

Full Power

GSM850 Ant 0		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	848.8			824.2	836.4	848.8	
GSM 1 Tx slot		32.35	32.24	32.10	33.50		23.35	23.24	23.10	24.50
GPRS 1 Tx slot		32.33	32.21	32.05	33.50		23.33	23.21	23.05	24.50
GPRS 2 Tx slots		30.52	30.32	30.09	31.50		24.52	24.32	24.09	25.50
GPRS 3 Tx slots		29.02	28.83	28.79	30.00		24.76	24.57	24.53	25.74
GPRS 4 Tx slots		27.71	28.01	27.70	29.00		24.71	25.01	24.70	26.00

Band		WCDMA V Ant 0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.49	23.54	23.51	25.00
3GPP Rel 99	RMG 12.2Kbps	23.59	23.68	23.53	25.00
3GPP Rel 6	HSDPA Subtest-1	22.69	22.76	22.55	24.00
3GPP Rel 6	HSDPA Subtest-2	22.70	22.80	22.47	24.00
3GPP Rel 6	HSDPA Subtest-3	21.99	22.06	22.13	23.50
3GPP Rel 6	HSDPA Subtest-4	22.06	22.07	22.05	23.50
3GPP Rel 6	HSPA Subtest-1	22.59	22.72	22.51	24.00
3GPP Rel 6	HSPA Subtest-2	20.47	20.66	20.52	22.00
3GPP Rel 6	HSPA Subtest-3	21.63	21.78	21.59	23.00
3GPP Rel 6	HSPA Subtest-4	20.68	20.64	20.52	22.00
3GPP Rel 6	HSPA Subtest-5	22.57	22.76	22.62	24.00

Band 5 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.26	22.33	22.20	24	0	
10	QPSK	1	25	22.06	22.31	22.21			
10	QPSK	1	49	22.14	22.13	22.22			
10	QPSK	25	0	21.08	21.15	21.12	23	1	
10	QPSK	25	12	21.04	21.12	21.14			
10	QPSK	25	25	21.08	21.06	21.08			
10	QPSK	50	0	21.11	21.17	21.04	23	1	
10	16QAM	1	0	21.19	21.24	21.09			
10	16QAM	1	25	21.09	21.23	21.30			
10	16QAM	1	49	21.06	21.14	21.11	22	2	
10	16QAM	25	0	20.27	20.23	20.05			
10	16QAM	25	12	20.01	20.30	20.19			
10	16QAM	25	25	20.12	20.12	20.00	22	2	
10	16QAM	50	0	20.12	20.28	20.08			
10	64QAM	1	0	20.01	20.22	20.15			
10	64QAM	1	25	20.10	20.09	20.17	22	2	
10	64QAM	1	49	20.02	20.20	20.19			
10	64QAM	25	0	19.74	19.79	19.73			
10	64QAM	25	12	19.89	19.86	19.76	21	3	
10	64QAM	25	25	19.79	19.92	19.88			
10	64QAM	50	0	19.83	19.82	19.79			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	22.20	22.31	22.12	24	0	
5	QPSK	1	12	22.03	22.23	22.15			
5	QPSK	1	24	22.18	22.04	22.10			
5	QPSK	12	0	21.10	21.07	21.10	23	1	
5	QPSK	12	7	21.14	21.00	21.12			
5	QPSK	12	13	21.11	21.14	21.13			
5	QPSK	25	0	21.10	21.26	21.01	23	1	
5	16QAM	1	0	21.18	21.20	21.14			
5	16QAM	1	12	21.01	21.33	21.25			
5	16QAM	1	24	21.11	21.25	21.03	22	2	
5	16QAM	12	0	20.37	20.13	20.09			
5	16QAM	12	7	20.04	20.29	20.23			
5	16QAM	12	13	20.18	20.18	20.00	22	2	
5	16QAM	25	0	20.13	20.38	20.02			
5	64QAM	1	0	20.07	20.21	20.06			
5	64QAM	1	12	20.14	20.01	20.27	22	2	
5	64QAM	1	24	20.04	20.28	20.09			
5	64QAM	12	0	19.70	19.75	19.62			
5	64QAM	12	7	20.01	19.91	19.88	21	3	
5	64QAM	12	13	19.77	19.89	19.79			
5	64QAM	25	0	19.81	19.92	19.90			
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	22.25	22.23	22.14	24	0	
3	QPSK	1	8	22.14	22.05	22.10			
3	QPSK	1	14	22.20	22.13	22.16			
3	QPSK	8	0	21.15	21.07	21.21	23	1	
3	QPSK	8	4	21.11	21.12	21.03			
3	QPSK	8	7	21.04	21.18	21.03			
3	QPSK	15	0	21.12	21.10	21.13	23	1	
3	16QAM	1	0	21.17	21.23	21.00			
3	16QAM	1	8	21.06	21.20	21.26			
3	16QAM	1	14	21.12	21.03	21.19	22	2	
3	16QAM	8	0	20.33	20.27	20.00			
3	16QAM	8	4	20.15	20.33	20.15			
3	16QAM	8	7	20.22	20.19	20.03	22	2	
3	16QAM	15	0	20.14	20.17	20.14			
3	64QAM	1	0	20.08	20.19	20.06			
3	64QAM	1	8	20.08	20.12	20.25	22	2	
3	64QAM	1	14	20.13	20.23	20.09			
3	64QAM	8	0	19.73	19.85	19.67			
3	64QAM	8	4	19.84	19.93	19.77	21	3	
3	64QAM	8	7	19.71	19.91	19.85			
3	64QAM	15	0	19.94	19.77	19.78			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.24	22.11	22.17	24	0	
1.4	QPSK	1	3	22.01	22.11	22.19			
1.4	QPSK	1	5	22.20	22.15	22.25			
1.4	QPSK	3	0	22.14	22.31	22.17	23	1	
1.4	QPSK	3	1	22.12	22.25	22.16			
1.4	QPSK	3	3	22.19	22.12	22.28			
1.4	QPSK	6	0	21.21	21.05	21.03	23	1	
1.4	16QAM	1	0	21.25	21.28	21.03			
1.4	16QAM	1	3	21.05	21.31	21.29			
1.4	16QAM	1	5	21.02	21.14	21.07	23	1	
1.4	16QAM	3	0	21.13	21.15	21.11			
1.4	16QAM	3	1	21.26	21.33	21.08			
1.4	16QAM	3	3	21.11	21.12	21.20	22	2	
1.4	16QAM	6	0	20.15	20.31	20.14			
1.4	64QAM	1	0	20.13	20.23	20.15			
1.4	64QAM	1	3	20.13	20.17	20.07	22	2	
1.4	64QAM	1	5	20.26	20.10	20.23			
1.4	64QAM	3	0	20.01	20.36	20.00			
1.4	64QAM	3	1	20.00	20.21	20.07	22	2	
1.4	64QAM	3	3	20.14	20.18	20.18			
1.4	64QAM	6	0	19.82	19.74	19.73			
							21	3	

Band 12 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.29	22.44	22.39	24	0	
10	QPSK	1	25	22.33	22.38	22.36			
10	QPSK	1	49	22.21	22.42	22.35			
10	QPSK	25	0	21.24	21.25	21.22	23	1	
10	QPSK	25	12	21.20	21.19	21.23			
10	QPSK	25	25	21.20	21.18	21.20			
10	QPSK	50	0	21.28	21.31	21.30	23	1	
10	16QAM	1	0	21.37	21.21	21.29			
10	16QAM	1	25	21.19	21.27	21.29			
10	16QAM	1	49	21.33	21.33	21.26	22	2	
10	16QAM	25	0	20.24	20.22	20.13			
10	16QAM	25	12	20.11	20.11	20.13			
10	16QAM	25	25	20.08	20.07	20.23	22	2	
10	16QAM	50	0	20.10	20.26	20.09			
10	64QAM	1	0	20.14	20.22	20.17			
10	64QAM	1	25	20.05	20.25	20.14	22	2	
10	64QAM	1	49	20.13	20.08	20.13			
10	64QAM	25	0	19.19	19.16	19.34			
10	64QAM	25	12	19.35	19.18	19.26	21	3	
10	64QAM	25	25	19.14	19.15	19.18			
10	64QAM	50	0	19.25	19.15	19.26			
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.22	22.23	22.23	24	0	
5	QPSK	1	12	22.34	22.18	22.29			
5	QPSK	1	24	22.19	22.42	22.14			
5	QPSK	12	0	21.13	21.03	21.09	23	1	
5	QPSK	12	7	21.21	21.11	21.09			
5	QPSK	12	13	21.11	21.08	21.06			
5	QPSK	25	0	21.25	21.14	21.11	23	1	
5	16QAM	1	0	21.30	21.08	21.20			
5	16QAM	1	12	21.17	21.09	21.13			
5	16QAM	1	24	21.17	21.25	21.23	22	2	
5	16QAM	12	0	20.22	20.07	20.02			
5	16QAM	12	7	20.05	20.15	20.01			
5	16QAM	12	13	20.17	20.16	20.16	22	2	
5	16QAM	25	0	20.04	20.09	20.08			
5	64QAM	1	0	20.05	20.09	20.12			
5	64QAM	1	12	20.06	20.17	20.11	22	2	
5	64QAM	1	24	20.06	20.22	20.03			
5	64QAM	12	0	19.13	19.12	19.15			
5	64QAM	12	7	19.23	19.13	19.07	21	3	
5	64QAM	12	13	19.08	19.05	19.05			
5	64QAM	25	0	19.07	19.14	19.11			
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.31	22.37	22.36	24	0	
3	QPSK	1	8	22.13	22.25	22.17			
3	QPSK	1	14	22.20	22.29	22.29			
3	QPSK	8	0	21.06	21.18	21.15	23	1	
3	QPSK	8	4	21.01	21.21	21.01			
3	QPSK	8	7	21.15	21.01	21.11			
3	QPSK	15	0	21.08	21.28	21.24	23	1	
3	16QAM	1	0	21.24	21.00	21.08			
3	16QAM	1	8	21.15	21.06	21.11			
3	16QAM	1	14	21.13	21.34	21.09	22	2	
3	16QAM	8	0	20.16	20.13	20.24			
3	16QAM	8	4	20.01	20.09	20.02			
3	16QAM	8	7	20.21	20.18	20.13	22	2	
3	16QAM	15	0	20.11	20.01	20.12			
3	64QAM	1	0	20.04	20.08	20.02			
3	64QAM	1	8	20.00	20.16	20.08	22	2	
3	64QAM	1	14	20.07	20.04	20.20			
3	64QAM	8	0	19.15	19.03	19.33			
3	64QAM	8	4	19.33	19.14	19.24	21	3	
3	64QAM	8	7	19.10	19.15	19.16			
3	64QAM	15	0	19.18	19.16	19.10			
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.17	22.30	22.35	24	0	
1.4	QPSK	1	3	22.19	22.17	22.37			
1.4	QPSK	1	5	22.12	22.36	22.14			
1.4	QPSK	3	0	22.08	22.23	22.37	23	1	
1.4	QPSK	3	1	22.23	22.43	22.36			
1.4	QPSK	3	3	22.21	22.23	22.26			
1.4	QPSK	6	0	21.08	21.23	21.11	23	1	
1.4	16QAM	1	0	21.38	21.02	21.17			
1.4	16QAM	1	3	21.11	21.26	21.25			
1.4	16QAM	1	5	21.32	21.34	21.23	22	2	
1.4	16QAM	3	0	21.20	21.18	21.18			
1.4	16QAM	3	1	21.08	21.06	21.27			
1.4	16QAM	3	3	21.19	21.20	21.24	22	2	
1.4	16QAM	6	0	20.16	20.22	20.15			
1.4	64QAM	1	0	20.16	20.18	20.13			
1.4	64QAM	1	3	20.04	20.00	20.10	22	2	
1.4	64QAM	1	5	20.12	20.08	20.15			
1.4	64QAM	3	0	20.16	20.14	20.12			
1.4	64QAM	3	1	20.02	20.12	20.22	21	3	
1.4	64QAM	3	3	20.23	20.07	20.04			
1.4	64QAM	6	0	19.27	19.19	19.05			

