1	0	1891.5	1890	1891.5	22	0		
3	QPSK	1	8	21.48	21.51	21.52				
3	QPSK	1	16	21.48	21.47	21.51				
3	QPSK	8	0	21.52	21.43	21.52				
3	QPSK	8	4	21.44	21.42	21.43	22	0		
3	QPSK	8	4	21.36	21.41	21.43				
3	QPSK	8	7	21.29	21.35	21.29				
3	QPSK	15	0	21.35	21.37	21.34				
3	16QAM	1	0	21.42	21.41	21.35	22	0		
3	16QAM	1	8	21.33	21.40	21.36				
3	16QAM	1	14	21.37	21.38	21.43				
3	16QAM	8	0	21.34	21.41	21.40				
3	16QAM	8	4	21.36	21.31	21.38	22	0		
3	16QAM	8	7	21.38	21.36	21.30				
3	16QAM	15	0	21.44	21.41	21.39				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	1890.7	1890.3	1890.3	22	0		
1.4	QPSK	1	3	21.51	21.46	21.52				
1.4	QPSK	1	5	21.40	21.53	21.44				
1.4	QPSK	1	5	21.47	21.47	21.50				
1.4	QPSK	3	0	21.46	21.40	21.39	22	0		
1.4	QPSK	3	1	21.40	21.40	21.41				
1.4	QPSK	3	3	21.30	21.38	21.35				
1.4	QPSK	6	0	21.42	21.40	21.38				
1.4	16QAM	1	0	21.41	21.41	21.34	22	0		
1.4	16QAM	1	3	21.40	21.39	21.39				
1.4	16QAM	1	5	21.42	21.42	21.40				
1.4	16QAM	3	0	21.40	21.35	21.34				
1.4	16QAM	3	1	21.40	21.31	21.35	22	0		
1.4	16QAM	3	3	21.32	21.34	21.36				
1.4	16QAM	6	0	21.38	21.42	21.46				

Band 4

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up list (dBm)	MPR (dB)		
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq				
				20050	20175	20300				
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.28	21.36	21.35	22	0		
20	QPSK	1	48	21.27	21.27	21.29				
20	QPSK	1	99	21.22	21.35	21.34				
20	QPSK	50	0	21.21	21.28	21.30				
20	QPSK	50	24	21.19	21.26	21.28	22	0		
20	QPSK	50	50	21.19	21.20	21.26				
20	QPSK	100	0	21.17	21.22	21.22				
20	16QAM	1	0	21.20	21.19	21.28				
20	16QAM	1	48	21.17	21.24	21.21	22	0		
20	16QAM	1	99	21.19	21.19	21.21				
20	16QAM	50	0	21.15	21.27	21.23				
20	16QAM	50	24	21.18	21.27	21.28				
20	16QAM	50	50	21.19	21.19	21.25	22	0		
20	16QAM	100	0	21.16	21.22	21.28				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.31	21.32	21.32	22	0		
15	QPSK	1	37	21.22	21.21	21.18				
15	QPSK	1	74	21.31	21.29	21.25				
15	QPSK	36	0	21.27	21.22	21.25				
15	QPSK	36	20	21.25	21.25	21.21	22	0		
15	QPSK	36	39	21.13	21.15	21.11				
15	QPSK	75	0	21.14	21.19	21.16				
15	16QAM	1	0	21.13	21.11	21.12				
15	16QAM	1	37	21.20	21.17	21.19	22	0		
15	16QAM	1	74	21.12	21.12	21.13				
15	16QAM	36	0	21.23	21.17	21.26				
15	16QAM	36	20	21.18	21.24	21.23				
15	16QAM	36	39	21.18	21.15	21.09	22	0		
15	16QAM	75	0	21.15	21.20	21.17				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.27	21.29	21.29	22	0		
10	QPSK	1	25	21.26	21.26	21.25				
10	QPSK	1	49	21.33	21.31	21.31				
10	QPSK	25	0	21.24	21.25	21.18				
10	QPSK	25	12	21.17	21.24	21.24	22	0		
10	QPSK	25	25	21.16	21.11	21.15				
10	QPSK	50	0	21.19	21.21	21.19				
10	16QAM	1	0	21.14	21.15	21.14				
10	16QAM	1	25	21.17	21.22	21.14	22	0		
10	16QAM	1	49	21.13	21.15	21.17				
10	16QAM	25	0	21.20	21.19	21.28				
10	16QAM	25	12	21.23	21.26	21.18	22	0		
10	16QAM	25	25	21.15	21.12	21.12				
10	16QAM	50	0	21.19	21.16	21.20				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.25	21.25	21.25	22	0		
5	QPSK	1	12	21.18	21.25	21.24				
5	QPSK	1	24	21.31	21.26	21.30				
5	QPSK	12	0	21.27	21.23	21.18				
5	QPSK	12	7	21.21	21.16	21.23	22	0		
5	QPSK	12	13	21.13	21.16	21.12				
5	QPSK	25	0	21.15	21.18	21.17				
5	16QAM	1	0	21.10	21.12	21.13				
5	16QAM	1	12	21.23	21.14	21.15	22	0		
5	16QAM	1	24	21.09	21.12	21.11				
5	16QAM	12	0	21.24	21.22	21.20				
5	16QAM	12	12	21.20	21.19	21.28				
5	16QAM	12	13	21.12	21.13	21.13	22	0		
5	16QAM	25	0	21.15	21.21	21.14				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.27	21.28	21.31	22	0		
3	QPSK	1	6	21.17	21.19	21.24				
3	QPSK	1	14	21.26	21.29	21.27				
3	QPSK	6	0	21.26	21.22	21.25				
3	QPSK	6	4	21.17	21.16	21.20	22	0		
3	QPSK	6	7	21.11	21.18	21.13				
3	QPSK	15	0	21.18	21.12	21.16				
3	16QAM	1	0	21.09	21.09	21.12				
3	16QAM	1	6	21.15	21.19	21.17	22	0		
3	16QAM	1	14	21.10	21.11	21.10				
3	16QAM	6	0	21.25	21.19	21.20				
3	16QAM	6	4	21.25	21.20	21.18				
3	16QAM	6	8	21.11	21.17	21.17	22	0		
3	16QAM	15	0	21.19	21.11	21.13				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.27	20.95	20.99	22	0		
1.4	QPSK	1	6	21.28	17.07	17.24.3				
1.4	QPSK	1	5	21.28	21.34	21.29				
1.4	QPSK	3	0	21.27	21.23	21.18				
1.4	QPSK	3	3	21.16	21.22	21.21	22	0		
1.4	QPSK	3	3	21.18	21.17	21.16				
1.4	16QAM	6	0	21.19	21.15	21.15				
1.4	16QAM	1	3	21.20	21.16	21.21				
1.4	16QAM	1	5	21.21	21.17	21.20	22	0		
1.4	16QAM	1	14	21.22	21.25	21.25				
1.4	16QAM	3	1	21.19	21.17	21.20				
1.4	16QAM	3	3	21.15	21.10	21.12				
1.4	16QAM	3	3	21.13	21.12	21.12	22	0		
1.4	16QAM	3	3	21.15	21.10	21.12				
1.4	16QAM	3	3	21.13	21.12	21.12				
1.4	16QAM	3	3	21.15	21.15	21.15				

Band 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq 20400	Power Middle Ch. Freq 20500	Power High Ch. Freq 20600	Tune-up limit (dBm)	MPR (dB)		
Channel				700	836.5	844				
Frequency (MHz)				24.19	24.19	24.19				
10	QPSK	1	0	24.19	24.28	24.05	25	0		
10	QPSK	1	25	24.11	24.24	24.02				
10	QPSK	1	49	24.06	24.15	24.00				
10	QPSK	25	0	23.30	23.32	23.26	24	1		
10	QPSK	25	12	23.25	23.30	23.21				
10	QPSK	25	25	23.17	23.20	23.16				
10	QPSK	80	0	23.33	23.35	23.29	24	1		
10	16QAM	1	0	23.42	23.37	23.31				
10	16QAM	1	25	23.38	23.46	23.44				
10	16QAM	1	49	23.33	23.29	23.34	23	2		
10	16QAM	25	0	22.27	22.21	22.25				
10	16QAM	25	12	22.26	22.34	22.28				
10	16QAM	25	25	22.28	22.18	22.19	23	2		
10	16QAM	50	0	22.27	22.19	22.28				
Channel				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				24.15	24.15	24.15				
5	QPSK	1	0	24.22	24.27	24.21	25	0		
5	QPSK	1	12	24.23	24.22	24.11				
5	QPSK	1	24	23.95	23.98	23.96				
5	QPSK	12	0	23.88	23.42	23.31	24	1		
5	QPSK	12	7	23.21	23.19	23.11				
5	QPSK	12	13	23.27	23.07	23.08				
5	QPSK	25	0	23.44	23.25	23.30	24	1		
5	16QAM	1	0	23.30	23.47	23.22				
5	16QAM	1	12	23.96	23.49	23.49				
5	16QAM	1	24	23.30	23.28	23.38	23	2		
5	16QAM	12	0	22.29	22.15	22.21				
5	16QAM	12	7	22.20	22.27	22.29				
5	16QAM	12	13	22.03	22.15	22.21	24	1		
5	16QAM	25	0	22.24	22.05	22.28				
Channel				20415	20505	20543	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	847.5				
3	QPSK	1	0	24.22	24.13	24.15	25	0		
3	QPSK	1	8	24.21	24.24	24.18				
3	QPSK	1	14	24.08	24.05	24.06				
3	QPSK	8	0	23.42	23.32	23.22	24	1		
3	QPSK	8	4	23.22	23.26	23.22				
3	QPSK	8	7	23.19	23.27	23.07				
3	QPSK	15	0	23.30	23.28	23.24	24	1		
3	16QAM	1	0	23.45	23.28	23.46				
3	16QAM	1	8	23.50	23.52	23.48				
3	16QAM	1	14	23.38	23.22	23.18	23	2		
3	16QAM	8	0	22.28	22.18	22.17				
3	16QAM	8	4	22.14	22.23	22.11				
3	16QAM	8	7	22.18	22.34	22.03	24	1		
3	16QAM	15	0	22.06	22.25	22.05				
Channel				20407	20505	20543	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.2	834.5	843.3				
1.4	QPSK	1	0	23.80	23.94	23.98	25	0		
1.4	QPSK	1	3	23.89	24.02	24.12				
1.4	QPSK	1	6	23.90	23.98	23.98				
1.4	QPSK	3	0	23.89	23.80	23.85	24	1		
1.4	QPSK	3	1	24.08	24.01	24.00				
1.4	QPSK	3	3	24.01	23.97	23.93				
1.4	QPSK	6	0	23.05	23.07	23.15	24	1		
1.4	16QAM	1	0	23.18	23.11	23.07				
1.4	16QAM	1	3	23.05	23.17	23.08				
1.4	16QAM	1	5	23.09	23.11	23.01	23	2		
1.4	16QAM	3	0	23.01	23.09	23.07				
1.4	16QAM	3	1	23.05	23.04	23.00				
1.4	16QAM	3	3	23.08	23.02	22.94	24	1		
1.4	16QAM	6	0	22.09	22.12	22.15				

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				704	707.5	711	24.10		
Frequency (MHz)									
10	QPSK	1	0	24.25	24.53	24.36	25	0	
10	QPSK	1	25	24.51	24.34	24.34			
10	QPSK	1	49	24.44	24.44	24.51			
10	QPSK	25	0	23.53	23.63	23.61	24	1	
10	QPSK	25	12	23.54	23.56	23.55			
10	QPSK	25	25	23.58	23.60	23.59			
10	QPSK	50	0	23.57	23.68	23.65	24	1	
10	16QAM	1	0	23.40	23.59	23.57			
10	16QAM	1	25	23.78	23.72	23.76			
10	16QAM	1	49	23.63	23.73	23.60	23	2	
10	16QAM	25	0	22.49	22.51	22.55			
10	16QAM	25	12	22.50	22.49	22.49			
10	16QAM	25	25	22.53	22.53	22.55	24	1	
10	16QAM	50	0	22.52	22.53	22.61			
Channel				23035	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.45	24.44	24.42	25	0	
5	QPSK	1	12	24.43	24.29	24.45			
5	QPSK	1	24	24.47	24.30	24.35			
5	QPSK	12	0	23.96	23.99	23.80	24	1	
5	QPSK	12	7	23.99	23.46	23.62			
5	QPSK	12	13	23.83	23.60	23.69			
5	QPSK	25	0	23.65	23.51	23.52	24	1	
5	16QAM	1	0	23.99	23.52	23.47			
5	16QAM	1	12	23.80	23.73	23.68			
5	16QAM	1	24	23.69	23.62	23.75	23	2	
5	16QAM	12	0	22.50	22.55	22.52			
5	16QAM	12	7	22.47	22.44	22.56			
5	16QAM	12	13	22.42	22.49	22.45	24	1	
5	16QAM	25	0	22.62	22.41	22.54			
Channel				23026	23096	23166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.49	24.39	24.47	25	0	
3	QPSK	1	8	24.29	24.28	24.27			
3	QPSK	1	14	24.35	24.38	24.48			
3	QPSK	8	0	23.69	23.55	23.68	24	1	
3	QPSK	8	4	23.63	23.51	23.59			
3	QPSK	8	7	23.69	23.70	23.59			
3	QPSK	15	0	23.52	23.52	23.54	24	1	
3	16QAM	1	0	23.51	23.49	23.45			
3	16QAM	1	8	23.76	23.81	23.82			
3	16QAM	1	14	23.60	23.63	23.70	23	2	
3	16QAM	8	0	22.52	22.58	22.36			
3	16QAM	8	4	22.52	22.48	22.50			
3	16QAM	8	7	22.50	22.51	22.46	24	1	
3	16QAM	15	0	22.86	22.43	22.49			
Channel				23017	23077	23137	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.13	24.17	24.07	25	0	
1.4	QPSK	1	24	24.06	24.01	24.20			
1.4	QPSK	1	5	23.85	24.03	24.05			
1.4	QPSK	3	0	24.10	24.02	24.10	24	1	
1.4	QPSK	3	1	23.88	24.02	23.97			
1.4	QPSK	3	3	24.05	24.05	24.05			
1.4	QPSK	6	0	23.84	23.98	24.14	24	1	
1.4	16QAM	1	0	23.16	23.27	23.23			
1.4	16QAM	1	3	23.27	23.26	23.34			
1.4	16QAM	1	3	23.29	23.31	23.36	24	1	
1.4	16QAM	3	0	23.08	23.19	23.27			
1.4	16QAM	3	1	23.30	23.23	23.16			
1.4	16QAM	3	3	23.21	23.28	23.38	23	2	
1.4	16QAM	6	0	22.08	22.23	22.13			



Band 14									
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				23330					
Frequency (MHz)							25	0	
10	QPSK	1	0		24.25				
10	QPSK	1	25		24.17				
10	QPSK	1	49		24.14				
10	QPSK	25	0		23.29		24	1	
10	QPSK	25	12		23.26				
10	QPSK	25	25		23.22				
10	QPSK	50	0		23.27				
10	16QAM	1	0		23.38		24	1	
10	16QAM	1	25		23.36				
10	16QAM	1	49		23.35				
10	16QAM	25	0		22.34				
10	16QAM	25	12		22.28		23	2	
10	16QAM	25	25		22.17				
10	16QAM	50	0		22.23				
Channel				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				793.5	796.5	799.5			
5	QPSK	1	0	24.03	24.07	24.08	25	0	
5	QPSK	1	12	24.15	24.23	24.25			
5	QPSK	1	24	23.99	24.08	24.11			
5	QPSK	12	0	23.14	23.19	23.21			
5	QPSK	12	7	23.18	23.23	23.26	24	1	
5	QPSK	12	13	23.16	23.13	23.09			
5	QPSK	25	0	23.19	23.19	23.20			
5	16QAM	1	0	23.23	23.31	23.37			
5	16QAM	1	12	23.45	23.50	23.52	24	1	
5	16QAM	1	24	23.28	23.34	23.33			
5	16QAM	12	0	22.15	22.19	22.21			
5	16QAM	12	7	22.22	22.24	22.23			
5	16QAM	12	13	22.18	22.18	22.12	23	2	
5	16QAM	25	0	22.17	22.21	22.17			

Band 30									
BW [MHz]	Modulation	Channel	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)					2771.6				
10	QPSK	1	0			20.32		21.5	0
10	QPSK	1	25			20.25			
10	QPSK	1	49			20.31			
10	QPSK	25	0			20.30			
10	QPSK	25	12			20.21		21.5	0
10	QPSK	25	25			20.22			
10	QPSK	50	0			20.20			
10	16QAM	1	0			20.21			
10	16QAM	1	25			20.27		21.5	0
10	16QAM	1	49			20.25			
10	16QAM	25	0			20.22			
10	16QAM	25	12			20.20			
10	16QAM	25	25			20.25		21.5	0
10	16QAM	50	0			20.21			
Channel Frequency (MHz)					2769.6	2771.6	2773.6	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0		20.27	20.23	20.28		
5	QPSK	1	12		20.19	20.23	20.24	21.5	0
5	QPSK	1	24		20.30	20.21	20.24		
5	QPSK	12	0		20.22	20.27	20.27		
5	QPSK	12	7		20.17	20.18	20.16		
5	QPSK	12	13		20.18	20.12	20.15	21.5	0
5	QPSK	25	0		20.19	20.12	20.15		
5	16QAM	1	0		20.18	20.15	20.15		
5	16QAM	1	12		20.22	20.25	20.25		
5	16QAM	1	24		20.21	20.16	20.20	21.5	0
5	16QAM	12	0		20.16	20.15	20.21		
5	16QAM	12	7		20.10	20.19	20.11		
5	16QAM	12	13		20.19	20.24	20.29		
5	16QAM	25	0		20.16	20.11	20.19	21.5	0

Band 66

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 133022	Power Middle Ch. Freq. 133032	Power High Ch. Freq. 133072	Tune-up limit (dBm)	MPR (dB)	
Channel							Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	0	1720	1745	1770	22	0	
20	QPSK	1	49	2137	2148	2157			
20	QPSK	1	99	2129	2137	2130			
20	QPSK	50	0	2135	2144	2132			
20	QPSK	50	24	2127	2136	2123	22	0	
20	QPSK	50	50	2126	2135	2123			
20	QPSK	100	0	2132	2142	2134			
20	16QAM	1	0	2131	2144	2129			
20	16QAM	1	49	2136	2136	2134	22	0	
20	16QAM	1	99	2132	2136	2133			
20	16QAM	50	0	2128	2142	2131			
20	16QAM	50	24	2135	2137	2136			
20	16QAM	50	50	2135	2141	2130	22	0	
20	16QAM	100	0	2128	2142	2136			
Channel							Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	0	1717.5	1745	1772.5	22	0	
15	QPSK	1	37	2128	2142	2132			
15	QPSK	1	74	2132	2139	2129			
15	QPSK	1	74	2133	2142	2133			
15	QPSK	36	0	2131	2140	2131	22	0	
15	QPSK	36	20	2130	2144	2130			
15	QPSK	36	39	2133	2137	2131			
15	QPSK	75	0	2135	2137	2128			
15	16QAM	1	0	2131	2137	2136	22	0	
15	16QAM	1	37	2135	2149	2130			
15	16QAM	1	74	2133	2143	2135			
15	16QAM	36	0	2136	2142	2136			
15	16QAM	36	20	2134	2142	2128	22	0	
15	16QAM	36	39	2132	2140	2129			
15	16QAM	75	0	2130	2141	2132			
15	16QAM	75	0	2130	2141	2132			
Channel								Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)									
10	QPSK	1	0	1719.7	1745	1769.7	22	0	
10	QPSK	1	25	2134	2138	2129			
10	QPSK	1	49	2134	2140	2130			
10	QPSK	25	0	2135	2140	2131			
10	QPSK	25	0	2132	2134	2136	22	0	
10	QPSK	25	25	2131	2141	2136			
10	QPSK	50	0	2133	2143	2135			
10	16QAM	1	0	2135	2136	2134			
10	16QAM	1	25	2135	2138	2130	22	0	
10	16QAM	1	49	2131	2141	2128			
10	16QAM	25	0	2128	2139	2132			
10	16QAM	25	12	2130	2144	2133			
10	16QAM	25	25	2132	2139	2128	22	0	
10	16QAM	50	0	2128	2143	2128			
10	16QAM	50	0	2128	2143	2128			
10	16QAM	25	0	2128	2139	2132			
Channel								Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)									
5	QPSK	1	0	1717.3	1745	1772.3	22	0	
5	QPSK	1	12	2132	2136	2131			
5	QPSK	1	24	2129	2141	2131			
5	QPSK	12	0	2131	2137	2134			
5	QPSK	12	7	2129	2143	2132	22	0	
5	QPSK	12	13	2136	2136	2136			
5	QPSK	25	0	2136	2140	2128			
5	16QAM	1	0	2135	2139	2133			
5	16QAM	1	12	2136	2142	2132	22	0	
5	16QAM	1	24	2134	2139	2133			
5	16QAM	12	0	2136	2141	2138			
5	16QAM	12	7	2133	2143	2128			
5	16QAM	12	13	2134	2140	2128	22	0	
5	16QAM	25	0	2128	2139	2132			
5	16QAM	25	0	2128	2139	2132			
5	16QAM	15	0	2129	2144	2134			
Channel								Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)									
3	QPSK	1	0	1711.5	1745	1775.5	22	0	
3	QPSK	1	8	2136	2143	2133			
3	QPSK	1	14	2128	2138	2133			
3	QPSK	8	0	2132	2141	2132			
3	QPSK	8	4	2135	2144	2130	22	0	
3	QPSK	8	7	2134	2139	2134			
3	QPSK	15	0	2130	2139	2129			
3	16QAM	1	0	2128	2140	2130			
3	16QAM	1	8	2132	2142	2133	22	0	
3	16QAM	1	14	2136	2138	2136			
3	16QAM	8	0	2134	2138	2131			
3	16QAM	8	4	2132	2143	2129			
3	16QAM	8	7	2133	2137	2132	22	0	
3	16QAM	15	0	2129	2144	2134			
3	16QAM	15	0	2129	2144	2134			
3	16QAM	15	0	2129	2144	2134			
Channel								Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)									
1.4	QPSK	1	0	1710.7	1745	1779.3	22	0	
1.4	QPSK	1	0	2136	2138	2128			
1.4	QPSK	1	5	2134	2143	2135			
1.4	QPSK	3	0	2135	2140	2133			
1.4	QPSK	3	1	2128	2140	2133	22	0	
1.4	QPSK	3	3	2130	2143	2134			
1.4	QPSK	6	0	2136	2138	2130			
1.4	16QAM	1	0	2135	2144	2131			
1.4	16QAM	1	3	2132	2138	2134	22	0	
1.4	16QAM	1	5	2132	2141	2133			
1.4	16QAM	3	0	2128	2144	2130			
1.4	16QAM	3	1	2135	2138	2129			
1.4	16QAM	3	1	2133	2141	2132	22	0	
1.4	16QAM	6	0	2136	2137	2130			
1.4	16QAM	6	0	2136	2137	2130			
1.4	16QAM	6	0	2136	2137	2130			