GSM1900 Ant 1 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.83	28.33	28.35	29.50	19.83	19.33	19.35	20.50
GPRS 1 Tx slot	28.81	28.31	28.34	29.50	19.81	19.31	19.34	20.50
GPRS 2 Tx slots	28.82	28.44	28.51	27.50	20.82	20.44	20.51	21.50
GPRS 3 Tx slots	25.41	25.43	25.16	26.50	21.15	21.17	20.90	22.24
GPRS 4 Tx slots	23.63	23.22	23.16	24.50	20.63	20.22	20.16	21.50

Band 2 Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				1860	1880	1900						
20	QPSK	1	0	22.37	22.43	22.33	24	0				
20	QPSK	1	49	22.36	22.29	22.32						
20	QPSK	1	99	22.38	22.37	22.20						
20	QPSK	50	0	21.15	21.33	21.14						
20	QPSK	50	24	21.21	21.17	21.20	23	1				
20	QPSK	50	50	21.29	21.26	21.16						
20	QPSK	100	0	21.21	21.40	21.26						
20	16QAM	1	0	21.31	21.22	21.37						
20	16QAM	1	49	21.25	21.19	21.29	23	1				
20	16QAM	1	99	21.27	21.21	21.32						
20	16QAM	50	0	20.38	20.33	20.22						
20	16QAM	50	24	20.34	20.23	20.34						
20	16QAM	50	50	20.24	20.22	20.31	22	2				
20	16QAM	100	0	20.21	20.20	20.32						
20	64QAM	1	0	20.24	20.43	20.23						
20	64QAM	1	49	20.31	20.29	20.29						
20	64QAM	1	99	20.20	20.37	20.23	22	2				
20	64QAM	50	0	20.40	20.43	20.24						
20	64QAM	50	24	20.36	20.33	20.19						
20	64QAM	50	50	20.36	20.40	20.36						
20	64QAM	100	0	20.40	20.26	20.32	23	1				
Channel												
Frequency (MHz)				1867.5	1890	1912.5				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.31	22.25	22.23	24	0				
15	QPSK	1	37	22.15	22.24	22.20						
15	QPSK	1	74	22.21	22.41	22.17						
15	QPSK	36	0	21.17	21.31	21.00						
15	QPSK	36	20	21.25	21.05	21.13	23	1				
15	QPSK	36	39	21.07	21.31	21.24						
15	QPSK	75	0	21.10	21.27	21.13						
15	16QAM	1	0	21.26	21.01	21.28						
15	16QAM	1	37	21.26	21.15	21.25	23	1				
15	16QAM	1	74	21.29	21.14	21.15						
15	16QAM	36	0	20.33	20.23	20.00						
15	16QAM	36	20	20.32	20.20	20.38						
15	16QAM	36	39	20.04	20.18	20.13	22	2				
15	16QAM	75	0	20.21	20.11	20.30						
15	64QAM	1	0	20.13	20.37	20.18						
15	64QAM	1	37	20.15	20.31	20.18						
15	64QAM	1	74	20.12	20.36	20.12	22	2				
15	64QAM	36	0	20.25	20.43	20.18						
15	64QAM	36	20	20.23	20.15	20.15						
15	64QAM	36	39	20.27	20.28	20.38						
15	64QAM	75	0	20.29	20.21	20.18	22	2				
Channel												
Frequency (MHz)				18650	18900	19150				Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.26	22.27	22.28	24	0				
10	QPSK	1	25	22.20	22.16	22.18						
10	QPSK	1	49	22.34	22.25	22.03						
10	QPSK	25	0	21.16	21.14	21.02						
10	QPSK	25	12	21.14	21.36	21.21	23	1				
10	QPSK	25	25	21.25	21.08	21.04						
10	QPSK	50	0	21.06	21.27	21.17						
10	16QAM	1	0	21.13	21.17	21.29						
10	16QAM	1	25	21.17	21.07	21.27	23	1				
10	16QAM	1	49	21.18	21.17	21.22						
10	16QAM	25	0	20.24	20.12	20.24						
10	16QAM	25	12	20.24	20.04	20.25						
10	16QAM	25	25	20.18	20.18	20.23	22	2				
10	16QAM	50	0	20.03	20.15	20.19						
10	64QAM	1	0	20.15	20.24	20.22						
10	64QAM	1	25	20.31	20.07	20.10						
10	64QAM	1	49	20.00	20.27	20.16	22	2				
10	64QAM	25	0	20.32	20.27	20.15						
10	64QAM	25	12	20.20	20.35	20.14						
10	64QAM	25	25	20.25	20.19	20.27						
10	64QAM	50	0	20.33	20.25	20.17	24	0				
Channel												
Frequency (MHz)				1852.5	1880	1907.5				Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.36	22.41	22.25	23	0				
5	QPSK	1	12	22.19	22.20	22.22						
5	QPSK	1	24	22.24	22.25	22.16						
5	QPSK	12	0	21.02	21.19	21.06						
5	QPSK	12	7	21.08	21.08	21.13	23	1				
5	QPSK	12	13	21.20	21.07	21.12						
5	QPSK	25	0	21.13	21.28	21.25						
5	16QAM	1	0	21.15	21.02	21.17						
5	16QAM	1	12	21.09	21.15	21.11	23	1				
5	16QAM	1	24	21.09	21.11	21.15						
5	16QAM	12	0	20.19	20.29	20.07						
5	16QAM	12	7	20.30	20.24	20.32						
5	16QAM	12	13	20.11	20.13	20.19	22	2				
5	16QAM	25	0	20.24	20.44	20.12						
5	64QAM	1	0	20.21	20.14	20.24						
5	64QAM	1	12	20.00	20.29	20.24						
5	64QAM	1	24	20.12	20.16	20.19	22	2				
5	64QAM	12	0	20.24	20.36	20.07						
5	64QAM	12	7	20.38	20.21	20.04						
5	64QAM	12	13	20.38	20.31	20.30						
5	64QAM	25	0	20.30	20.11	20.22	24	0				
Channel												
Frequency (MHz)				18615 <th>1880</th> <th>1908.5</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	1880	1908.5				Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	22.17	22.23	22.33	24	0				
3	QPSK	1	8	22.33	22.21	22.22						
3	QPSK	1	14	22.20	22.23	22.19						
3	QPSK	8	0	21.17	21.27	21.07						
3	QPSK	8	4	21.15	21.03	21.15	23	1				
3	QPSK	8	7	21.15	21.18	21.15						
3	QPSK	15	0	21.16	21.37	21.27						
3	16QAM	1	0	21.25	21.12	21.34						
3	16QAM	1	8	21.16	21.09	21.29	23	1				
3	16QAM	1	14	21.06	21.14	21.19						
3	16QAM	8	0	20.21	20.33	20.03						
3	16QAM	8	4	20.15	20.23	20.35						
3	16QAM	8	7	20.21	20.21	20.16	22	2				
3	16QAM	15	0	20.22	20.21	20.29						
3	64QAM	1	0	20.03	20.24	20.22						
3	64QAM	1	8	20.12	20.08	20.15						
3	64QAM	1	14	20.13	20.33	20.12	22	2				
3	64QAM	8	0	20.24	20.17	20.30						
3	64QAM	8	4	20.16	20.28	20.17						
3	64QAM	8	7	20.33	20.33	20.26						
3	64QAM	15	0	20.25	20.27	20.17	24	0				
Channel												
Frequency (MHz)				1850.7	1880	1909.3				Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.18	22.40	22.24	24	0				
1.4	QPSK	1	3	22.37	22.08	22.24						
1.4	QPSK	1	5	22.36	22.40	22.02						
1.4	QPSK	3	0	22.25	22.30	22.19						
1.4	QPSK	3	1	22.28	22.13	22.16	23	1				
1.4	QPSK	3	3	22.20	22.41	22.13						
1.4	QPSK	6	0	21.21	21.27	21.14						
1.4	16QAM	1	0	21.13	21.06	21.33						
1.4	16QAM	1	3	21.10	21.00	21.29	23	1				
1.4	16QAM	1	5	21.19	21.00	21.34						
1.4	16QAM	3	0	21.10	21.32	21.10						
1.4	16QAM	3	1	21.32	21.20	21.16						
1.4	16QAM	3	3	21.26	21.03	21.19	22	2				
1.4	16QAM	6	0	20.05	20.02	20.33						
1.4	64QAM	1	0	20.13	20.36	20.06						
1.4	64QAM	1	3	20.31	20.12	20.33						
1.4	64QAM	1	5	20.18	20.45	20.18	22	2				
1.4	64QAM	3	0	20.31	20.45	20.26						
1.4	64QAM	3	1	20.20	20.25	20.01						
1.4	64QAM	3	3	20.36	20.37	20.29						
1.4	64QAM	6	0	20.32	20.12	20.25	22	2				

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.59	22.54	22.51	24	0		
20	QPSK	1	49	22.59	22.52	22.44				
20	QPSK	1	99	22.19	22.50	22.39				
20	QPSK	50	0	21.59	21.54	21.43				
20	QPSK	50	24	21.43	21.52	21.48	23	1		
20	QPSK	50	50	21.45	21.61	21.53				
20	QPSK	100	0	21.47	21.54	21.45				
20	16QAM	1	0	21.50	21.54	21.61				
20	16QAM	1	49	21.58	21.59	21.41	23	1		
20	16QAM	1	99	21.45	21.59	21.41				
20	16QAM	50	0	20.54	20.54	20.55				
20	16QAM	50	24	20.54	20.52	20.48				
20	16QAM	50	50	20.53	20.53	20.58	22	2		
20	16QAM	100	0	20.48	20.49	20.40				
20	64QAM	1	0	20.59	20.43	20.56				
20	64QAM	1	49	20.54	20.52	20.50				
20	64QAM	1	99	20.48	20.50	20.48	21	3		
20	64QAM	50	0	20.59	20.43	20.57				
20	64QAM	50	24	20.47	20.43	20.44				
20	64QAM	50	50	20.50	20.52	20.39				
20	64QAM	100	0	20.57	20.43	20.54	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.34	22.46	22.44	24	0		
15	QPSK	1	37	22.60	22.29	22.27				
15	QPSK	1	74	22.14	22.31	22.18				
15	QPSK	36	0	21.38	21.49	21.25				
15	QPSK	36	20	21.29	21.34	21.26	23	1		
15	QPSK	36	36	21.33	21.52	21.48				
15	QPSK	75	0	21.39	21.50	21.28				
15	16QAM	1	0	21.42	21.34	21.61				
15	16QAM	1	37	21.51	21.59	21.41	23	1		
15	16QAM	1	74	21.43	21.56	21.25				
15	16QAM	36	0	20.37	20.53	20.56				
15	16QAM	36	20	20.54	20.36	20.36				
15	16QAM	75	0	20.30	20.39	20.42	22	2		
15	16QAM	1	0	20.40	20.29	20.43				
15	64QAM	1	37	20.41	20.52	20.37				
15	64QAM	1	74	20.31	20.48	20.42				
15	64QAM	36	0	20.50	20.43	20.47	21	3		
15	64QAM	36	20	20.34	20.44	20.30				
15	64QAM	36	39	20.40	20.40	20.27				
15	64QAM	75	0	20.43	20.26	20.48				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.26	22.41	22.40	24	0		
10	QPSK	1	25	22.04	22.22	22.27				
10	QPSK	1	49	22.12	22.33	22.28				
10	QPSK	25	0	21.90	21.60	21.33				
10	QPSK	25	12	21.22	21.35	21.29	23	1		
10	QPSK	25	25	21.36	21.57	21.31				
10	QPSK	50	0	21.40	21.39	21.25				
10	16QAM	1	0	21.37	21.51	21.54				
10	16QAM	1	25	21.40	21.57	21.39	23	1		
10	16QAM	1	49	21.49	21.54	21.30				
10	16QAM	25	0	20.42	20.47	20.44				
10	16QAM	25	12	20.53	20.42	20.49				
10	16QAM	25	25	20.59	20.44	20.49	22	2		
10	16QAM	50	0	20.43	20.32	20.39				
10	64QAM	1	0	20.46	20.24	20.57				
10	64QAM	1	25	20.42	20.40	20.35				
10	64QAM	1	49	20.36	20.56	20.49	22	2		
10	64QAM	25	0	20.55	20.25	20.55				
10	64QAM	25	12	20.40	20.40	20.37				
10	64QAM	25	25	20.43	20.37	20.31				
10	64QAM	50	0	20.39	20.28	20.32	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.29	22.36	22.33	24	0		
5	QPSK	1	12	22.18	22.22	22.27				
5	QPSK	1	24	22.14	22.35	22.32				
5	QPSK	12	0	21.47	21.53	21.32				
5	QPSK	12	7	21.28	21.43	21.40	23	1		
5	QPSK	12	13	21.25	21.48	21.39				
5	QPSK	25	0	21.40	21.44	21.45				
5	16QAM	1	0	21.49	21.44	21.63				
5	16QAM	1	12	21.45	21.60	21.39	23	1		
5	16QAM	1	24	21.47	21.46	21.36				
5	16QAM	12	0	20.36	20.50	20.36				
5	16QAM	12	7	20.34	20.48	20.46				
5	16QAM	12	13	20.34	20.32	20.45	22	2		
5	16QAM	25	0	20.29	20.37	20.36				
5	64QAM	1	0	20.53	20.35	20.48				
5	64QAM	1	12	20.33	20.36	20.35				
5	64QAM	1	24	20.26	20.60	20.28	22	2		
5	64QAM	12	0	20.47	20.26	20.51				
5	64QAM	12	7	20.46	20.27	20.35				
5	64QAM	12	13	20.36	20.40	20.40				
5	64QAM	25	0	20.37	20.40	20.52	21	3		
Channel										
Frequency (MHz)										

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. Ch / Freq	Power Low Middle Co. Ch / Freq	Power Middle Co. Ch / Freq	Power High Middle Co. Ch / Freq	Power High Co. Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.51	22.43	22.65	22.42	22.55	24	0		
20	QPSK	1	49	22.35	22.20	22.45	22.28	22.41				
20	QPSK	1	99	22.32	22.20	22.48	22.33	22.40				
20	QPSK	50	0	21.37	21.58	21.59	21.46	21.48				
20	QPSK	50	24	21.51	21.53	21.51	21.56	21.51	23	1		
20	QPSK	50	50	21.55	21.54	21.57	21.56	21.54				
20	QPSK	100	0	21.49	21.53	21.56	21.38	21.46				
20	16QAM	1	0	21.51	21.58	21.40	21.47	21.47				
20	16QAM	1	49	21.51	21.52	21.58	21.38	21.58	23	1		
20	16QAM	1	99	21.58	21.55	21.40	21.42	21.61				
20	16QAM	50	0	20.57	20.57	20.50	20.45	20.44				
20	16QAM	50	24	20.52	20.41	20.39	20.47	20.58				
20	16QAM	50	50	20.39	20.41	20.39	20.49	20.40	22	2		
20	16QAM	100	0	20.47	20.50	20.38	20.50	20.48				
20	64QAM	1	0	20.57	20.45	20.49	20.62	20.44				
20	64QAM	1	49	20.56	20.51	20.57	20.51	20.57				
20	64QAM	1	99	20.56	20.59	20.40	20.45	20.54	22	2		
20	64QAM	50	0	19.55	19.50	19.44	19.40	19.54				
20	64QAM	50	24	19.50	19.53	19.48	19.48	19.48				
20	64QAM	50	50	19.38	19.41	19.47	19.45	19.54				
20	64QAM	100	0	19.38	19.38	19.49	19.55	19.48	Tune-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.50	22.23	22.47	22.23	22.55	24	0		
15	QPSK	1	37	22.28	22.18	22.35	22.27	22.21				
15	QPSK	1	74	22.19	22.19	22.26	22.23	22.21				
15	QPSK	36	0	21.23	21.43	21.43	21.31	21.45				
15	QPSK	36	20	21.45	21.42	21.37	21.40	21.50	23	1		
15	64QAM	1	0	21.39	21.56	21.44	21.46	21.42				
15	QPSK	75	0	21.48	21.39	21.45	21.33	21.32				
15	16QAM	1	0	21.43	21.50	21.29	21.29	21.42				
15	16QAM	1	37	21.35	21.45	21.49	21.39	21.50	23	1		
15	16QAM	1	74	21.46	21.53	21.23	21.31	21.41				
15	16QAM	36	0	20.55	20.52	20.37	20.28	20.44				
15	16QAM	36	20	20.41	20.39	20.34	20.34	20.41				
15	16QAM	36	39	20.29	20.38	20.29	20.41	20.31	22	2		
15	16QAM	75	0	20.28	20.46	20.38	20.44	20.29				
15	64QAM	1	0	20.41	20.26	20.49	20.46	20.28				
15	64QAM	1	37	20.35	20.47	20.56	20.31	20.46	22	2		
15	64QAM	1	74	20.35	20.48	20.18	20.38	20.47				
15	64QAM	36	0	19.35	19.34	19.37	19.41	19.38				
15	64QAM	36	20	19.32	19.40	19.43	19.44	19.44	21	3		
15	64QAM	36	39	19.35	19.40	19.35	19.26	19.31				
15	64QAM	75	0	19.35	19.16	19.48	19.36	19.45				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.51	22.43	22.65	22.42	22.55	24	0		
20	QPSK	1	20	22.35	22.20	22.45	22.28	22.27				
20	QPSK	1	49	22.37	22.24	22.40	22.34	22.21				
20	QPSK	25	12	21.25	21.51	21.38	21.38	21.43				
20	QPSK	25	12	21.41	21.40	21.44	21.37	21.47	23	1		
20	QPSK	25	25	21.46	21.42	21.53	21.36	21.41				
20	QPSK	50	0	21.50	21.35	21.37	21.23	21.44				
20	16QAM	1	0	21.50	21.40	21.32	21.48	21.29				
20	16QAM	1	21	21.33	21.33	21.44	21.41	21.05	23	1		
20	16QAM	1	49	21.52	21.45	21.35	21.30	21.51				
20	16QAM	25	12	20.50	20.58	20.39	20.30	20.33				
20	16QAM	25	12	20.48	20.49	20.37	20.28	20.32				
20	16QAM	25	25	20.31	20.30	20.20	20.30	20.22	22	2		
20	16QAM	50	0	20.28	20.45	20.21	20.41	20.42				
20	16QAM	50	24	20.49	20.39	20.38	20.38	20.44				
20	16QAM	50	49	20.58	20.49	20.40	20.36	20.51				
20	16QAM	1	49	20.57	20.53	20.37	20.37	20.56	22	2		
20	16QAM	36	0	19.48	19.48	19.36	19.36	19.36				
20	16QAM	25	12	19.44	19.35	19.42	19.27	19.31				
20	16QAM	25	25	19.19	19.20	19.30	19.25	19.30				
20	16QAM	50	0	19.39	19.30	19.42	19.51	19.26	Tune-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.49	22.48	22.58	22.37	22.48	24	0		
5	QPSK	1	24	22.23	22.21	22.52	22.27	22.39				
5	QPSK	12	0	21.24	21.52	21.55	21.30	21.40				
5	QPSK	12	7	21.38	21.42	21.37	21.42	21.42				
5	QPSK	12	13	21.50	21.42	21.41	21.38	21.42	23	1		
5	QPSK	25	0	21.36	21.39	21.42	21.26	21.29				
5	16QAM	1	0	21.48	21.38	21.32	21.21	21.28				
5	16QAM	12	1	21.35	21.46	21.42	21.36	21.50				
5	16QAM	1	24	21.38	21.36	21.39	21.29	21.47	23	1		
5	16QAM	12	0	20.43	20.30	20.33	20.21	20.37				
5	16QAM	12	7	20.35	20.30	20.38	20.41	20.46				
5	16QAM	12	13	20.18	20.36	20.35	20.32	20.32				
5	16QAM	25	0	20.52	20.17	20.17	20.17	20.38	22	2		
5	16QAM	25	0	20.59	20.42	20.41	20.47	20.31				
5	64QAM	1	12	20.45	20.30	20.37	20.47	20.45				
5	64QAM	1	24	20.44	20.30	20.36	20.46	20.45				
5	64QAM	12	0	19.35	19.29	19.29	19.30	19.39	21	3		
5	64QAM	12	7	19.35	19.37	19.46	19.36	19.37				
5	64QAM	12	13	19.36	19.26	19.30	19.32	19.46				
5	64QAM	25	0	19.23	19.31	19.42	19.31	19.46				