Band 71

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 133022	Power Middle Ch. Freq. 133032	Power High Ch. Freq. 133072	Tune-up limit (dBm)	MPR (dB)
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	QPSK	1	0	24.08	24.15	24.18	25	0
20	QPSK	1	49	24.00	23.74	23.78		
20	QPSK	1	99	23.81	23.78	23.78		
20	QPSK	50	0	23.11	23.15	23.07		
20	QPSK	50	24	23.04	23.13	22.95	24	1
20	QPSK	50	50	22.81	22.88	22.85		
20	QPSK	100	0	23.00	23.09	22.74		
20	16QAM	1	0	23.09	23.23	22.75		
20	16QAM	1	49	23.12	23.02	22.78	24	1
20	16QAM	1	99	22.78	22.81	22.88		
20	16QAM	50	0	22.14	21.94	21.77		
20	16QAM	50	24	22.13	21.76	21.72		
20	16QAM	50	24	21.80	21.72	21.78	23	2
20	16QAM	50	50	21.80	21.78	21.78		
20	16QAM	100	0	22.05	21.83	21.72		
20	16QAM	100	0	22.07	21.80	21.72		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	0	23.84	23.98	24.05	25	0
15	QPSK	1	37	23.86	23.84	23.84		
15	QPSK	1	74	23.76	23.69	23.74		
15	QPSK	36	0	22.75	22.91	22.85		
15	QPSK	36	20	23.24	23.25	23.14	24	1
15	QPSK	36	39	22.84	22.79	22.77		
15	QPSK	75	0	22.97	22.94	22.93		
15	16QAM	1	0	23.15	23.02	23.16		
15	16QAM	1	37	22.99	22.98	23.08	24	1
15	16QAM	1	74	22.79	22.75	22.86		
15	16QAM	36	0	22.06	22.03	22.01		
15	16QAM	36	20	22.14	22.15	22.10		
15	16QAM	36	39	21.88	21.71	21.78	23	2
15	16QAM	75	0	22.07	22.11	22.07		
15	16QAM	75	0	22.07	22.11	22.07		
15	16QAM	75	0	22.07	22.11	22.07		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	0	24.08	24.15	24.18	25	0
10	QPSK	1	25	23.89	23.96	23.93		
10	QPSK	1	49	23.76	23.75	23.89		
10	QPSK	25	0	22.89	22.71	22.90		
10	QPSK	25	12	23.01	23.06	23.15	24	1
10	QPSK	25	25	22.89	22.87	22.91		
10	QPSK	25	50	22.88	23.03	23.03		
10	16QAM	1	0	23.04	22.97	23.02		
10	16QAM	1	25	23.16	22.96	22.97	24	1
10	16QAM	1	49	22.72	22.67	22.68		
10	16QAM	25	0	22.05	22.18	22.10		
10	16QAM	25	25	22.08	22.19	22.17		
10	16QAM	25	25	21.71	21.73	21.73	23	2
10	16QAM	25	0	22.08	22.02	22.09		
10	16QAM	25	0	22.08	22.02	22.09		
10	16QAM	25	0	22.08	22.02	22.09		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	0	23.85	23.99	24.02	24	1
5	QPSK	1	12	23.84	23.83	23.86		
5	QPSK	1	24	23.85	23.86	23.74		
5	QPSK	12	0	22.74	22.72	22.83		
5	QPSK	12	7	23.14	23.17	23.15	24	1
5	QPSK	12	13	22.86	22.78	22.77		
5	16QAM	25	0	23.09	22.94	22.88		
5	16QAM	1	0	23.12	22.98	22.96		
5	16QAM	1	12	23.12	23.03	23.00	24	1
5	16QAM	1	24	22.68	22.76	22.70		
5	16QAM	12	0	22.17	22.07	22.05		
5	16QAM	12	7	22.05	22.12	22.15		
5	16QAM	12	13	21.86	21.90	21.88	23	2
5	16QAM	25	0	22.10	22.11	21.96		
5	16QAM	25	0	22.10	22.11	21.96		
5	16QAM	25	0	22.10	22.11	21.96		

Power for Sensor Off

GSM850		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		128	189	251	Limit		128	189	251	Limit	
Frequency (MHz)		824.2	836.4	848.6	(dBm)		824.2	836.4	848.6	(dBm)	
GSM 1 Tx slot		32.51	32.55	32.49	33.50		23.51	23.55	23.49	24.50	
GPRS 1 Tx slot		32.54	32.57	32.54	33.50		23.54	23.57	23.54	24.50	
GPRS 2 Tx slots		31.55	31.56	31.58	32.50		25.55	25.56	25.58	26.50	
GPRS 3 Tx slots		29.46	29.49	29.52	30.50		25.20	25.23	25.26	26.24	
GPRS 4 Tx slots		28.33	28.41	28.38	29.50		25.33	25.41	25.38	26.50	
EDGE 1 Tx slot		26.34	26.54	26.55	27.50		17.34	17.54	17.55	18.50	
EDGE 2 Tx slots		25.27	25.35	25.36	26.50		19.27	19.35	19.36	20.50	
EDGE 3 Tx slots		22.89	22.87	22.79	24.00		18.63	18.61	18.53	19.74	
EDGE 4 Tx slots		21.48	21.42	21.46	22.50		18.48	18.42	18.46	19.50	

GSM1900		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1850.2	1850	1850.8	(dBm)		1850.2	1850	1850.8	(dBm)	
GSM 1 Tx slot		30.01	30.02	29.78	31.00		21.01	21.02	20.73	22.00	
GPRS 1 Tx slot		30.13	30.17	29.83	31.00		21.13	21.17	20.83	22.00	
GPRS 2 Tx slots		28.93	29.02	28.73	30.00		22.93	23.02	22.73	24.00	
GPRS 3 Tx slots		26.46	26.60	26.43	27.50		22.20	22.34	22.17	23.24	
GPRS 4 Tx slots		25.35	25.51	25.39	26.50		22.35	22.51	22.39	23.50	
EDGE 1 Tx slot		25.70	25.77	25.44	27.00		16.70	16.77	16.44	18.00	
EDGE 2 Tx slots		24.93	24.88	24.49	26.00		16.93	16.88	16.49	20.00	
EDGE 3 Tx slots		22.58	22.45	22.00	23.50		18.32	18.19	17.74	19.24	
EDGE 4 Tx slots		21.15	21.09	20.40	22.00		18.15	18.09	17.40	19.60	

Band		WCDMA II			Tune-up		WCDMA IV			Tune-up		WCDMA V			Tune-up	
TX Channel		9262	9400	9538	Limit		1312	1413	1513	Limit		4132	4182	4233	Limit	
Frequency (MHz)		1852.4	1850	1907.8	(dBm)		1712.4	1732.6	1752.6	(dBm)		826.4	836.4	846.6	(dBm)	
3GPP Rel 99	AMR 12.2Kbps	23.56	23.58	23.57	24.50		23.62	23.61	23.59	24.50		23.11	23.13	23.15	24.50	
3GPP Rel 99	RMC 12.2Kbps	23.67	23.68	23.56	24.50		23.64	23.65	23.61	24.50		23.16	23.18	23.16	24.50	
3GPP Rel 6	HSDPA Subtest-1	22.47	22.34	22.28	23.50		22.37	22.30	22.29	23.50		21.97	21.94	22.01	23.50	
3GPP Rel 6	HSDPA Subtest-2	22.38	22.25	22.17	23.50		22.26	22.31	22.25	23.50		22.01	21.85	21.91	23.50	
3GPP Rel 6	HSDPA Subtest-3	21.88	21.73	21.69	23.00		21.79	21.81	21.79	23.00		21.50	21.43	21.45	23.00	
3GPP Rel 6	HSDPA Subtest-4	21.87	21.69	21.67	23.00		21.87	21.79	21.81	23.00		21.47	21.31	21.30	23.00	
3GPP Rel 8	DC-HSDPA Subtest-1	22.36	22.31	22.28	23.50		22.08	22.11	22.15	23.50		21.82	21.88	21.82	23.50	
3GPP Rel 8	DC-HSDPA Subtest-2	22.28	22.22	22.20	23.50		22.05	22.09	22.18	23.50		21.61	21.64	21.79	23.50	
3GPP Rel 8	DC-HSDPA Subtest-3	21.63	21.65	21.59	23.00		21.62	21.68	21.70	23.00		21.31	21.36	21.28	23.00	
3GPP Rel 8	DC-HSDPA Subtest-4	21.61	21.53	21.58	23.00		21.62	21.64	21.69	23.00		21.26	21.28	21.19	23.00	
3GPP Rel 8	HSUPA Subtest-1	20.51	20.52	20.52	21.50		20.51	20.55	20.55	21.50		19.88	19.92	19.98	21.50	
3GPP Rel 8	HSUPA Subtest-2	20.44	20.35	20.27	21.50		20.36	20.39	20.31	21.50		19.91	19.94	19.99	21.50	
3GPP Rel 6	HSUPA Subtest-3	21.45	21.39	21.26	22.50		21.40	21.39	21.31	22.50		20.85	20.92	20.92	22.50	
3GPP Rel 6	HSUPA Subtest-4	20.02	19.87	19.76	21.00		19.90	19.87	19.82	21.00		19.45	19.46	19.44	21.00	
3GPP Rel 6	HSUPA Subtest-5	21.40	21.30	21.20	22.50		21.30	21.24	21.28	22.50		21.16	20.80	20.90	22.50	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.59	20.54	20.51	21.50		20.52	20.57	20.56	21.50		20.53	20.59	20.56	21.50	

Band 2

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up list (dBm)	MPR (dB)
				Low Ch. Freq. 18700	Mid Ch. Freq. 18900	High Ch. Freq. 19100		
Channel								
Frequency (MHz)								
20	QPSK	1	0	24.40	24.56	24.31	25	0
20	QPSK	1	49	24.35	24.21	24.29		
20	QPSK	1	99	24.03	23.95	23.97		
20	QPSK	50	0	23.46	23.51	23.39		
20	QPSK	50	24	23.45	23.42	23.35	24	1
20	QPSK	50	50	23.44	23.28	23.20		
20	QPSK	100	0	23.44	23.48	23.27		
20	16QAM	1	0	23.17	23.33	23.21		
20	16QAM	1	49	23.69	23.54	23.52	24	1
20	16QAM	1	99	23.19	23.15	23.23		
20	16QAM	50	0	22.51	22.34	22.33		
20	16QAM	50	24	22.46	22.34	22.30		
20	16QAM	50	50	22.44	22.18	22.13	23	2
20	16QAM	100	0	22.47	22.26	22.21		
Channel								
Frequency (MHz)								
15	QPSK	1	0	24.39	24.34	24.18	25	0
15	QPSK	1	37	24.34	24.43	24.32		
15	QPSK	1	74	24.21	24.13	24.02		
15	QPSK	36	0	23.51	23.42	23.29		
15	QPSK	36	20	23.46	23.37	23.23	24	1
15	QPSK	36	39	23.47	23.24	23.17		
15	QPSK	75	0	23.50	23.38	23.25		
15	16QAM	1	0	23.56	23.44	23.35		
15	16QAM	1	37	23.56	23.51	23.53	24	1
15	16QAM	1	74	23.48	23.37	23.23		
15	16QAM	36	0	22.52	22.36	22.31		
15	16QAM	36	20	22.46	22.34	22.24		
15	16QAM	36	39	22.41	22.24	22.13	23	2
15	16QAM	75	0	22.49	22.28	22.18		
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.39	24.29	24.17	25	0
10	QPSK	1	25	24.51	24.37	24.24		
10	QPSK	1	49	24.30	24.19	24.08		
10	QPSK	25	0	23.56	23.42	23.33		
10	QPSK	25	12	23.50	23.39	23.28	24	1
10	QPSK	25	25	23.45	23.31	23.22		
10	QPSK	50	0	23.53	23.39	23.31		
10	16QAM	1	0	23.62	23.48	23.35		
10	16QAM	1	25	23.68	23.48	23.40	24	1
10	16QAM	1	49	23.60	23.39	23.25		
10	16QAM	25	0	22.51	22.35	22.23		
10	16QAM	25	12	22.47	22.31	22.22		
10	16QAM	25	25	22.48	22.21	22.14	23	2
10	16QAM	50	0	22.49	22.30	22.23		
Channel								
Frequency (MHz)								
5	QPSK	1	0	24.39	24.17	24.25	25	0
5	QPSK	1	12	24.36	24.46	24.37		
5	QPSK	1	24	24.03	24.13	24.15		
5	QPSK	12	0	23.28	23.45	23.37		
5	QPSK	12	7	23.34	23.45	23.31	24	1
5	QPSK	12	13	23.38	23.39	23.35		
5	QPSK	25	0	23.48	23.47	23.32		
5	16QAM	1	0	23.38	23.50	23.50		
5	16QAM	1	12	23.37	23.38	23.42	24	1
5	16QAM	1	24	23.38	23.45	23.35		
5	16QAM	12	0	22.23	22.26	22.30		
5	16QAM	12	7	22.28	22.27	22.21		
5	16QAM	12	13	22.21	22.02	22.18	23	2
5	16QAM	25	0	22.28	22.38	22.19		
Channel								
Frequency (MHz)								
3	QPSK	1	0	24.17	24.29	24.27	25	0
3	QPSK	1	8	24.44	24.28	24.40		
3	QPSK	1	16	24.12	24.10	24.17		
3	QPSK	8	0	23.36	23.33	23.30		
3	QPSK	8	4	23.43	23.41	23.35	24	1
3	QPSK	8	7	23.39	23.41	23.19		
3	QPSK	15	0	23.42	23.35	23.27		
3	16QAM	1	0	23.44	23.45	23.41		
3	16QAM	1	8	23.40	23.56	23.33	24	1
3	16QAM	1	14	23.32	23.29	23.29		
3	16QAM	8	0	22.25	22.33	22.20		
3	16QAM	8	4	22.41	22.28	22.17		
3	16QAM	8	7	22.10	22.29	22.18	23	2
3	16QAM	15	0	22.40	22.36	22.24		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.93	24.04	24.02	25	0
1.4	QPSK	1	8	24.09	24.01	24.11		
1.4	QPSK	1	5	24.05	24.02	23.91		
1.4	QPSK	3	0	24.18	24.11	24.16		
1.4	QPSK	3	1	24.02	24.01	23.99	24	1
1.4	QPSK	3	3	24.00	23.99	24.09		
1.4	QPSK	6	0	22.99	23.02	23.04		
1.4	16QAM	1	0	23.07	23.11	23.14		
1.4	16QAM	1	5	23.20	23.12	23.01	24	1
1.4	16QAM	1	5	22.97	23.09	22.98		
1.4	16QAM	3	0	23.09	23.06	23.15		
1.4	16QAM	3	1	23.11	23.05	23.00		
1.4	16QAM	3	3	22.93	23.06	23.03	23	2
1.4	16QAM	6	0	21.97	22.12	22.19		