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	24.5	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	22.94	23.13	22.92			
20	QPSK	1	49	22.83	23.02	23.03	23.5	1	
20	QPSK	1	99	22.92	22.96	23.01			
20	QPSK	50	0	21.97	22.13	21.92			
20	QPSK	50	24	21.97	22.12	22.06	23.5	1	
20	QPSK	50	50	22.09	22.09	22.01			
20	QPSK	100	0	21.95	22.15	22.14			
20	16QAM	1	0	22.05	22.05	21.99	23.5	1	
20	16QAM	1	49	22.01	21.87	21.95			
20	16QAM	1	99	21.95	22.03	21.94			
20	16QAM	50	0	20.94	21.03	21.04	22.5	2	
20	16QAM	50	24	21.06	21.03	20.84			
20	16QAM	50	50	20.86	20.99	20.94			
20	16QAM	100	0	20.96	20.84	21.08	22.5	2	
20	64QAM	1	0	21.02	21.04	21.00			
20	64QAM	1	49	20.87	20.86	21.02			
20	64QAM	1	99	21.01	20.84	20.89	21.5	3	
20	64QAM	50	0	19.98	19.94	19.90			
20	64QAM	50	24	19.99	20.04	19.96			
20	64QAM	50	50	19.99	19.87	19.86	21.5	3	
20	64QAM	100	0	20.03	19.86	19.90			
Channel				42165	42590	43015	24.5	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	22.89	23.05	22.81			
15	QPSK	1	37	22.82	22.81	22.88	23.5	1	
15	QPSK	1	74	22.78	22.87	22.86			
15	QPSK	36	0	21.78	22.12	21.90			
15	QPSK	36	20	21.91	22.12	21.90	23.5	1	
15	QPSK	36	39	21.98	22.01	22.02			
15	QPSK	75	0	21.94	22.00	21.94			
15	16QAM	1	0	21.97	21.86	21.92	23.5	1	
15	16QAM	1	37	21.99	21.86	21.82			
15	16QAM	1	74	21.77	22.02	21.84			
15	16QAM	36	0	20.74	20.96	20.83	22.5	2	
15	16QAM	36	20	21.07	20.95	20.85			
15	16QAM	36	39	20.70	20.93	20.87			
15	16QAM	75	0	20.85	20.66	20.95	22.5	2	
15	64QAM	1	0	21.02	20.94	21.00			
15	64QAM	1	37	20.85	20.78	20.91			
15	64QAM	1	74	20.84	20.86	20.87	21.5	3	
15	64QAM	36	0	19.94	19.85	19.72			
15	64QAM	36	20	19.77	20.00	19.83			
15	64QAM	36	39	19.86	19.67	19.75	21.5	3	
15	64QAM	75	0	20.04	19.71	19.71			
Channel				42140	42590	43040	24.5	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	22.75	23.11	22.73			
10	QPSK	1	25	22.78	22.87	23.02	23.5	1	
10	QPSK	1	49	22.73	22.74	22.79			
10	QPSK	25	0	21.95	21.91	21.82			
10	QPSK	25	12	21.93	22.04	22.06	23.5	1	
10	QPSK	25	25	22.08	21.88	21.92			
10	QPSK	50	0	21.92	22.13	22.07			
10	16QAM	1	0	21.88	21.92	21.77	23.5	1	
10	16QAM	1	25	21.85	21.68	21.77			
10	16QAM	1	49	21.84	21.98	21.73			
10	16QAM	25	0	20.78	20.82	20.93	22.5	2	
10	16QAM	25	12	20.99	20.97	20.75			
10	16QAM	25	25	20.84	20.99	20.74			
10	16QAM	50	0	20.94	20.77	20.88	22.5	2	
10	64QAM	1	0	20.90	20.83	20.91			
10	64QAM	1	25	20.74	20.81	20.92			
10	64QAM	1	49	20.94	20.76	20.89	21.5	3	
10	64QAM	25	0	19.81	19.86	19.76			
10	64QAM	25	12	19.95	19.87	19.89			
10	64QAM	25	25	19.85	19.72	19.69	21.5	3	
10	64QAM	50	0	19.96	19.79	19.78			
Channel				42115	42590	43065	24.5	0	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	22.82	22.94	22.86			
5	QPSK	1	12	22.70	23.02	22.91	23.5	1	
5	QPSK	1	24	22.76	22.96	22.96			
5	QPSK	12	0	21.77	22.08	21.84			
5	QPSK	12	7	21.86	21.91	21.98	23.5	1	
5	QPSK	12	13	22.07	21.99	21.98			
5	QPSK	25	0	21.73	22.14	22.14			
5	16QAM	1	0	21.92	22.02	21.90	23.5	1	
5	16QAM	1	12	21.86	21.87	21.93			
5	16QAM	1	24	21.85	22.03	21.81			
5	16QAM	12	0	20.83	20.90	20.88	22.5	2	
5	16QAM	12	7	20.89	20.85	20.83			
5	16QAM	12	13	20.74	20.89	20.79			
5	16QAM	25	0	20.85	20.71	20.90	22.5	2	
5	64QAM	1	0	20.99	21.00	20.80			
5	64QAM	1	12	20.77	20.77	20.92			
5	64QAM	1	24	20.84	20.65	20.86	21.5	3	
5	64QAM	12	0	19.89	19.78	19.88			
5	64QAM	12	7	19.83	19.98	19.86			
5	64QAM	12	13	19.83	19.76	19.84	21.5	3	
5	64QAM	25	0	19.89	19.66	19.77			

GSM850 Ant 4		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	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.52	32.23	32.21	33.50	23.52	23.23	23.21	24.50
GPRS 1 Tx slot		32.50	32.20	32.17	33.50	23.50	23.20	23.17	24.50
GPRS 2 Tx slots		30.49	30.12	30.10	31.50	24.49	24.12	24.10	25.50
GPRS 3 Tx slots		28.91	28.50	28.53	30.00	24.65	24.24	24.27	25.74
GPRS 4 Tx slots		27.84	27.86	27.60	29.00	24.84	24.86	24.60	26.00

GSM1900 Ant 4		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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		26.52	26.20	26.33	29.50	19.52	19.20	19.33	20.50
GPRS 1 Tx slot		26.50	26.17	26.30	29.50	19.50	19.17	19.30	20.50
GPRS 2 Tx slots		26.39	25.93	26.14	27.50	20.39	19.93	20.14	21.50
GPRS 3 Tx slots		25.01	25.05	24.95	26.50	20.75	20.79	20.69	22.24
GPRS 4 Tx slots		23.04	22.93	22.83	24.50	20.04	19.93	19.83	21.50

Band		WCDMA V Ant 4			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.26	23.29	23.27	25.00
3GPP Rel 99	RMC 12.2Kbps	23.30	23.34	23.29	25.00
3GPP Rel 6	HSDPA Subtest-1	22.32	22.28	22.35	24.00
3GPP Rel 6	HSDPA Subtest-2	22.35	22.34	22.33	24.00
3GPP Rel 6	HSDPA Subtest-3	21.84	21.90	21.77	23.50
3GPP Rel 6	HSDPA Subtest-4	21.91	21.93	21.73	23.50
3GPP Rel 6	HSUPA Subtest-1	22.37	22.36	22.34	24.00
3GPP Rel 6	HSUPA Subtest-2	20.38	20.38	20.31	22.00
3GPP Rel 6	HSUPA Subtest-3	21.34	21.27	21.37	23.00
3GPP Rel 6	HSUPA Subtest-4	20.20	20.41	20.25	22.00
3GPP Rel 6	HSUPA Subtest-5	22.20	22.25	22.26	24.00

Band 2 Ant 4											
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)				1860	1880	1900					
20	QPSK	1	0	22.47	22.51	22.42	24	0			
20	QPSK	1	49	22.27	22.38	22.32					
20	QPSK	1	99	22.43	22.49	22.38					
20	QPSK	50	0	21.40	21.47	21.41					
20	QPSK	50	24	21.21	21.35	21.25	23	1			
20	QPSK	50	50	21.30	21.41	21.35					
20	QPSK	100	0	21.37	21.50	21.40					
20	16QAM	1	0	21.37	21.46	21.38					
20	16QAM	1	49	21.37	21.42	21.28	23	1			
20	16QAM	1	99	21.40	21.53	21.43					
20	16QAM	50	0	20.35	20.48	20.42					
20	16QAM	50	24	20.29	20.42	20.33					
20	16QAM	50	50	20.36	20.51	20.42	22	2			
20	16QAM	100	0	20.43	20.53	20.48					
20	16QAM	1	0	20.69	20.83	20.77					
20	16QAM	1	49	20.70	20.81	20.67					
20	16QAM	1	99	20.82	20.89	20.76	22	2			
20	16QAM	50	0	19.25	19.40	19.34					
20	16QAM	50	24	19.16	19.28	19.13					
20	16QAM	50	50	19.33	19.41	19.34					
20	16QAM	100	0	19.41	19.51	19.37	21	3			
Channel											
Frequency (MHz)				1867.5	1890	1912.5			Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.39	22.48	22.29	24	0			
15	QPSK	1	37	22.17	22.32	22.18					
15	QPSK	1	74	22.41	22.35	22.31					
15	QPSK	36	0	21.35	21.41	21.37					
15	QPSK	36	20	21.12	21.29	21.18	23	1			
15	QPSK	36	39	21.23	21.36	21.27					
15	QPSK	75	0	21.20	21.36	21.36					
15	16QAM	1	0	21.33	21.29	21.26					
15	16QAM	1	37	21.33	21.30	21.20	23	1			
15	16QAM	1	74	21.23	21.36	21.35					
15	16QAM	36	0	20.23	20.44	20.27					
15	16QAM	36	20	20.23	20.26	20.24					
15	16QAM	36	39	20.30	20.34	20.26	22	2			
15	16QAM	75	0	20.38	20.42	20.31					
15	16QAM	1	0	20.65	20.78	20.69					
15	16QAM	1	37	20.56	20.77	20.55					
15	16QAM	1	74	20.75	20.75	20.71	22	2			
15	16QAM	36	0	19.13	19.25	19.31					
15	16QAM	36	20	19.14	19.10	19.02					
15	16QAM	36	39	19.29	19.29	19.21					
15	16QAM	75	0	19.37	19.40	19.24	21	3			
Channel											
Frequency (MHz)				18650	18900	19150			Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.43	22.46	22.27	24	0			
10	QPSK	1	25	22.14	22.20	22.30					
10	QPSK	1	49	22.35	22.35	22.32					
10	QPSK	25	0	21.27	21.45	21.31					
10	QPSK	25	12	21.12	21.27	21.11	23	1			
10	QPSK	25	25	21.12	21.37	21.30					
10	QPSK	50	0	21.19	21.35	21.25					
10	16QAM	1	0	21.29	21.40	21.25					
10	16QAM	1	25	21.30	21.37	21.21	23	1			
10	16QAM	1	49	21.35	21.42	21.40					
10	16QAM	25	0	20.31	20.42	20.37					
10	16QAM	25	12	20.15	20.29	20.21					
10	16QAM	25	25	20.32	20.40	20.37	22	2			
10	16QAM	50	0	20.39	20.46	20.33					
10	16QAM	1	0	20.65	20.75	20.70					
10	16QAM	1	25	20.68	20.67	20.53					
10	16QAM	1	49	20.79	20.73	20.67	22	2			
10	16QAM	25	0	19.11	19.37	19.25					
10	16QAM	25	12	19.12	19.14	19.06					
10	16QAM	25	25	19.24	19.28	19.17					
10	16QAM	50	0	19.28	19.42	19.32	21	3			
Channel											
Frequency (MHz)				18625	18900	19175			Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.41	22.43	22.25	24	0			
5	QPSK	1	12	22.25	22.36	22.28					
5	QPSK	1	24	22.39	22.39	22.33					
5	QPSK	12	0	21.24	21.39	21.39					
5	QPSK	12	7	21.19	21.31	21.22	23	1			
5	QPSK	12	13	21.14	21.23	21.18					
5	QPSK	25	0	21.32	21.37	21.35					
5	16QAM	1	0	21.34	21.41	21.21					
5	16QAM	1	12	21.32	21.30	21.17	23	1			
5	16QAM	1	24	21.27	21.48	21.32					
5	16QAM	12	0	20.28	20.44	20.37					
5	16QAM	12	7	20.26	20.26	20.26					
5	16QAM	12	13	20.33	20.45	20.35	22	2			
5	16QAM	25	0	20.41	20.46	20.35					
5	16QAM	1	0	20.60	20.81	20.71					
5	16QAM	1	12	20.62	20.68	20.55					
5	16QAM	1	24	20.75	20.72	20.72	22	2			
5	16QAM	12	0	19.16	19.28	19.21					
5	16QAM	12	7	19.14	19.20	19.04					
5	16QAM	12	13	19.23	19.27	19.24					
5	16QAM	25	0	19.33	19.41	19.24	21	3			
Channel											
Frequency (MHz)				18615	18900	19185			Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	22.43	22.46	22.29	24	0			
3	QPSK	1	8	22.11	22.23	22.23					
3	QPSK	1	14	22.38	22.41	22.35					
3	QPSK	8	0	21.24	21.44	21.39					
3	QPSK	8	4	21.03	21.29	21.15	23	1			
3	QPSK	8	7	21.13	21.35	21.18					
3	QPSK	15	0	21.31	21.38	21.29					
3	16QAM	1	0	21.29	21.38	21.25					
3	16QAM	1	8	21.34	21.31	21.17	23	1			
3	16QAM	1	14	21.35	21.49	21.29					
3	16QAM	8	0	20.27	20.43	20.37					
3	16QAM	8	4	20.27	20.28	20.29					
3	16QAM	8	7	20.30	20.34	20.28	22	2			
3	16QAM	15	0	20.40	20.46	20.31					
3	16QAM	1	0	20.58	20.68	20.68					
3	16QAM	1	8	20.63	20.64	20.57					
3	16QAM	1	14	20.66	20.83	20.66	22	2			
3	16QAM	8	0	19.21	19.26	19.18					
3	16QAM	8	4	19.04	19.11	19.10					
3	16QAM	8	7	19.25	19.38	19.23					
3	16QAM	15	0	19.26	19.36	19.34	21	3			
Channel											
Frequency (MHz)				18607	18900	19193			Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.37	22.34	22.24	24	0			
1.4	QPSK	1	3	22.22	22.32	22.30					
1.4	QPSK	1	5	22.34	22.35	22.25					
1.4	QPSK	3	0	22.36	22.42	22.30					
1.4	QPSK	3	1	22.19	22.30	22.21	23	1			
1.4	QPSK	3	3	22.31	22.33	22.22					
1.4	QPSK	6	0	21.22	21.33	21.29					
1.4	16QAM	1	0	21.15	21.33	21.09					
1.4	16QAM	1	3	21.23	21.35	21.31	23	1			
1.4	16QAM	1	5	21.34	21.46	21.36					
1.4	16QAM	3	0	21.24	21.32	21.24					
1.4	16QAM	3	1	21.29	21.29	21.14					
1.4	16QAM	3	3	21.28	21.37	21.33	22	2			
1.4	16QAM	6	0	20.29	20.32	20.38					
1.4	16QAM	1	0	20.20	20.28	20.23					
1.4	16QAM	1	3	20.16	20.28	20.20					
1.4	16QAM	1	5	20.39	20.40	20.36	22	2			
1.4	16QAM	3	0	20.63	20.67	20.68					
1.4	16QAM	3	1	20.53	20.74	20.64					
1.4	16QAM	3	3	20.64	20.85	20.72					
1.4	16QAM	6	0	19.08	19.29	19.16	21	3			

Band 7 Ant 4									
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				20850	21100	21350	24	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.46	22.54	22.37			
20	QPSK	1	49	22.16	22.28	22.16			
20	QPSK	1	99	22.29	22.34	22.27	23	1	
20	QPSK	50	0	21.40	21.52	21.38			
20	QPSK	50	24	21.32	21.46	21.33			
20	QPSK	50	50	21.39	21.47	21.37			
20	QPSK	100	0	21.43	21.54	21.39	23	1	
20	16QAM	1	0	21.34	21.43	21.29			
20	16QAM	1	49	21.46	21.51	21.44			
20	16QAM	1	99	21.46	21.55	21.47			
20	16QAM	50	0	20.45	20.53	20.47	22	2	
20	16QAM	50	24	20.50	20.62	20.55			
20	16QAM	50	50	20.44	20.56	20.45			
20	16QAM	100	0	20.50	20.58	20.46			
20	64QAM	1	0	20.48	20.60	20.49	22	2	
20	64QAM	1	49	20.60	20.69	20.54			
20	64QAM	1	99	20.53	20.65	20.57			
20	64QAM	50	0	19.40	19.46	19.35			
20	64QAM	50	24	19.53	19.59	19.44	21	3	
20	64QAM	50	50	19.49	19.58	19.53			
20	64QAM	100	0	19.57	19.65	19.57			
Channel				20825	21075	21325	24	0	
Frequency (MHz)				2507.5	2532.5	2557.5			
15	QPSK	1	0	22.36	22.41	22.31			
15	QPSK	1	37	22.05	22.19	22.08			
15	QPSK	1	74	22.23	22.19	22.14	23	1	
15	QPSK	36	0	21.27	21.37	21.24			
15	QPSK	36	20	21.21	21.37	21.25			
15	QPSK	36	39	21.27	21.37	21.28			
15	QPSK	75	0	21.33	21.40	21.27	23	1	
15	16QAM	1	0	21.20	21.37	21.20			
15	16QAM	1	37	21.41	21.45	21.26			
15	16QAM	1	74	21.40	21.44	21.40			
15	16QAM	36	0	20.32	20.39	20.39	22	2	
15	16QAM	36	20	20.37	20.55	20.45			
15	16QAM	36	39	20.36	20.43	20.34			
15	16QAM	75	0	20.35	20.48	20.39			
15	64QAM	1	0	20.38	20.53	20.38	22	2	
15	64QAM	1	37	20.54	20.58	20.40			
15	64QAM	1	74	20.44	20.53	20.51			
15	64QAM	36	0	19.29	19.36	19.20			
15	64QAM	36	20	19.41	19.48	19.38	21	3	
15	64QAM	36	39	19.40	19.51	19.42			
15	64QAM	75	0	19.51	19.53	19.44			
Channel				20800	21100	21400	24	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.40	22.43	22.30			
10	QPSK	1	25	22.11	22.16	22.06			
10	QPSK	1	49	22.21	22.23	22.19	23	1	
10	QPSK	25	0	21.27	21.43	21.26			
10	QPSK	25	12	21.26	21.38	21.20			
10	QPSK	25	25	21.27	21.39	21.31			
10	QPSK	50	0	21.33	21.48	21.32	23	1	
10	16QAM	1	0	21.25	21.37	21.18			
10	16QAM	1	25	21.32	21.45	21.28			
10	16QAM	1	49	21.32	21.42	21.35			
10	16QAM	25	0	20.30	20.43	20.33	22	2	
10	16QAM	25	12	20.43	20.53	20.46			
10	16QAM	25	25	20.32	20.46	20.38			
10	16QAM	50	0	20.37	20.45	20.32			
10	64QAM	1	0	20.34	20.54	20.40	22	2	
10	64QAM	1	25	20.47	20.60	20.46			
10	64QAM	1	49	20.39	20.59	20.43			
10	64QAM	25	0	19.29	19.33	19.23			
10	64QAM	25	12	19.42	19.48	19.31	21	3	
10	64QAM	25	25	19.38	19.49	19.44			
10	64QAM	50	0	19.46	19.56	19.50			
Channel				20775	21100	21425	24	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.37	22.46	22.30			
5	QPSK	1	12	22.02	22.23	22.08			
5	QPSK	1	24	22.23	22.24	22.16	23	1	
5	QPSK	12	0	21.31	21.40	21.32			
5	QPSK	12	7	21.22	21.33	21.19			
5	QPSK	12	13	21.34	21.37	21.27			
5	QPSK	25	0	21.32	21.47	21.28	23	1	
5	16QAM	1	0	21.23	21.37	21.17			
5	16QAM	1	12	21.37	21.39	21.25			
5	16QAM	1	24	21.34	21.50	21.35			
5	16QAM	12	0	20.31	20.47	20.42	22	2	
5	16QAM	12	7	20.40	20.50	20.48			
5	16QAM	12	13	20.35	20.48	20.30			
5	16QAM	25	0	20.36	20.47	20.33			
5	64QAM	1	0	20.38	20.48	20.38	22	2	
5	64QAM	1	12	20.52	20.56	20.40			
5	64QAM	1	24	20.44	20.58	20.52			
5	64QAM	12	0	19.32	19.40	19.29			
5	64QAM	12	7	19.39	19.52	19.39	21	3	
5	64QAM	12	13	19.38	19.44	19.44			
5	64QAM	25	0	19.52	19.53	19.43			