Band 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq 20050	Power Middle Ch. Freq 20175	Power High Ch. Freq 20300	Tune-up list (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.87	24.33	23.94	25	0		
20	QPSK	1	48	24.22	23.89	24.20				
20	QPSK	1	99	23.87	23.88	23.88				
20	QPSK	50	0	23.28	23.31	23.23				
20	QPSK	50	24	23.27	23.22	23.25	24	1		
20	QPSK	50	50	23.18	23.24	23.22				
20	QPSK	100	0	23.19	23.24	23.16				
20	16QAM	1	0	23.19	23.31	23.23				
20	16QAM	1	48	23.97	23.92	23.96	24	1		
20	16QAM	1	99	23.13	23.08	23.11				
20	16QAM	50	0	22.20	22.26	22.17				
20	16QAM	50	24	22.26	22.22	22.17				
20	16QAM	50	50	22.16	22.21	22.17	23	2		
20	16QAM	100	0	22.17	22.23	22.14				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.12	24.19	24.19	25	0		
15	QPSK	1	37	23.81	23.96	23.82				
15	QPSK	1	74	23.71	23.69	23.68				
15	QPSK	36	0	23.30	23.23	23.19				
15	QPSK	36	20	23.26	23.07	23.07	24	1		
15	QPSK	36	39	23.26	23.31	23.24				
15	QPSK	75	0	23.19	23.31	23.20				
15	16QAM	1	0	23.24	23.37	23.28				
15	16QAM	1	37	23.39	23.56	23.43	24	1		
15	16QAM	1	74	23.17	23.12	23.18				
15	16QAM	36	0	22.20	22.17	22.16				
15	16QAM	36	20	22.16	22.26	22.22				
15	16QAM	36	39	22.17	22.23	22.13	23	2		
15	16QAM	75	0	22.24	22.08	22.31				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.15	24.14	24.15	25	0		
10	QPSK	1	25	23.75	23.77	23.84				
10	QPSK	1	49	23.79	23.88	23.84				
10	QPSK	25	0	23.18	23.26	23.19				
10	QPSK	25	25	23.21	23.12	23.23	24	1		
10	QPSK	25	25	23.15	23.31	23.27				
10	QPSK	50	0	23.15	23.26	23.27				
10	16QAM	1	0	23.17	23.38	23.27				
10	16QAM	1	25	23.51	23.48	23.45	24	1		
10	16QAM	1	49	23.09	23.11	23.12				
10	16QAM	25	0	22.32	22.13	22.11	23	2		
10	16QAM	25	25	22.12	22.15	22.18				
10	16QAM	25	25	22.15	22.26	22.28				
10	16QAM	50	0	22.13	22.31	22.25				
Channel										
Frequency (MHz)										
5	QPSK	1	0	1717.5	1732.5	1747.5	25	0		
5	QPSK	1	12	24.14	24.18	24.14				
5	QPSK	1	24	24.12	23.91	23.77				
5	QPSK	12	0	23.12	23.09	23.71				
5	QPSK	12	0	23.20	23.21	23.29	24	1		
5	QPSK	12	7	23.26	23.26	23.24				
5	QPSK	12	13	23.31	23.22	23.13				
5	QPSK	25	0	23.27	23.17	23.22				
5	16QAM	1	0	23.28	23.22	23.28	24	1		
5	16QAM	1	12	23.39	23.03	23.48				
5	16QAM	1	24	23.17	23.09	23.09				
5	16QAM	12	0	22.18	22.25	22.12				
5	16QAM	12	7	22.24	22.09	22.20	23	2		
5	16QAM	12	13	22.15	22.27	22.11				
5	16QAM	25	0	22.11	22.24	22.14				
Channel										
Frequency (MHz)										
3	QPSK	1	0	1717.5	1732.5	1747.5	25	0		
3	QPSK	1	6	24.10	24.15	24.14				
3	QPSK	1	14	23.71	23.74	23.74				
3	QPSK	15	0	23.22	23.17	23.28				
3	QPSK	8	4	23.21	23.31	23.20	24	1		
3	QPSK	8	7	23.31	23.14	23.24				
3	QPSK	15	0	23.24	23.24	23.15				
3	16QAM	1	0	23.27	23.34	23.27				
3	16QAM	1	6	23.67	23.41	23.59	24	1		
3	16QAM	1	14	23.14	23.14	23.14				
3	16QAM	8	0	22.23	22.12	22.32				
3	16QAM	8	7	22.25	22.12	22.16				
3	16QAM	8	14	22.16	22.12	22.31	23	2		
3	16QAM	15	0	22.19	22.08	22.33				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.01	23.95	24.03	25	0		
1.4	QPSK	1	2	23.85	23.88	23.91				
1.4	QPSK	1	5	23.86	23.89	23.92				
1.4	QPSK	3	0	23.90	23.91	23.97				
1.4	QPSK	3	2	23.76	23.91	23.97	24	1		
1.4	QPSK	3	3	23.94	23.91	23.77				
1.4	QPSK	6	0	22.87	23.06	23.15				
1.4	16QAM	3	0	23.04	23.04	22.93				
1.4	16QAM	1	3	23.00	23.01	22.93	24	1		
1.4	16QAM	1	6	22.91	22.98	23.03				
1.4	16QAM	3	0	22.82	22.96	22.92				
1.4	16QAM	3	1	23.06	23.05	23.08				
1.4	16QAM	3	2	22.88	22.97	22.96	23	2		
1.4	16QAM	6	0	22.13	22.05	22.08				
Channel										
Frequency (MHz)										

Band 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq -26560	Power Middle Ch. Freq -26565	Power High Ch. Freq -26569	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.19	24.28	24.05	25	0
10	QPSK	1	25	24.11	24.24	24.02		
10	QPSK	1	49	24.06	24.15	24.00		
10	QPSK	25	0	23.30	23.32	23.26	24	1
10	QPSK	25	12	23.25	23.30	23.21		
10	QPSK	25	25	23.17	23.20	23.16		
10	QPSK	50	0	23.33	23.35	23.29	24	1
10	16QAM	1	0	23.42	23.37	23.31		
10	16QAM	1	25	23.58	23.46	23.44		
10	16QAM	1	49	23.33	23.29	23.34	23	2
10	16QAM	25	0	22.27	22.21	22.25		
10	16QAM	25	12	22.26	22.24	22.28		
10	16QAM	25	25	22.28	22.18	22.19	23	2
10	16QAM	50	0	22.27	22.19	22.28		
Channel								
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	24.22	24.27	24.21	25	0
5	QPSK	1	12	24.23	24.22	24.11		
5	QPSK	1	24	23.95	23.98	23.96		
5	QPSK	12	0	23.38	23.42	23.31	24	1
5	QPSK	12	7	23.21	23.19	23.11		
5	QPSK	12	13	23.27	23.07	23.08		
5	QPSK	25	0	23.44	23.25	23.30	24	1
5	16QAM	1	0	23.30	23.47	23.22		
5	16QAM	1	12	23.56	23.49	23.49		
5	16QAM	1	24	23.30	23.28	23.38	23	2
5	16QAM	12	0	22.29	22.15	22.21		
5	16QAM	12	7	22.20	22.27	22.29		
5	16QAM	12	13	22.03	22.15	22.21	24	1
5	16QAM	25	0	22.24	22.05	22.28		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
3	QPSK	1	0	24.22	24.13	24.15	25	0
3	QPSK	1	8	24.21	24.24	24.18		
3	QPSK	1	14	24.08	24.05	24.05		
3	QPSK	8	0	23.42	23.32	23.22	24	1
3	QPSK	8	4	23.22	23.26	23.22		
3	QPSK	8	7	23.19	23.27	23.07		
3	QPSK	15	0	23.30	23.28	23.24	24	1
3	16QAM	1	0	23.45	23.28	23.46		
3	16QAM	1	8	23.50	23.52	23.48		
3	16QAM	1	14	23.36	23.22	23.18	23	2
3	16QAM	8	0	22.28	22.18	22.17		
3	16QAM	8	4	22.14	22.23	22.11		
3	16QAM	8	7	22.18	22.04	22.03	24	1
3	16QAM	15	0	22.06	22.25	22.05		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
1.4	QPSK	1	0	23.80	23.94	23.96	25	0
1.4	QPSK	1	3	23.89	24.02	24.12		
1.4	QPSK	1	5	23.90	23.98	23.98		
1.4	QPSK	3	0	23.89	23.90	23.85	24	1
1.4	QPSK	3	1	24.08	24.01	24.00		
1.4	QPSK	3	3	24.01	23.97	23.93		
1.4	QPSK	6	0	23.05	23.07	23.15	24	1
1.4	16QAM	1	0	23.18	23.11	23.07		
1.4	16QAM	1	3	23.05	23.17	23.08		
1.4	16QAM	1	5	23.09	23.11	23.01	23	2
1.4	16QAM	3	0	23.91	23.09	23.07		
1.4	16QAM	3	1	23.05	23.04	23.00		
1.4	16QAM	3	3	23.08	23.02	22.94	24	1
1.4	16QAM	6	0	22.09	22.12	22.15		

Band 12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq -23960	Power Middle Ch. Freq -23965	Power High Ch. Freq -23969	Tune-up limit (dBm)	MPR (dB)
Channel				23960	23965	23969		
Frequency (MHz)				24.25	24.53	24.81		
10	QPSK	1	0	24.25	24.53	24.81	25	0
10	QPSK	1	25	24.51	24.35	24.34		
10	QPSK	1	49	24.44	24.44	24.51		
10	QPSK	25	0	23.53	23.63	23.61	24	1
10	QPSK	25	12	23.54	23.56	23.55		
10	QPSK	25	25	23.58	23.60	23.59		
10	QPSK	50	0	23.57	23.68	23.65	24	1
10	16QAM	1	0	23.40	23.59	23.57		
10	16QAM	1	25	23.78	23.72	23.76		
10	16QAM	1	49	23.63	23.73	23.65	23	2
10	16QAM	25	0	22.49	22.51	22.55		
10	16QAM	25	12	22.50	22.48	22.48		
10	16QAM	25	25	22.53	22.53	22.55	24	1
10	16QAM	50	0	22.52	22.53	22.61		
Channel				707.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	24.45	24.44	24.42	25	0
5	QPSK	1	12	24.43	24.29	24.45		
5	QPSK	1	24	24.47	24.30	24.35		
5	QPSK	12	0	23.56	23.59	23.60	24	1
5	QPSK	12	7	23.59	23.46	23.62		
5	QPSK	12	13	23.63	23.60	23.69		
5	QPSK	25	0	23.65	23.51	23.52	24	1
5	16QAM	1	0	23.59	23.52	23.47		
5	16QAM	1	12	23.80	23.73	23.58		
5	16QAM	1	24	23.69	23.62	23.75	23	2
5	16QAM	12	0	22.50	22.55	22.52		
5	16QAM	12	7	22.47	22.44	22.56		
5	16QAM	12	13	22.42	22.49	22.45	24	1
5	16QAM	25	0	22.62	22.41	22.54		
Channel				706.5	706.5	714.5	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	24.49	24.39	24.47	25	0
3	QPSK	1	8	24.23	24.28	24.27		
3	QPSK	1	14	24.35	24.38	24.48		
3	QPSK	8	0	23.69	23.55	23.68	24	1
3	QPSK	8	4	23.63	23.51	23.59		
3	QPSK	8	7	23.59	23.70	23.59		
3	QPSK	15	0	23.52	23.52	23.54	24	1
3	16QAM	1	0	23.51	23.49	23.45		
3	16QAM	1	8	23.76	23.81	23.82		
3	16QAM	1	14	23.60	23.63	23.70	23	2
3	16QAM	8	0	22.52	22.58	22.58		
3	16QAM	8	4	22.52	22.39	22.50		
3	16QAM	8	7	22.50	22.51	22.46	24	1
3	16QAM	15	0	22.56	22.43	22.49		
Channel				707.0	707.5	713.5	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	24.13	24.17	24.07	25	0
1.4	QPSK	1	3	24.06	24.01	24.00		
1.4	QPSK	1	5	23.95	24.03	24.05		
1.4	QPSK	3	0	24.10	24.02	24.10	24	1
1.4	QPSK	3	1	23.88	24.02	23.87		
1.4	QPSK	3	3	24.06	24.05	23.98		
1.4	QPSK	6	0	23.54	23.28	23.14	24	1
1.4	16QAM	1	0	23.16	23.27	23.23		
1.4	16QAM	1	5	23.27	23.26	23.34		
1.4	16QAM	1	5	23.29	23.31	23.36	23	2
1.4	16QAM	3	0	23.08	23.19	23.27		
1.4	16QAM	3	1	23.50	23.23	23.10		
1.4	16QAM	3	3	23.21	23.28	23.38	24	1
1.4	16QAM	6	0	22.08	22.23	22.13		