Band 12 Ant 4									
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	23095	23130	24	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.79	22.95	22.87			
10	QPSK	1	25	22.54	22.66	22.55			
10	QPSK	1	49	22.71	22.84	22.70	23	1	
10	QPSK	25	0	21.79	21.93	21.83			
10	QPSK	25	12	21.83	21.88	21.73			
10	QPSK	25	25	21.82	21.90	21.76			
10	QPSK	50	0	21.77	21.91	21.76	23	1	
10	16QAM	1	0	21.82	21.88	21.76			
10	16QAM	1	25	21.70	21.76	21.61			
10	16QAM	1	49	21.80	21.91	21.79			
10	16QAM	25	0	20.90	20.98	20.85	22	2	
10	16QAM	25	12	20.88	21.01	20.95			
10	16QAM	25	25	20.82	20.89	20.78			
10	16QAM	50	0	20.91	20.97	20.86			
10	64QAM	1	0	21.30	21.41	21.31	22	2	
10	64QAM	1	25	21.23	21.34	21.25			
10	64QAM	1	49	21.31	21.39	21.27			
10	64QAM	25	0	19.87	19.98	19.87			
10	64QAM	25	12	19.95	20.02	19.87	21	3	
10	64QAM	25	25	19.89	19.99	19.89			
10	64QAM	50	0	19.83	19.94	19.88			
Channel				23035	23095	23155	24	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.64	22.82	22.75			
5	QPSK	1	12	22.39	22.57	22.43			
5	QPSK	1	24	22.64	22.77	22.61	23	1	
5	QPSK	12	0	21.74	21.82	21.70			
5	QPSK	12	7	21.77	21.81	21.60			
5	QPSK	12	13	21.69	21.81	21.64			
5	QPSK	25	0	21.68	21.84	21.69	23	1	
5	16QAM	1	0	21.67	21.78	21.70			
5	16QAM	1	12	21.59	21.66	21.47			
5	16QAM	1	24	21.72	21.83	21.68			
5	16QAM	12	0	20.84	20.83	20.78	22	2	
5	16QAM	12	7	20.78	20.86	20.78			
5	16QAM	12	13	20.72	20.82	20.71			
5	16QAM	25	0	20.82	20.84	20.77			
5	64QAM	1	0	21.16	21.32	21.26	22	2	
5	64QAM	1	12	21.16	21.21	21.12			
5	64QAM	1	24	21.18	21.30	21.13			
5	64QAM	12	0	19.76	19.89	19.74			
5	64QAM	12	7	19.83	19.94	19.78	21	3	
5	64QAM	12	13	19.78	19.88	19.78			
5	64QAM	25	0	19.69	19.80	19.74			
Channel				23025	23095	23165	24	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.73	22.82	22.78			
3	QPSK	1	8	22.42	22.55	22.41			
3	QPSK	1	14	22.58	22.73	22.58	23	1	
3	QPSK	8	0	21.72	21.81	21.75			
3	QPSK	8	4	21.72	21.73	21.64			
3	QPSK	8	7	21.76	21.83	21.65			
3	QPSK	16	0	21.62	21.86	21.69	23	1	
3	16QAM	1	0	21.69	21.80	21.68			
3	16QAM	1	8	21.59	21.62	21.49			
3	16QAM	1	14	21.70	21.85	21.64	22	2	
3	16QAM	8	0	20.81	20.86	20.76			
3	16QAM	8	4	20.78	20.94	20.86			
3	16QAM	8	7	20.67	20.83	20.71			
3	16QAM	15	0	20.82	20.88	20.79	22	2	
3	64QAM	1	0	21.62	21.26	21.21			
3	64QAM	1	8	21.09	21.23	21.11			
3	64QAM	1	14	21.21	21.27	21.19			
3	64QAM	8	0	19.79	19.91	19.76	21	3	
3	64QAM	8	4	19.82	19.89	19.82			
3	64QAM	8	7	19.76	19.87	19.81			
3	64QAM	15	0	19.74	19.87	19.84			
Channel				23017	23095	23173	24	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.66	22.84	22.81			
1.4	QPSK	1	3	22.44	22.53	22.48			
1.4	QPSK	1	5	22.59	22.73	22.57	23	1	
1.4	QPSK	3	1	22.71	22.86	22.81			
1.4	QPSK	3	3	22.60	22.73	22.65			
1.4	QPSK	6	0	21.69	21.82	21.74			
1.4	16QAM	1	0	21.76	21.76	21.58	23	1	
1.4	16QAM	1	3	21.71	21.77	21.64			
1.4	16QAM	1	5	21.69	21.78	21.64			
1.4	16QAM	3	1	21.67	21.81	21.67			
1.4	16QAM	3	1	21.59	21.69	21.53	22	2	
1.4	16QAM	3	3	21.70	21.83	21.73			
1.4	16QAM	6	0	20.82	20.87	20.71			
1.4	64QAM	1	0	20.75	20.96	20.87			
1.4	64QAM	1	3	20.75	20.80	20.67	22	2	
1.4	64QAM	1	5	20.86	20.86	20.72			
1.4	64QAM	3	1	21.22	21.32	21.23			
1.4	64QAM	3	1	21.15	21.27	21.18			
1.4	64QAM	3	3	21.17	21.25	21.19	21	3	
1.4	64QAM	6	0	19.78	19.89	19.78			