Band 14										
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				23306						
Frequency (MHz)										
10	QPSK	1	0		24.25		25	0		
10	QPSK	1	25		24.17					
10	QPSK	1	49		24.14					
10	QPSK	25	0		23.25		24	1		
10	QPSK	25	12		23.25					
10	QPSK	25	25		23.22					
10	QPSK	50	0		23.27		24	1		
10	16QAM	1	0		23.38					
10	16QAM	1	25		23.50					
10	16QAM	1	49		23.35		23	2		
10	16QAM	25	0		22.24					
10	16QAM	25	12		22.26					
10	16QAM	25	25		22.17		23	2		
10	16QAM	50	0		22.23					
Channel				23305	23306	23305	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	24.03	24.07	24.06	25	0		
5	QPSK	1	12	24.15	24.23	24.25				
5	QPSK	1	24	23.99	24.08	24.01				
5	QPSK	12	0	23.14	23.19	23.21	24	1		
5	QPSK	12	7	23.15	23.23	23.20				
5	QPSK	12	13	23.16	23.13	23.09				
5	QPSK	25	0	23.19	23.19	23.20	24	1		
5	16QAM	1	0	23.23	23.31	23.27				
5	16QAM	1	12	23.45	23.50	23.52				
5	16QAM	1	24	23.25	23.34	23.33	24	1		
5	16QAM	12	0	22.15	22.19	22.21				
5	16QAM	12	7	22.22	22.24	22.23				
5	16QAM	12	13	22.15	22.18	22.12	23	2		
5	16QAM	25	0	22.17	22.21	22.17				

Band 30										
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)				27710						
10	QPSK	1	0		23.35		24.5	0		
10	QPSK	1	25		23.28					
10	QPSK	1	49		23.28					
10	QPSK	25	0		22.27		23.5	1		
10	QPSK	25	12		22.21					
10	QPSK	25	25		22.17					
10	QPSK	50	0		22.29		23.5	1		
10	16QAM	1	0		22.19					
10	16QAM	1	25		22.21					
10	16QAM	1	49		22.24		22.5	2		
10	16QAM	25	0		21.23					
10	16QAM	25	12		21.26					
10	16QAM	25	25		21.20					
10	16QAM	50	0		21.20					
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				27685						
5	QPSK	1	0	23.30	23.25	23.29	24.5	0		
5	QPSK	1	12	23.20	23.18	23.25				
5	QPSK	1	24	23.18	23.24	23.20				
5	QPSK	12	0	22.26	22.17	22.26	23.5	1		
5	QPSK	12	7	22.14	22.14	22.15				
5	QPSK	12	13	22.07	22.16	22.11				
5	QPSK	25	0	22.17	22.18	22.14	23.5	1		
5	16QAM	1	0	22.10	22.18	22.10				
5	16QAM	1	12	22.15	22.13	22.17				
5	16QAM	1	24	22.16	22.23	22.15	22.5	2		
5	16QAM	12	0	21.19	21.19	21.14				
5	16QAM	12	7	21.18	21.19	21.23				
5	16QAM	12	13	21.17	21.14	21.13	23			
5	16QAM	25	0	21.15	21.19	21.13				

Band 66

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				130572	130592	130572	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1745	1745	1745		
30	QPSK	1	0	24.32	24.35	24.28	25	0
30	QPSK	1	49	24.30	24.31	24.23		
30	QPSK	1	99	23.84	24.02	23.82		
30	QPSK	50	0	23.32	23.35	23.30		
30	QPSK	50	24	23.28	23.30	23.28	24	1
30	QPSK	50	50	23.17	23.28	23.11		
30	QPSK	100	0	23.23	23.25	23.24		
30	16QAM	1	0	23.21	23.29	23.11		
30	16QAM	1	49	23.92	23.92	23.86	24	1
30	16QAM	1	99	23.13	23.95	23.98		
30	16QAM	50	0	22.29	22.22	22.33		
30	16QAM	50	24	22.26	22.28	22.28		
30	16QAM	50	50	22.18	22.21	22.05	23	2
30	16QAM	100	0	22.19	22.23	22.20		
Channel				130572	130592	130572	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	24.27	24.23	24.18	25	0
15	QPSK	1	37	24.12	24.15	24.28		
15	QPSK	1	74	23.89	23.88	23.84		
15	QPSK	36	0	23.97	23.35	23.43		
15	QPSK	36	20	23.30	23.39	23.35	24	1
15	QPSK	36	39	23.37	23.30	23.16		
15	QPSK	75	0	23.15	23.31	23.14		
15	16QAM	1	0	23.23	23.24	23.32		
15	16QAM	1	37	23.63	23.44	23.45	24	1
15	16QAM	1	74	23.07	23.12	23.13		
15	16QAM	36	0	22.10	22.20	22.12		
15	16QAM	36	20	22.19	22.29	22.33		
15	16QAM	36	39	22.08	22.25	22.25	23	2
15	16QAM	75	0	22.10	22.23	22.23		
Channel				130522	130522	130522	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	24.24	24.18	24.20	25	0
10	QPSK	1	25	24.28	24.28	24.16		
10	QPSK	1	49	23.83	23.85	23.88		
10	QPSK	25	0	23.43	23.35	23.49		
10	QPSK	25	10	23.38	23.34	23.35	24	1
10	QPSK	25	25	23.38	23.31	23.15		
10	QPSK	50	0	23.12	23.35	23.29		
10	16QAM	1	0	23.33	23.23	23.21		
10	16QAM	1	25	23.43	23.55	23.41	24	1
10	16QAM	1	49	23.07	23.14	23.15		
10	16QAM	25	0	22.11	22.10	22.27		
10	16QAM	25	10	22.19	22.14	22.19		
10	16QAM	25	25	22.08	22.08	22.11	23	2
10	16QAM	50	0	22.32	22.08	22.20		
Channel				131997	132322	132547	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715.5	1745	1775.5		
5	QPSK	1	0	24.19	24.31	24.30	25	0
5	QPSK	1	12	24.28	24.23	24.12		
5	QPSK	1	24	23.85	23.85	23.85		
5	QPSK	12	0	23.34	23.31	23.30		
5	QPSK	12	7	23.30	23.28	23.25	24	1
5	QPSK	12	13	23.30	23.29	23.17		
5	QPSK	25	0	23.22	23.18	23.35		
5	16QAM	1	0	23.30	23.23	23.18		
5	16QAM	1	12	23.43	23.41	23.39	24	1
5	16QAM	1	24	22.95	23.11	22.98		
5	16QAM	12	0	22.27	22.23	22.29		
5	16QAM	12	7	22.21	22.31	22.14		
5	16QAM	12	13	22.13	22.07	22.24	23	2
5	16QAM	25	0	22.25	22.12	22.22		
Channel				131997	132322	132547	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1713.5	1745	1773.5		
1.4	QPSK	1	0	24.12	24.04	24.02	25	0
1.4	QPSK	1	3	24.01	24.01	24.00		
1.4	QPSK	1	5	23.96	23.98	24.01		
1.4	QPSK	3	0	24.09	24.01	24.03		
1.4	QPSK	3	1	23.93	24.01	23.97	24	1
1.4	QPSK	3	3	23.95	23.98	23.96		
1.4	QPSK	6	0	23.92	23.17	23.17		
1.4	16QAM	1	0	23.01	23.15	23.06		
1.4	16QAM	1	3	23.09	23.12	23.14	24	1
1.4	16QAM	1	5	23.21	23.14	23.08		
1.4	16QAM	3	0	23.14	23.16	23.26		
1.4	16QAM	3	1	23.17	23.15	23.07		
1.4	16QAM	3	1	23.13	23.15	23.05	23	2
1.4	16QAM	6	0	22.12	22.15	22.06		

Band 71

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133522	133597	133572	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				173	180.5	178		
30	QPSK	1	0	24.08	24.03	24.08	25	0
30	QPSK	1	49	24.00	23.74	23.78		
30	QPSK	1	99	23.81	23.75	23.75		
30	QPSK	50	0	23.11	23.15	23.07		
30	QPSK	50	24	23.04	23.13	22.94	24	1
30	QPSK	50	50	22.81	22.88	22.79		
30	QPSK	100	0	23.00	23.09	22.74		
30	16QAM	1	0	23.09	23.23	22.75		
30	16QAM	1	49	23.12	23.02	22.98	24	1
30	16QAM	1	99	22.78	22.81	22.88		
30	16QAM	50	0	22.14	21.84	21.77		
30	16QAM	50	24	22.13	21.76	21.72		
30	16QAM	50	50	21.80	21.72	21.75	23	2
30	16QAM	100	0	22.05	21.83	21.72		
Channel				133107	133207	133207	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1670.5	1680.5	1680.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	23.84	23.98	24.05	25	0
15	QPSK	1	37	23.95	23.89	23.94		
15	QPSK	1	74	23.76	23.89	23.74		
15	QPSK	36	0	22.75	22.91	22.85		
15	QPSK	36	20	23.24	23.92	23.14	24	1
15	QPSK	36	39	22.84	22.79	22.77		
15	QPSK	75	0	22.97	22.94	22.93		
15	16QAM	1	0	23.19	23.02	23.15		
15	16QAM	1	37	22.99	22.98	23.08	24	1
15	16QAM	1	74	22.79	22.75	22.86		
15	16QAM	36	0	22.06	22.00	22.01		
15	16QAM	36	20	22.12	22.15	22.10		
15	16QAM	36	39	21.88	21.71	21.78	23	2
15	16QAM	75	0	22.07	22.11	22.07		
Channel				133172	133297	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				168	168.5	168.5	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	24.08	23.30	23.51	25	0
10	QPSK	1	25	23.89	23.86	23.93		
10	QPSK	1	49	23.76	23.75	23.89		
10	QPSK	25	0	22.89	22.71	22.80		
10	QPSK	25	12	23.01	23.06	23.15	24	1
10	QPSK	25	25	22.89	22.83	22.81		
10	QPSK	50	0	22.88	23.07	22.93		
10	16QAM	1	0	23.04	22.97	23.02		
10	16QAM	1	25	23.16	22.98	22.97	24	1
10	16QAM	1	49	22.72	22.67	22.68		
10	16QAM	25	0	22.05	22.18	22.19		
10	16QAM	25	12	22.05	22.19	22.17		
10	16QAM	25	25	21.71	21.73	21.73	23	2
10	16QAM	50	0	22.08	22.02	22.09		
Channel				133147	133297	133447	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				168.5	168.5	168.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.36	23.59	24.02	25	0
5	QPSK	1	12	23.84	23.93	23.98		
5	QPSK	1	24	23.95	23.95	23.73		
5	QPSK	12	0	22.74	22.72	22.84		
5	QPSK	12	7	23.14	23.18	23.15	24	1
5	QPSK	12	13	22.85	22.78	22.77		
5	QPSK	25	0	23.09	22.94	22.88		
5	16QAM	1	0	23.12	22.99	22.96		
5	16QAM	1	12	23.12	23.03	23.00	24	1
5	16QAM	1	24	22.68	22.76	22.77		
5	16QAM	12	0	22.17	22.07	22.08		
5	16QAM	12	7	22.05	22.12	22.16	23	2
5	16QAM	12	13	21.85	21.90	21.68		
5	16QAM	25	0	22.10	22.11	21.96		

Reduced Power for Hotspot On

GSM850		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		128	189	251	Limit		128	189	251	Limit	
Frequency (MHz)		824.2	836.4	848.6	(dBm)		824.2	836.4	848.6	(dBm)	
GSM 1 Tx slot		32.51	32.55	32.49	33.50		23.51	23.55	23.49	24.50	
GPRS 1 Tx slot		32.54	32.57	32.54	33.50		23.54	23.57	23.54	24.50	
GPRS 2 Tx slots		31.55	31.56	31.58	32.50		25.55	25.56	25.58	26.50	
GPRS 3 Tx slots		29.46	29.49	29.52	30.50		25.20	25.23	25.26	26.24	
GPRS 4 Tx slots		28.33	28.41	28.38	29.50		25.33	25.41	25.38	26.50	
EDGE 1 Tx slot		26.34	26.54	26.55	27.50		17.34	17.54	17.55	18.50	
EDGE 2 Tx slots		25.27	25.35	25.36	26.50		19.27	19.35	19.36	20.50	
EDGE 3 Tx slots		22.89	22.87	22.79	24.00		18.63	18.61	18.53	19.74	
EDGE 4 Tx slots		21.48	21.42	21.46	22.50		18.48	18.42	18.46	19.50	

GSM1900		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1850.2	1850	1900.8	(dBm)		1850.2	1850	1900.8	(dBm)	
GSM 1 Tx slot		25.24	25.32	25.21	27.00		16.24	16.32	16.21	18.00	
GPRS 1 Tx slot		25.30	25.37	25.32	27.00		16.30	16.37	16.32	18.00	
GPRS 2 Tx slots		24.32	24.43	24.35	26.00		18.32	18.43	18.35	20.00	
GPRS 3 Tx slots		22.24	22.41	22.36	23.50		17.98	18.15	18.10	19.24	
GPRS 4 Tx slots		21.12	21.30	21.27	22.50		19.12	19.30	19.27	19.50	
EDGE 1 Tx slot		22.03	22.19	21.79	23.00		13.03	13.19	12.79	14.00	
EDGE 2 Tx slots		20.76	20.83	20.45	22.00		14.76	14.83	14.45	16.00	
EDGE 3 Tx slots		18.53	18.67	18.23	19.50		14.27	14.41	13.97	15.24	
EDGE 4 Tx slots		17.01	17.07	16.67	18.00		14.01	14.07	13.67	15.00	

Band		WCDMA II			Tune-up		WCDMA IV			Tune-up		WCDMA V			Tune-up	
TX Channel		9262	9400	9538	Limit		1312	1413	1513	Limit		4132	4182	4233	Limit	
Frequency (MHz)		1852.4	1850	1907.6	(dBm)		1712.4	1732.6	1752.6	(dBm)		826.4	836.4	846.6	(dBm)	
3GPP Rel 99		19.50	19.54	19.49	20.50		20.54	20.55	20.52	21.50		23.11	23.13	23.15	24.50	
3GPP Rel 99		RMC 12.2Kbps	19.53	19.61	19.35	20.50	20.56	20.63	20.53	21.50	23.16	23.18	23.16	24.50		
3GPP Rel 6		HSDPA Subtest-1	18.38	18.30	18.23	19.50	19.26	19.23	19.18	20.50	21.97	21.94	22.01	23.50		
3GPP Rel 6		HSDPA Subtest-2	18.29	18.13	18.14	19.50	19.21	19.27	19.22	20.50	22.01	21.85	21.91	23.50		
3GPP Rel 6		HSDPA Subtest-3	17.81	17.66	17.60	19.00	18.74	18.71	18.75	20.00	21.50	21.43	21.45	23.00		
3GPP Rel 6		HSDPA Subtest-4	17.85	17.66	17.59	19.00	18.86	18.77	18.71	20.00	21.47	21.31	21.30	23.00		
3GPP Rel 8		DC-HSDPA Subtest-1	18.27	18.24	18.27	19.50	18.99	19.06	19.12	20.50	21.82	21.88	21.82	23.50		
3GPP Rel 8		DC-HSDPA Subtest-2	18.21	18.16	18.12	19.50	18.97	19.07	19.07	20.50	21.81	21.84	21.79	23.50		
3GPP Rel 8		DC-HSDPA Subtest-3	17.61	17.56	17.48	19.00	18.56	18.64	18.58	20.00	21.31	21.36	21.28	23.00		
3GPP Rel 8		DC-HSDPA Subtest-4	17.52	17.45	17.50	19.00	18.59	18.56	18.67	20.00	21.26	21.28	21.19	23.00		
3GPP Rel 6		HSUPA Subtest-1	16.45	16.48	16.50	17.50	17.41	17.47	17.53	18.50	19.88	19.92	19.98	21.50		
3GPP Rel 6		HSUPA Subtest-2	16.42	16.24	16.25	17.50	17.27	17.35	17.20	18.50	19.91	19.94	19.99	21.50		
3GPP Rel 6		HSUPA Subtest-3	17.35	17.37	17.22	18.50	18.29	18.31	18.22	19.50	20.85	20.92	20.92	22.50		
3GPP Rel 6		HSUPA Subtest-4	15.90	15.78	15.71	17.00	16.88	16.78	16.74	18.00	19.45	19.46	19.44	21.00		
3GPP Rel 6		HSUPA Subtest-5	17.36	17.18	17.15	18.50	18.18	18.15	18.20	19.50	21.16	20.80	20.90	22.50		
3GPP Rel 7		HSPA+ (16QAM) Subtest-1	16.51	16.53	16.39	17.50	17.44	17.50	17.47	18.50	20.53	20.59	20.56	21.50		



Band 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq 18700	Power Middle Ch. Freq 18800	Power High Ch. Freq 18900	Tune-up limit (dBm)	MPR (dB)
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	QPSK	1	0	20.15	20.48	20.27	21	0
20	QPSK	1	48	20.25	20.37	20.26		
20	QPSK	1	96	20.29	20.47	20.17		
20	QPSK	50	0	20.25	20.46	20.15		
20	QPSK	50	24	20.16	20.44	20.13	21	0
20	QPSK	50	50	20.15	20.45	20.11		
20	QPSK	100	0	20.19	20.39	20.08		
20	16QAM	1	0	20.32	20.39	20.15		
20	16QAM	1	48	20.13	20.31	20.24	21	0
20	16QAM	1	96	20.18	20.37	20.06		
20	16QAM	50	0	20.20	20.43	20.06		
20	16QAM	50	24	20.06	20.37	20.15		
20	16QAM	50	50	20.06	20.35	20.04	21	0
20	16QAM	100	0	20.07	20.38	19.99		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							18.07.5	18.01
15	QPSK	1	0	20.26	20.38	20.24	21	0
15	QPSK	1	37	20.14	20.36	20.23		
15	QPSK	1	74	20.22	20.36	20.16		
15	QPSK	36	0	20.14	20.35	20.05		
15	QPSK	36	20	20.08	20.42	20.02	21	0
15	QPSK	36	36	20.12	20.35	20.03		
15	QPSK	75	0	20.10	20.31	20.01		
15	16QAM	1	0	20.21	20.34	20.06		
15	16QAM	1	37	20.11	20.27	20.21	21	0
15	16QAM	1	74	20.14	20.32	19.94		
15	16QAM	36	0	20.13	20.34	20.02		
15	16QAM	36	20	19.99	20.28	19.99		
15	16QAM	36	36	19.98	20.30	20.01	21	0
15	16QAM	75	0	20.06	20.30	19.91		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							18.00	18.00
10	QPSK	1	0	20.29	20.37	20.23	21	0
10	QPSK	1	26	20.22	20.40	20.17		
10	QPSK	1	49	20.25	20.45	20.16		
10	QPSK	25	0	20.18	20.45	20.12		
10	QPSK	25	10	20.15	20.35	20.10	21	0
10	QPSK	25	25	20.04	20.36	19.99		
10	QPSK	50	0	20.11	20.34	20.03		
10	16QAM	1	0	20.30	20.34	20.07		
10	16QAM	1	25	20.02	20.26	20.14	21	0
10	16QAM	1	49	20.16	20.27	20.04		
10	16QAM	25	0	20.09	20.32	20.01		
10	16QAM	25	12	19.99	20.30	20.09		
10	16QAM	25	25	20.06	20.30	20.07	21	0
10	16QAM	50	0	20.03	20.33	19.92		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							18.02.5	18.00
5	QPSK	1	0	20.33	20.37	20.18	21	0
5	QPSK	1	12	20.22	20.27	20.21		
5	QPSK	1	24	20.28	20.42	20.07		
5	QPSK	12	0	20.17	20.39	20.05		
5	QPSK	12	7	20.05	20.36	20.03	21	0
5	QPSK	12	13	20.03	20.43	20.04		
5	QPSK	25	0	20.13	20.37	19.98		
5	16QAM	1	0	20.21	20.37	20.09		
5	16QAM	1	12	20.10	20.28	20.21	21	0
5	16QAM	1	24	20.15	20.26	20.09		
5	16QAM	12	0	20.14	20.41	19.96		
5	16QAM	12	7	19.99	20.26	20.06		
5	16QAM	12	13	19.96	20.24	19.93	21	0
5	16QAM	25	0	19.99	20.30	19.91		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							18.01.5	18.00
3	QPSK	1	0	20.27	20.40	20.23	21	0
3	QPSK	1	8	20.13	20.34	20.17		
3	QPSK	1	14	20.26	20.38	20.16		
3	QPSK	8	0	20.16	20.34	20.04		
3	QPSK	8	4	20.09	20.43	20.05	21	0
3	QPSK	8	7	20.06	20.37	20.06		
3	QPSK	15	0	20.17	20.31	20.06		
3	16QAM	1	0	20.31	20.38	20.10		
3	16QAM	1	8	20.06	20.30	20.16	21	0
3	16QAM	1	14	20.09	20.33	19.97		
3	16QAM	8	0	20.18	20.40	19.95		
3	16QAM	8	4	19.99	20.35	20.04		
3	16QAM	8	7	20.03	20.29	19.92	21	0
3	16QAM	15	0	20.06	20.30	19.96		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							18.00.7	18.00.3
1.4	QPSK	1	0	20.24	20.45	20.22	21	0
1.4	QPSK	1	3	20.24	20.39	20.20		
1.4	QPSK	1	5	20.18	20.35	20.11		
1.4	QPSK	3	0	20.22	20.36	20.04		
1.4	QPSK	3	1	20.09	20.37	20.11	21	0
1.4	QPSK	3	3	20.14	20.44	20.01		
1.4	QPSK	6	0	20.08	20.37	20.02		
1.4	16QAM	1	0	20.27	20.28	20.12		
1.4	16QAM	1	3	20.12	20.24	20.14	21	0
1.4	16QAM	5	0	20.13	20.31	19.95		
1.4	16QAM	3	0	20.16	20.25	20.02		
1.4	16QAM	3	1	20.01	20.25	20.02		
1.4	16QAM	3	3	20.02	20.34	19.93	21	0
1.4	16QAM	5	0	19.98	20.27	19.88		