Band 38 Ant 4											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. [Freq]	Power Middle Co. [Freq]	Power High Co. [Freq]	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.59	22.46	22.42	24	0			
20	QPSK	1	49	22.22	22.26	22.26					
20	QPSK	1	99	22.29	22.34	22.25					
20	QPSK	50	0	21.22	21.33	21.19					
20	QPSK	50	24	21.15	21.25	21.18	23	1			
20	QPSK	50	50	21.51	21.39	21.18					
20	QPSK	100	0	21.09	21.22	21.16					
20	16QAM	1	0	21.64	21.17	21.11					
20	16QAM	1	49	21.15	21.21	21.09	23	1			
20	16QAM	1	99	21.18	21.23	21.16					
20	16QAM	50	0	20.05	20.16	20.05					
20	16QAM	50	24	20.02	20.12	20.06					
20	16QAM	50	50	20.17	20.25	20.10	22	2			
20	16QAM	100	0	20.01	20.11	20.02					
20	64QAM	1	0	20.67	20.75	20.66					
20	64QAM	1	49	20.59	20.68	20.61					
20	64QAM	1	99	20.69	20.83	20.69	22	2			
20	64QAM	50	0	19.96	19.17	19.03					
20	64QAM	50	24	19.19	19.25	19.19					
20	64QAM	50	50	19.03	19.12	19.07					
20	64QAM	100	0	19.11	19.24	19.18	21	3			
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.57	22.56	26.15	24	0			
15	QPSK	1	37	22.01	22.26	22.24					
15	QPSK	1	74	22.20	22.26	22.10					
15	QPSK	36	0	21.10	21.26	21.10					
15	QPSK	36	20	21.02	21.17	21.12	23	1			
15	QPSK	36	39	21.07	21.17	21.06					
15	QPSK	75	0	21.02	21.10	21.01					
15	16QAM	1	0	21.05	21.17	21.09					
15	16QAM	1	37	21.17	21.22	21.09	23	1			
15	16QAM	1	74	21.14	21.20	21.10					
15	16QAM	36	0	20.04	20.14	20.04					
15	16QAM	36	20	20.04	20.11	20.09					
15	16QAM	36	39	20.19	20.23	20.09	22	2			
15	16QAM	75	0	20.07	20.07	20.00					
15	64QAM	1	0	20.65	20.71	20.63					
15	64QAM	1	37	20.62	20.67	20.61					
15	64QAM	1	74	20.65	20.63	20.65	21	3			
15	64QAM	36	0	19.01	19.14	19.03					
15	64QAM	36	20	19.24	19.27	19.15					
15	64QAM	36	39	19.07	19.16	19.00					
15	64QAM	75	0	19.09	19.25	19.22	21	3			
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.27	22.34	22.28	24	0			
10	QPSK	1	25	22.00	22.20	22.09					
10	QPSK	1	49	22.21	22.28	22.14					
10	QPSK	25	0	21.14	21.19	21.13					
10	QPSK	25	12	21.07	21.17	21.104	23	1			
10	QPSK	25	25	21.01	21.17	21.07					
10	QPSK	50	0	21.04	21.15	21.11					
10	16QAM	1	0	21.01	21.16	21.08					
10	16QAM	1	25	21.12	21.26	21.13	23	1			
10	16QAM	1	49	21.19	21.20	21.11					
10	16QAM	25	0	20.11	20.17	20.03					
10	16QAM	25	12	20.09	20.11	20.10					
10	16QAM	25	25	20.30	20.21	20.10	22	2			
10	16QAM	50	0	20.07	20.08	20.03					
10	64QAM	1	0	20.79	20.80	20.63					
10	64QAM	1	25	20.70	20.72	20.64					
10	64QAM	1	49	20.67	20.86	20.72	22	2			
10	64QAM	25	0	19.02	19.17	19.03					
10	64QAM	25	12	19.20	19.26	19.22					
10	64QAM	25	25	19.01	19.16	19.00					
10	64QAM	50	0	19.08	19.18	19.00	21	3			
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.77	22.75	36.25	24	0			
5	QPSK	1	12	22.05	22.13	22.07					
5	QPSK	1	24	22.16	22.28	22.14					
5	QPSK	12	0	21.16	21.26	21.06					
5	QPSK	12	7	21.04	21.20	21.04	23	1			
5	QPSK	12	13	21.08	21.23	21.05					
5	QPSK	25	0	21.09	21.27	21.17					
5	16QAM	1	0	21.03	21.20	21.11					
5	16QAM	1	12	21.16	21.26	21.12	23	1			
5	16QAM	1	24	21.14	21.26	21.12					
5	16QAM	12	0	20.02	20.16	20.04					
5	16QAM	12	7	20.00	20.08	20.06					
5	16QAM	12	13	20.15	20.22	20.05	22	2			
5	16QAM	25	0	20.02	20.11	20.08					
5	64QAM	1	0	20.65	20.81	20.71					
5	64QAM	1	12	20.62	20.68	20.62					
5	64QAM	1	24	20.67	20.81	20.72	22	2			
5	64QAM	12	0	19.10	19.18	19.02					
5	64QAM	12	7	19.18	19.30	19.15					
5	64QAM	12	13	19.03	19.16	19.10					
5	64QAM	25	0	19.08	19.27	19.19	21	3			

Receiver On Power

GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	125	189	251		125	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	32.35	32.24	32.10	33.50	23.35	23.24	23.10	24.50
GSM 1 Tx slot	32.33	32.21	32.05	33.50	23.33	23.21	23.05	24.50
GPRS 1 Tx slot	30.52	30.32	30.09	31.50	24.52	24.32	24.09	25.50
GPRS 2 Tx slots	29.02	28.83	28.79	30.00	24.76	24.57	24.53	25.74
GPRS 3 Tx slots	27.71	28.01	27.70	29.00	24.71	25.01	24.70	26.00
GPRS 4 Tx slots								

Band		WCDMA V Ant 0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.49	23.54	23.51	25.00
3GPP Rel 99	RMG 12.2Kbps	23.59	23.68	23.53	25.00
3GPP Rel 6	HSDPA Subtest-1	22.69	22.76	22.55	24.00
3GPP Rel 6	HSDPA Subtest-2	22.70	22.80	22.47	24.00
3GPP Rel 6	HSDPA Subtest-3	21.99	22.06	22.13	23.50
3GPP Rel 6	HSDPA Subtest-4	22.06	22.07	22.05	23.50
3GPP Rel 6	HSUPA Subtest-1	22.59	22.72	22.51	24.00
3GPP Rel 6	HSUPA Subtest-2	20.47	20.66	20.52	22.00
3GPP Rel 6	HSUPA Subtest-3	21.63	21.78	21.59	23.00
3GPP Rel 6	HSUPA Subtest-4	20.68	20.64	20.52	22.00
3GPP Rel 6	HSUPA Subtest-5	22.57	22.76	22.62	24.00

Band 5 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.26	22.33	22.20	24	0	
10	QPSK	1	25	22.06	22.31	22.21			
10	QPSK	1	49	22.14	22.13	22.22			
10	QPSK	25	0	21.08	21.15	21.12	23	1	
10	QPSK	25	12	21.04	21.12	21.14			
10	QPSK	25	25	21.08	21.06	21.08			
10	QPSK	50	0	21.11	21.17	21.04	23	1	
10	16QAM	1	0	21.19	21.24	21.09			
10	16QAM	1	25	21.09	21.23	21.30			
10	16QAM	1	49	21.06	21.14	21.11	22	2	
10	16QAM	25	0	20.27	20.23	20.05			
10	16QAM	25	12	20.01	20.30	20.19			
10	16QAM	25	25	20.12	20.12	20.00	22	2	
10	16QAM	50	0	20.12	20.28	20.08			
10	64QAM	1	0	20.01	20.22	20.15			
10	64QAM	1	25	20.10	20.09	20.17	22	2	
10	64QAM	1	49	20.02	20.20	20.19			
10	64QAM	25	0	19.74	19.79	19.73			
10	64QAM	25	12	19.89	19.86	19.76	21	3	
10	64QAM	25	25	19.79	19.92	19.88			
10	64QAM	50	0	19.83	19.82	19.79			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	22.20	22.31	22.12	24	0	
5	QPSK	1	12	22.03	22.23	22.15			
5	QPSK	1	24	22.18	22.04	22.10			
5	QPSK	12	0	21.10	21.07	21.10	23	1	
5	QPSK	12	7	21.14	21.00	21.12			
5	QPSK	12	13	21.11	21.14	21.13			
5	QPSK	25	0	21.10	21.26	21.01	23	1	
5	16QAM	1	0	21.18	21.20	21.14			
5	16QAM	1	12	21.01	21.33	21.25			
5	16QAM	1	24	21.11	21.25	21.03	22	2	
5	16QAM	12	0	20.37	20.13	20.09			
5	16QAM	12	7	20.04	20.29	20.23			
5	16QAM	12	13	20.18	20.18	20.00	22	2	
5	16QAM	25	0	20.13	20.38	20.02			
5	64QAM	1	0	20.07	20.21	20.06			
5	64QAM	1	12	20.14	20.01	20.27	22	2	
5	64QAM	1	24	20.04	20.28	20.09			
5	64QAM	12	0	19.70	19.75	19.62			
5	64QAM	12	7	20.01	19.91	19.88	21	3	
5	64QAM	12	13	19.77	19.89	19.79			
5	64QAM	25	0	19.81	19.92	19.90			
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	22.25	22.23	22.14	24	0	
3	QPSK	1	8	22.14	22.05	22.10			
3	QPSK	1	14	22.20	22.13	22.16			
3	QPSK	8	0	21.15	21.07	21.21	23	1	
3	QPSK	8	4	21.11	21.12	21.03			
3	QPSK	8	7	21.04	21.18	21.03			
3	QPSK	15	0	21.12	21.10	21.13	23	1	
3	16QAM	1	0	21.17	21.23	21.00			
3	16QAM	1	8	21.06	21.20	21.26			
3	16QAM	1	14	21.12	21.03	21.19	22	2	
3	16QAM	8	0	20.33	20.27	20.00			
3	16QAM	8	4	20.15	20.33	20.15			
3	16QAM	8	7	20.22	20.19	20.03	22	2	
3	16QAM	15	0	20.14	20.17	20.14			
3	64QAM	1	0	20.08	20.19	20.06			
3	64QAM	1	8	20.08	20.12	20.25	22	2	
3	64QAM	1	14	20.13	20.23	20.09			
3	64QAM	8	0	19.73	19.85	19.67			
3	64QAM	8	4	19.84	19.93	19.77	21	3	
3	64QAM	8	7	19.71	19.91	19.85			
3	64QAM	15	0	19.94	19.77	19.78			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.24	22.11	22.17	24	0	
1.4	QPSK	1	3	22.01	22.11	22.19			
1.4	QPSK	1	5	22.20	22.15	22.25			
1.4	QPSK	3	0	22.14	22.31	22.17	23	1	
1.4	QPSK	3	1	22.12	22.25	22.16			
1.4	QPSK	3	3	22.19	22.12	22.28			
1.4	QPSK	6	0	21.21	21.05	21.03	23	1	
1.4	16QAM	1	0	21.25	21.28	21.03			
1.4	16QAM	1	3	21.05	21.31	21.29			
1.4	16QAM	1	5	21.02	21.14	21.07	23	1	
1.4	16QAM	3	0	21.13	21.15	21.11			
1.4	16QAM	3	1	21.26	21.33	21.08			
1.4	16QAM	3	3	21.11	21.12	21.20	22	2	
1.4	16QAM	6	0	20.15	20.31	20.14			
1.4	64QAM	1	0	20.13	20.23	20.15			
1.4	64QAM	1	3	20.13	20.17	20.07	22	2	
1.4	64QAM	1	5	20.26	20.10	20.23			
1.4	64QAM	3	0	20.01	20.36	20.00			
1.4	64QAM	3	1	20.00	20.21	20.07	22	2	
1.4	64QAM	3	3	20.14	20.18	20.18			
1.4	64QAM	6	0	19.82	19.74	19.73			
							21	3	