Band 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq 20000	Power Middle Ch./ Freq 20175	Power High Ch./ Freq 20300	Tune-up limit (dBm)	MPR (dB)
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	QPSK	1	0	20.24	20.43	20.29	21	0
20	QPSK	1	48	20.17	20.37	20.23		
20	QPSK	1	96	20.16	20.31	20.20		
20	QPSK	50	0	20.16	20.41	20.24		
20	QPSK	50	24	20.14	20.36	20.15	21	0
20	QPSK	50	50	20.05	20.32	20.22		
20	QPSK	100	0	20.05	20.29	20.22		
20	16QAM	1	0	20.17	20.31	20.18		
20	16QAM	1	48	20.10	20.29	20.17	21	0
20	16QAM	1	96	20.13	20.23	20.13		
20	16QAM	50	0	20.13	20.38	20.15		
20	16QAM	50	24	20.05	20.24	20.09		
20	16QAM	50	50	19.98	20.25	20.11	21	0
20	16QAM	100	0	19.99	20.18	20.12		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	0	17.17.5	17.25.5	17.47.5	21	0
15	QPSK	1	37	20.15	20.31	20.12		
15	QPSK	1	74	20.13	20.25	20.08		
15	QPSK	36	0	20.13	20.30	20.13		
15	QPSK	36	20	20.03	20.33	20.06	21	0
15	QPSK	36	36	19.93	20.20	20.14		
15	QPSK	75	0	19.98	20.26	20.12		
15	16QAM	1	0	20.13	20.30	20.09		
15	16QAM	1	37	20.01	20.26	20.11	21	0
15	16QAM	1	74	20.09	20.19	20.03		
15	16QAM	36	0	20.03	20.32	20.03		
15	16QAM	36	20	19.95	20.23	20.03		
15	16QAM	36	36	19.96	20.14	20.05	21	0
15	16QAM	75	0	19.95	20.24	20.02		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	0	20.20	20.39	20.19	21	0
10	QPSK	1	26	20.12	20.28	20.17		
10	QPSK	1	49	20.09	20.28	20.12		
10	QPSK	25	0	20.14	20.38	20.14		
10	QPSK	25	10	20.12	20.26	20.06	21	0
10	QPSK	25	25	19.93	20.27	20.19		
10	QPSK	50	0	20.00	20.22	20.19		
10	16QAM	1	0	20.14	20.22	20.17		
10	16QAM	1	25	20.02	20.19	20.05	21	0
10	16QAM	1	49	20.06	20.11	20.01		
10	16QAM	25	0	20.01	20.36	20.04		
10	16QAM	25	10	20.04	20.23	20.02	21	0
10	16QAM	25	25	19.91	20.22	20.02		
10	16QAM	50	0	19.92	20.07	20.02		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	0	19.97.5	20.07.5	20.27.5	21	0
5	QPSK	1	12	20.15	20.36	20.18		
5	QPSK	1	24	20.12	20.27	20.15		
5	QPSK	12	0	20.12	20.35	20.23		
5	QPSK	12	7	20.09	20.32	20.06	21	0
5	QPSK	12	13	20.01	20.22	20.15		
5	QPSK	25	0	19.99	20.23	20.12		
5	QPSK	1	0	20.08	20.28	20.17		
5	16QAM	1	0	20.06	20.27	20.06	21	0
5	16QAM	1	24	20.12	20.18	20.06		
5	16QAM	12	0	20.10	20.20	20.09		
5	16QAM	12	7	19.94	20.18	20.03		
5	16QAM	12	13	19.92	20.24	20.06	21	0
5	16QAM	25	0	19.97	20.05	20.10		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
3	QPSK	1	0	19.17.5	17.27.5	17.37.5	21	0
3	QPSK	1	8	20.05	20.42	20.20		
3	QPSK	1	14	20.10	20.26	20.19		
3	QPSK	8	0	20.14	20.39	20.17		
3	QPSK	8	4	20.12	20.32	20.07	21	0
3	QPSK	8	7	19.99	20.26	20.15		
3	16QAM	15	0	19.97	20.17	20.10		
3	16QAM	1	0	20.08	20.30	20.13		
3	16QAM	8	0	19.98	20.18	20.11	21	0
3	16QAM	1	14	20.01	20.18	20.11		
3	16QAM	8	0	20.05	20.34	20.14		
3	16QAM	8	4	20.01	20.14	19.98		
3	16QAM	8	7	19.99	20.19	20.08	21	0
3	16QAM	15	0	19.92	20.09	20.06		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
1.4	QPSK	1	0	17.10.7	17.32.7	17.54.3	21	0
1.4	QPSK	1	0	20.13	20.37	20.26		
1.4	QPSK	3	0	20.10	20.28	20.18		
1.4	QPSK	1	5	20.08	20.30	20.16		
1.4	QPSK	3	0	20.11	20.38	20.17	21	0
1.4	QPSK	3	1	20.13	20.31	20.14		
1.4	QPSK	3	3	19.98	20.23	20.19		
1.4	QPSK	6	0	20.03	20.21	20.10		
1.4	16QAM	1	0	20.12	20.35	20.15	21	0
1.4	16QAM	1	3	19.99	20.27	20.09		
1.4	16QAM	1	20.05	20.14	20.07			
1.4	16QAM	3	0	20.12	20.35	20.17		
1.4	16QAM	3	1	19.93	20.23	20.16	21	0
1.4	16QAM	3	19.97	20.32	20.15			
1.4	16QAM	6	0	19.94	20.12	20.07		

Band 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. [dBm]	Power Middle Ch./Freq. [dBm]	Power High Ch./Freq. [dBm]	Tune-up limit (dBm)	MPR (dB)
Channel							25	0
Frequency (MHz)								
10	QPSK	1	0	24.19	24.28	24.05	24	1
10	QPSK	1	25	24.11	24.24	24.02		
10	QPSK	1	49	24.06	24.15	24.00		
10	QPSK	25	0	23.30	23.32	23.29		
10	QPSK	25	12	23.25	23.30	23.21	24	1
10	QPSK	25	25	23.17	23.20	23.16		
10	QPSK	50	0	23.33	23.35	23.29		
10	16QAM	1	0	23.42	23.57	23.31		
10	16QAM	1	25	23.56	23.46	23.44	24	1
10	16QAM	1	49	23.33	23.29	23.34		
10	16QAM	25	0	22.27	22.21	22.25		
10	16QAM	25	12	22.25	22.24	22.26		
10	16QAM	25	25	22.28	22.18	22.19	23	2
10	16QAM	50	0	22.27	22.19	22.26		
Channel								
Frequency (MHz)								
5	QPSK	1	0	24.22	24.27	24.21	25	0
5	QPSK	1	12	24.23	24.22	24.11		
5	QPSK	1	24	23.95	23.98	23.96		
5	QPSK	12	0	23.38	23.42	23.31		
5	QPSK	12	7	23.21	23.19	23.11	24	1
5	QPSK	12	13	23.27	23.07	23.08		
5	QPSK	25	0	23.44	23.25	23.30		
5	16QAM	1	0	23.30	23.47	23.22		
5	16QAM	1	12	23.56	23.49	23.49	24	1
5	16QAM	1	24	23.30	23.28	23.38		
5	16QAM	12	0	22.29	22.19	22.21		
5	16QAM	12	7	22.20	22.27	22.29		
5	16QAM	12	13	22.03	22.15	22.21	23	2
5	16QAM	25	0	22.24	22.09	22.28		
Channel								
Frequency (MHz)								
3	QPSK	1	0	24.22	24.13	24.15	25	0
3	QPSK	1	8	24.21	24.24	24.18		
3	QPSK	1	14	24.08	24.05	24.08		
3	QPSK	8	0	23.42	23.32	23.22		
3	QPSK	8	4	23.22	23.26	23.22	24	1
3	QPSK	8	7	23.19	23.27	23.07		
3	QPSK	15	0	23.30	23.28	23.24		
3	16QAM	1	0	23.45	23.28	23.48		
3	16QAM	1	8	23.59	23.52	23.49	24	1
3	16QAM	1	14	23.36	23.22	23.16		
3	16QAM	8	0	22.28	22.18	22.17		
3	16QAM	8	4	22.14	22.23	22.11		
3	16QAM	8	7	22.19	22.04	22.03	23	2
3	16QAM	15	0	22.06	22.25	22.05		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.80	23.94	23.98	25	0
1.4	QPSK	1	3	23.89	24.02	24.12		
1.4	QPSK	1	5	23.50	23.55	23.55		
1.4	QPSK	3	0	23.89	23.90	23.85		
1.4	QPSK	3	1	24.08	24.01	24.00	24	1
1.4	QPSK	3	3	24.01	23.97	23.83		
1.4	QPSK	6	0	23.05	23.07	23.19		
1.4	16QAM	1	0	23.18	23.11	23.07		
1.4	16QAM	1	3	23.05	23.17	23.05	24	1
1.4	16QAM	1	5	23.09	23.11	23.01		
1.4	16QAM	3	0	23.01	23.08	23.07		
1.4	16QAM	3	1	23.05	23.04	23.00		
1.4	16QAM	3	3	23.08	23.02	22.84		
1.4	16QAM	6	0	23.09	23.12	23.15	23	2

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				23060	23066	23130	25	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.25	24.33	24.36	24	1
10	QPSK	1	25	24.51	24.35	24.34		
10	QPSK	1	49	24.44	24.44	24.51		
10	QPSK	25	0	23.53	23.53	23.51		
10	QPSK	25	12	23.54	23.56	23.55	24	1
10	QPSK	25	25	23.58	23.60	23.59		
10	QPSK	50	0	23.57	23.58	23.55		
10	16QAM	1	0	23.40	23.59	23.57		
10	16QAM	1	25	23.18	23.12	23.16	24	1
10	16QAM	1	49	23.63	23.73	23.60		
10	16QAM	25	0	22.49	22.51	22.55		
10	16QAM	25	12	22.50	22.46	22.46		
10	16QAM	25	25	22.53	22.53	22.55	23	2
10	16QAM	50	0	22.52	22.53	22.51		
Channel				23130	23136	23199		
Frequency (MHz)				707.5	707.5	711.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	24.45	24.44	24.42	25	0
5	QPSK	1	12	24.43	24.29	24.45		
5	QPSK	1	24	24.47	24.30	24.35		
5	QPSK	12	0	23.96	23.99	23.80		
5	QPSK	12	7	23.99	23.46	23.82	24	1
5	QPSK	12	13	23.63	23.80	23.69		
5	QPSK	25	0	23.66	23.51	23.52		
5	16QAM	1	0	23.59	23.52	23.47		
5	16QAM	1	12	23.80	23.73	23.68	24	1
5	16QAM	1	24	23.60	23.62	23.15		
5	16QAM	12	0	22.50	22.55	22.52		
5	16QAM	12	7	22.47	22.44	22.36		
5	16QAM	12	13	22.42	22.49	22.45	23	2
5	16QAM	25	0	22.62	22.41	22.54		
Channel				23062	23066	23165		
Frequency (MHz)				707.5	707.5	711.5	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	24.49	24.39	24.47	25	0
3	QPSK	1	8	24.25	24.38	24.27		
3	QPSK	1	14	24.35	24.38	24.49		
3	QPSK	8	0	23.69	23.55	23.68		
3	QPSK	8	4	23.63	23.51	23.59	24	1
3	QPSK	8	7	23.59	23.70	23.59		
3	QPSK	15	0	23.52	23.52	23.54		
3	16QAM	1	0	23.51	23.49	23.45		
3	16QAM	1	8	23.76	23.81	23.82	24	1
3	16QAM	1	14	23.60	23.63	23.70		
3	16QAM	8	0	22.52	22.58	22.36		
3	16QAM	8	4	22.52	22.38	22.50		
3	16QAM	8	7	22.50	22.51	22.46	23	2
3	16QAM	15	0	22.56	22.43	22.49		
Channel				23017	23095	23173		
Frequency (MHz)				699.7	707.5	715.3	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	24.13	24.17	24.07	25	0
1.4	QPSK	1	3	24.06	24.01	24.00		
1.4	QPSK	1	5	23.95	24.03	24.05		
1.4	QPSK	3	0	24.10	24.02	24.10		
1.4	QPSK	3	1	23.88	24.02	23.87	24	1
1.4	QPSK	3	3	24.06	24.05	23.99		
1.4	QPSK	6	0	23.34	23.28	23.14		
1.4	16QAM	1	0	23.19	23.27	23.03		
1.4	16QAM	1	3	23.27	23.26	23.34	24	1
1.4	16QAM	1	5	23.29	23.31	23.36		
1.4	16QAM	3	0	23.08	23.19	23.27		
1.4	16QAM	3	1	23.30	23.23	23.10		
1.4	16QAM	3	3	23.21	23.28	23.38	23	2
1.4	16QAM	6	0	22.98	22.23	22.13		



Band 14									
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				2330.5			25	0	
Frequency (MHz)									
10	QPSK	1	0		24.25				
10	QPSK	1	25		24.17				
10	QPSK	1	49		24.14				
10	QPSK	25	0		23.25				
10	QPSK	25	12		23.25				
10	QPSK	25	25		23.22				
10	QPSK	50	0		23.27				
10	16QAM	1	0		23.38				
10	16QAM	1	25		23.30				
10	16QAM	1	49		23.35				
10	16QAM	25	0		22.24				
10	16QAM	25	12		22.26				
10	16QAM	25	25		22.17				
10	16QAM	50	0		22.23				
Channel				2330.5	2333.5	2335.5	25	0	
Frequency (MHz)				790.5	793	795.5			
5	QPSK	1	0	24.03	24.07	24.08	25	0	
5	QPSK	1	12	24.15	24.23	24.25			
5	QPSK	1	24	23.99	24.08	24.01			
5	QPSK	12	0	23.14	23.19	23.21			
5	QPSK	12	7	23.15	23.23	23.20			
5	QPSK	12	13	23.16	23.13	23.09	24	1	
5	QPSK	25	0	23.19	23.19	23.20			
5	16QAM	1	0	23.23	23.31	23.27			
5	16QAM	1	12	23.45	23.50	23.52			
5	16QAM	1	24	23.28	23.34	23.33			
5	16QAM	12	0	22.15	22.19	22.21	23	2	
5	16QAM	12	7	22.22	22.24	22.23			
5	16QAM	12	13	22.16	22.18	22.12			
5	16QAM	25	0	22.17	22.21	22.17			

Band 30									
BW [MHz]	Modulation	Channel	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					2771.5			22.5	0
10	QPSK	1	0		21.58				
10	QPSK	1	25		21.45				
10	QPSK	1	49		21.49				
10	QPSK	25	0		21.58				
10	QPSK	25	12		21.39			22.5	0
10	QPSK	25	25		21.48				
10	QPSK	50	0		21.52				
10	16QAM	1	0		21.22				
10	16QAM	1	25		21.23				
10	16QAM	1	49		21.19			22.5	0
10	16QAM	25	0		21.16				
10	16QAM	25	12		21.22				
10	16QAM	25	25		21.20				
10	16QAM	50	0		21.23				
Channel					2768.5	2771.0	2773.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					2735.5	2738.5	2741.5		
5	QPSK	1	0		21.24	21.25	21.23	22.5	0
5	QPSK	1	12		21.23	21.24	21.26		
5	QPSK	1	24		21.24	21.26	21.27		
5	QPSK	12	0		21.23	21.18	21.16		
5	QPSK	12	7		21.04	21.12	21.07		
5	QPSK	12	13		21.13	21.08	21.11	22.5	0
5	QPSK	25	0		21.08	21.10	21.12		
5	16QAM	1	0		21.16	21.17	21.13		
5	16QAM	1	12		21.19	21.22	21.19		
5	16QAM	1	24		21.17	21.17	21.13		
5	16QAM	12	0		21.14	21.08	21.11	22.5	0
5	16QAM	12	7		21.14	21.12	21.10		
5	16QAM	12	13		21.10	21.10	21.12		
5	16QAM	25	0		21.17	21.22	21.16		

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							MPR (dB)	
Frequency (MHz)								
20	QPSK	1	0	20.36	20.50	20.33	21	0
20	QPSK	1	49	20.26	20.42	20.32		
20	QPSK	1	99	20.33	20.39	20.21		
20	QPSK	50	0	20.25	20.44	20.31		
20	QPSK	50	24	20.19	20.41	20.23		
20	QPSK	50	50	20.21	20.38	20.27	21	0
20	QPSK	100	0	20.19	20.40	20.28		
20	16QAM	1	0	20.28	20.42	20.28		
20	16QAM	1	49	20.20	20.36	20.27		
20	16QAM	1	99	20.28	20.29	20.18		
20	16QAM	50	0	20.23	20.38	20.28	21	0
20	16QAM	50	24	20.16	20.38	20.19		
20	16QAM	50	50	20.14	20.35	20.24		
20	16QAM	100	0	20.13	20.36	20.27		
Channel							MPR (dB)	
Frequency (MHz)								
15	QPSK	1	0	1717.5	1745	1772.5	21	0
15	QPSK	1	37	20.29	20.41	20.26		
15	QPSK	1	74	20.28	20.30	20.14		
15	QPSK	36	0	20.14	20.35	20.26		
15	QPSK	36	36	20.15	20.37	20.14		
15	QPSK	36	36	20.18	20.30	20.23	21	0
15	16QAM	1	0	20.09	20.34	20.26		
15	16QAM	1	37	20.24	20.37	20.17		
15	16QAM	1	74	20.11	20.33	20.21		
15	16QAM	36	0	20.14	20.37	20.14		
15	16QAM	36	0	20.20	20.33	20.22	21	0
15	16QAM	36	20	20.05	20.34	20.14		
15	16QAM	36	20	20.08	20.32	20.27		
15	16QAM	75	0	20.04	20.28	20.19		
Channel							MPR (dB)	
Frequency (MHz)								
10	QPSK	1	0	1715.5	1745	1745.5	21	0
10	QPSK	1	25	20.29	20.39	20.23		
10	QPSK	1	49	20.30	20.36	20.17		
10	QPSK	25	0	20.13	20.41	20.22		
10	QPSK	25	12	20.10	20.37	20.23		
10	QPSK	25	25	20.12	20.27	20.16	21	0
10	QPSK	50	0	20.09	20.28	20.25		
10	16QAM	1	0	20.16	20.30	20.19		
10	16QAM	1	25	20.19	20.29	20.17		
10	16QAM	1	49	20.19	20.23	20.17		
10	16QAM	25	0	20.16	20.28	20.21	21	0
10	16QAM	25	12	20.09	20.27	20.14		
10	16QAM	25	25	20.06	20.26	20.18		
10	16QAM	50	0	20.09	20.32	20.21		
Channel							MPR (dB)	
Frequency (MHz)								
5	QPSK	1	0	1713.5	1745	1773.5	21	0
5	QPSK	1	12	20.24	20.30	20.20		
5	QPSK	1	24	20.22	20.37	20.11		
5	QPSK	12	0	20.21	20.32	20.23		
5	QPSK	12	7	20.18	20.37	20.21		
5	QPSK	12	13	20.16	20.26	20.20	21	0
5	QPSK	25	0	20.14	20.34	20.21		
5	16QAM	1	0	20.24	20.41	20.21		
5	16QAM	1	10	20.18	20.38	20.18		
5	16QAM	1	24	20.26	20.28	20.09		
5	16QAM	12	0	20.12	20.37	20.16	21	0
5	16QAM	12	7	20.08	20.27	20.13		
5	16QAM	12	13	20.10	20.32	20.13		
5	16QAM	25	0	20.03	20.34	20.20		
Channel							MPR (dB)	
Frequency (MHz)								
3	QPSK	1	0	1711.5	1745	1773.5	21	0
3	QPSK	1	8	20.26	20.38	20.23		
3	QPSK	1	14	20.21	20.28	20.19		
3	QPSK	8	0	20.13	20.32	20.20		
3	QPSK	8	4	20.08	20.31	20.13		
3	QPSK	8	7	20.09	20.36	20.17	21	0
3	QPSK	15	0	20.15	20.37	20.24		
3	16QAM	1	0	20.20	20.30	20.26		
3	16QAM	1	8	20.11	20.27	20.24		
3	16QAM	1	14	20.19	20.23	20.06		
3	16QAM	8	0	20.16	20.31	20.19	21	0
3	16QAM	8	4	20.01	20.32	20.12		
3	16QAM	8	7	20.11	20.34	20.19		
3	16QAM	15	0	20.12	20.26	20.18		
Channel							MPR (dB)	
Frequency (MHz)								
1.4	QPSK	1	0	1710.7	1745	1773.3	21	0
1.4	QPSK	1	5	20.26	20.40	20.25		
1.4	QPSK	1	5	20.19	20.32	20.20		
1.4	QPSK	1	5	20.25	20.38	20.12		
1.4	QPSK	3	0	20.18	20.34	20.29		
1.4	QPSK	3	1	20.11	20.30	20.18	21	0
1.4	QPSK	3	3	20.20	20.30	20.24		
1.4	QPSK	6	0	20.12	20.29	20.25		
1.4	16QAM	1	0	20.20	20.37	20.22		
1.4	16QAM	1	3	20.12	20.31	20.16		
1.4	16QAM	1	5	20.20	20.22	20.07	21	0
1.4	16QAM	3	0	20.19	20.36	20.24		
1.4	16QAM	3	1	20.07	20.28	20.16		
1.4	16QAM	3	1	20.10	20.33	20.17		
1.4	16QAM	6	0	20.10	20.27	20.25		

Band 71

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							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	QPSK	1	0	24.08	24.23	23.88	25	0
20	QPSK	1	49	24.00	23.74	23.78		
20	QPSK	1	99	23.81	23.78	23.78		
20	QPSK	50	0	23.11	23.15	23.07		
20	QPSK	50	24	23.04	23.13	22.86		
20	QPSK	50	50	22.81	22.88	22.79	24	1
20	QPSK	100	0	23.00	23.09	22.74		
20	16QAM	1	0	23.09	23.23	22.75		
20	16QAM	1	49	23.12	23.02	22.96		
20	16QAM	1	99	22.78	22.81	22.88		
20	16QAM	50	0	22.14	21.94	21.77	23	2
20	16QAM	50	24	22.13	21.72	21.72		
20	16QAM	50	50	21.80	21.72	21.78		
20	16QAM	100	0	22.05	21.83	21.72		
Channel				133197	133297	133397		
Frequency (MHz)				876.6	886.6	896.6		
15	QPSK	1	0	23.84	23.98	24.05	25	0
15	QPSK	1	37	23.86	23.89	23.84		
15	QPSK	1	74	23.76	23.69	23.74		
15	QPSK	36	0	22.75	22.81	22.85		
15	QPSK	36	36	23.04	23.02	23.14		
15	QPSK	36	36	22.84	22.79	22.77	24	1
15	QPSK	75	0	22.97	22.94	22.93		
15	16QAM	1	0	23.19	23.02	23.16		
15	16QAM	1	37	22.99	22.98	23.08		
15	16QAM	1	74	22.79	22.75	22.86		
15	16QAM	36	0	22.06	22.00	22.01	23	2
15	16QAM	36	20	22.14	22.15	22.10		
15	16QAM	36	39	21.88	21.71	21.78		
15	16QAM	75	0	22.07	22.11	22.07		
Channel				133172	133297	133422		
Frequency (MHz)				866	886.6	906.6		
10	QPSK	1	0	24.08	23.90	23.91	25	0
10	QPSK	1	25	23.89	23.94	23.93		
10	QPSK	1	25	23.76	23.75	23.89		
10	QPSK	25	0	22.89	22.71	22.80		
10	QPSK	25	25	23.01	23.06	23.15		
10	QPSK	25	25	22.89	22.83	22.91	24	1
10	QPSK	50	0	22.88	22.67	22.83		
10	16QAM	1	0	23.14	22.97	23.02		
10	16QAM	1	25	23.16	22.98	22.97		
10	16QAM	1	49	22.72	22.67	22.68		
10	16QAM	25	0	22.05	22.18	22.10	23	2
10	16QAM	25	12	22.05	22.18	22.17		
10	16QAM	25	25	21.71	21.73	21.73		
10	16QAM	50	0	22.08	22.02	22.09		
Channel				133147	133297	133447		
Frequency (MHz)				866.6	886.6	906.6		
5	QPSK	1	0	23.89	23.99	24.02	25	0
5	QPSK	1	12	23.94	23.93	23.98		
5	QPSK	1	24	23.86	23.86	23.73		
5	QPSK	12	0	22.74	22.72	22.84		
5	QPSK	12	7	23.14	23.18	23.15		
5	QPSK	12	23	22.86	22.77	22.77	24	1
5	QPSK	25	0	23.09	22.84	22.98		
5	16QAM	1	0	23.12	23.03	22.96		
5	16QAM	1	12	23.12	23.03	23.00		
5	16QAM	1	24	22.68	22.76	22.77		
5	16QAM	12	0	22.17	22.07	22.05	23	2
5	16QAM	12	7	22.05	22.12	22.16		
5	16QAM	12	13	21.86	21.80	21.88		
5	16QAM	25	0	22.10	22.11	21.98		

Conducted Power For WLAN/Bluetooth

<WLAN 2.4GHz>

2.4GHz WLAN						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.10	21.00	100.00
		6	2437	20.80	21.00	
		11	2462	20.60	21.00	
	802.11g 6Mbps	1	2412	15.30	16.00	97.57
		2	2417	17.90	19.00	
		6	2437	18.40	19.00	
		11	2462	15.50	16.00	
	802.11n-HT20 MCS0	1	2412	14.20	15.00	97.39
		2	2417	17.10	18.00	
		6	2437	17.60	18.00	
		11	2462	14.00	15.00	
	802.11n-HT40 MCS0	3	2422	11.50	12.50	94.92
		6	2437	13.50	14.50	
		9	2452	11.60	12.50	

<BT BR/EDR>

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	7.20	4.60	4.60
	CH 39	2441	7.20	4.60	4.60
	CH 78	2480	7.10	4.50	4.40
Tune-up Limit			9	6	6

BT LE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	7.00
	CH 19	2440	7.10
	CH 39	2480	7.00
Tune-up Limit			9