Band 12 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.29	22.44	22.39	24	0	
10	QPSK	1	25	22.33	22.38	22.36			
10	QPSK	1	49	22.21	22.42	22.35			
10	QPSK	25	0	21.24	21.25	21.22	23	1	
10	QPSK	25	12	21.20	21.19	21.23			
10	QPSK	25	25	21.20	21.18	21.20			
10	QPSK	50	0	21.28	21.31	21.30	23	1	
10	16QAM	1	0	21.37	21.21	21.29			
10	16QAM	1	25	21.19	21.27	21.29			
10	16QAM	1	49	21.33	21.33	21.26	22	2	
10	16QAM	25	0	20.24	20.22	20.13			
10	16QAM	25	12	20.11	20.11	20.13			
10	16QAM	25	25	20.08	20.07	20.23	22	2	
10	16QAM	50	0	20.10	20.26	20.09			
10	64QAM	1	0	20.14	20.22	20.17			
10	64QAM	1	25	20.05	20.25	20.14	22	2	
10	64QAM	1	49	20.13	20.08	20.13			
10	64QAM	25	0	19.19	19.16	19.34			
10	64QAM	25	12	19.35	19.18	19.26	21	3	
10	64QAM	25	25	19.14	19.15	19.18			
10	64QAM	50	0	19.25	19.15	19.26			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.22	22.23	22.23	24	0	
5	QPSK	1	12	22.34	22.18	22.29			
5	QPSK	1	24	22.19	22.42	22.14			
5	QPSK	12	0	21.13	21.03	21.09	23	1	
5	QPSK	12	7	21.21	21.11	21.09			
5	QPSK	12	13	21.11	21.08	21.06			
5	QPSK	25	0	21.25	21.14	21.11	23	1	
5	16QAM	1	0	21.30	21.08	21.20			
5	16QAM	1	12	21.17	21.09	21.13			
5	16QAM	1	24	21.17	21.25	21.23	22	2	
5	16QAM	12	0	20.22	20.07	20.02			
5	16QAM	12	7	20.05	20.15	20.01			
5	16QAM	12	13	20.17	20.16	20.16	22	2	
5	16QAM	25	0	20.04	20.09	20.08			
5	64QAM	1	0	20.05	20.09	20.12			
5	64QAM	1	12	20.06	20.17	20.11	22	2	
5	64QAM	1	24	20.06	20.22	20.03			
5	64QAM	12	0	19.13	19.12	19.15			
5	64QAM	12	7	19.23	19.13	19.07	21	3	
5	64QAM	12	13	19.08	19.05	19.05			
5	64QAM	25	0	19.07	19.14	19.11			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.31	22.37	22.36	24	0	
3	QPSK	1	8	22.13	22.25	22.17			
3	QPSK	1	14	22.20	22.29	22.29			
3	QPSK	8	0	21.06	21.18	21.15	23	1	
3	QPSK	8	4	21.01	21.21	21.01			
3	QPSK	8	7	21.15	21.01	21.11			
3	QPSK	15	0	21.08	21.28	21.24	23	1	
3	16QAM	1	0	21.24	21.00	21.08			
3	16QAM	1	8	21.15	21.06	21.11			
3	16QAM	1	14	21.13	21.34	21.09	22	2	
3	16QAM	8	0	20.16	20.13	20.24			
3	16QAM	8	4	20.01	20.09	20.02			
3	16QAM	8	7	20.21	20.18	20.13	22	2	
3	16QAM	15	0	20.11	20.01	20.12			
3	64QAM	1	0	20.04	20.08	20.02			
3	64QAM	1	8	20.00	20.16	20.08	22	2	
3	64QAM	1	14	20.07	20.04	20.20			
3	64QAM	8	0	19.15	19.03	19.33			
3	64QAM	8	4	19.33	19.14	19.24	21	3	
3	64QAM	8	7	19.10	19.15	19.16			
3	64QAM	15	0	19.18	19.16	19.10			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.17	22.30	22.35	24	0	
1.4	QPSK	1	3	22.19	22.17	22.37			
1.4	QPSK	1	5	22.12	22.36	22.14			
1.4	QPSK	3	0	22.08	22.23	22.37	23	1	
1.4	QPSK	3	1	22.23	22.43	22.36			
1.4	QPSK	3	3	22.21	22.23	22.26			
1.4	QPSK	6	0	21.08	21.23	21.11	23	1	
1.4	16QAM	1	0	21.38	21.02	21.17			
1.4	16QAM	1	3	21.11	21.26	21.25			
1.4	16QAM	1	5	21.32	21.34	21.23	22	2	
1.4	16QAM	3	0	21.20	21.18	21.18			
1.4	16QAM	3	1	21.08	21.06	21.27			
1.4	16QAM	3	3	21.19	21.20	21.24	22	2	
1.4	16QAM	6	0	20.16	20.22	20.15			
1.4	64QAM	1	0	20.16	20.18	20.13			
1.4	64QAM	1	3	20.04	20.00	20.10	22	2	
1.4	64QAM	1	5	20.12	20.08	20.15			
1.4	64QAM	3	0	20.16	20.14	20.12			
1.4	64QAM	3	1	20.02	20.12	20.22	21	3	
1.4	64QAM	3	3	20.23	20.07	20.04			
1.4	64QAM	6	0	19.27	19.19	19.05			

GSM1900 Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	28.83	28.33	28.35	29.50	19.83	19.33	19.35	20.50
GSM 1 Tx slot	28.81	28.31	28.34	29.50	19.81	19.31	19.34	20.50
GPRS 2 Tx slots	26.82	26.44	26.51	27.50	20.82	20.44	20.51	21.50
GPRS 3 Tx slots	25.41	25.43	25.16	26.50	21.15	21.17	20.90	22.24
GPRS 4 Tx slots	23.63	23.22	23.16	24.50	20.63	20.22	20.16	21.50

Band 2 Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.37	22.43	22.33	24	0				
20	QPSK	1	49	22.36	22.29	22.32						
20	QPSK	1	99	22.38	22.37	22.20						
20	QPSK	50	0	21.15	21.33	21.14						
20	QPSK	50	24	21.21	21.17	21.20	23	1				
20	QPSK	50	50	21.29	21.26	21.16						
20	QPSK	100	0	21.21	21.40	21.26						
20	16QAM	1	0	21.31	21.22	21.37						
20	16QAM	1	49	21.25	21.19	21.29	23	1				
20	16QAM	1	99	21.27	21.21	21.32						
20	16QAM	50	0	20.38	20.33	20.22						
20	16QAM	50	24	20.34	20.23	20.34						
20	16QAM	50	50	20.24	20.22	20.31	22	2				
20	16QAM	100	0	20.21	20.20	20.32						
20	64QAM	1	0	20.24	20.43	20.23						
20	64QAM	1	49	20.31	20.29	20.29						
20	64QAM	1	99	20.20	20.37	20.23	22	2				
20	64QAM	50	0	20.40	20.43	20.24						
20	64QAM	50	24	20.36	20.33	20.19						
20	64QAM	50	50	20.36	20.40	20.36						
20	64QAM	100	0	20.40	20.26	20.32	22	2				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.31	22.25	22.23	24	0				
15	QPSK	1	37	22.15	22.24	22.20						
15	QPSK	1	74	22.21	22.41	22.17						
15	QPSK	36	0	21.17	21.31	21.00						
15	QPSK	36	20	21.25	21.05	21.13	23	1				
15	QPSK	36	39	21.07	21.31	21.24						
15	QPSK	75	0	21.10	21.27	21.13						
15	16QAM	1	0	21.26	21.01	21.28						
15	16QAM	1	37	21.26	21.15	21.25	23	1				
15	16QAM	1	74	21.29	21.14	21.15						
15	16QAM	36	0	20.33	20.23	20.00						
15	16QAM	36	20	20.32	20.20	20.38						
15	16QAM	36	39	20.04	20.18	20.13	22	2				
15	16QAM	75	0	20.21	20.11	20.30						
15	64QAM	1	0	20.13	20.37	20.18						
15	64QAM	1	37	20.15	20.31	20.18						
15	64QAM	1	74	20.12	20.36	20.12	22	2				
15	64QAM	36	0	20.25	20.43	20.18						
15	64QAM	36	20	20.23	20.15	20.15						
15	64QAM	36	39	20.27	20.28	20.38						
15	64QAM	75	0	20.29	20.21	20.18	22	2				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.26	22.27	22.28	24	0				
10	QPSK	1	25	22.20	22.16	22.18						
10	QPSK	1	49	22.34	22.25	22.03						
10	QPSK	25	0	21.16	21.14	21.02						
10	QPSK	25	12	21.14	21.36	21.21	23	1				
10	QPSK	25	25	21.25	21.08	21.04						
10	QPSK	50	0	21.06	21.27	21.17						
10	16QAM	1	0	21.13	21.17	21.29						
10	16QAM	1	25	21.17	21.07	21.27	23	1				
10	16QAM	1	49	21.18	21.17	21.22						
10	16QAM	25	0	20.24	20.12	20.24						
10	16QAM	25	12	20.24	20.04	20.25						
10	16QAM	25	25	20.18	20.18	20.23	22	2				
10	16QAM	50	0	20.03	20.15	20.19						
10	64QAM	1	0	20.15	20.24	20.22						
10	64QAM	1	25	20.31	20.07	20.13						
10	64QAM	1	49	20.00	20.27	20.16	22	2				
10	64QAM	25	0	20.32	20.27	20.15						
10	64QAM	25	12	20.20	20.35	20.14						
10	64QAM	25	25	20.25	20.19	20.27						
10	64QAM	50	0	20.33	20.25	20.17	22	2				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.36	22.41	22.07.5	24	0				
5	QPSK	1	12	22.19	22.20	22.22						
5	QPSK	1	24	22.24	22.25	22.16						
5	QPSK	12	0	21.02	21.19	21.06						
5	QPSK	12	7	21.08	21.08	21.13	23	1				
5	QPSK	12	13	21.20	21.07	21.12						
5	QPSK	25	0	21.13	21.28	21.25						
5	16QAM	1	0	21.15	21.02	21.17						
5	16QAM	1	12	21.09	21.15	21.11	23	1				
5	16QAM	1	24	21.09	21.11	21.15						
5	16QAM	12	0	20.19	20.29	20.07						
5	16QAM	12	7	20.30	20.24	20.32						
5	16QAM	12	13	20.11	20.13	20.19	22	2				
5	16QAM	25	0	20.24	20.44	20.12						
5	64QAM	1	0	20.21	20.14	20.24						
5	64QAM	1	12	20.00	20.29	20.24						
5	64QAM	1	24	20.12	20.16	20.19	22	2				
5	64QAM	12	0	20.24	20.36	20.07						
5	64QAM	12	7	20.38	20.21	20.04						
5	64QAM	12	13	20.38	20.31	20.30						
5	64QAM	25	0	20.30	20.11	20.22	22	2				
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.17	22.23	22.33	24	0				
3	QPSK	1	8	22.33	22.21	22.22						
3	QPSK	1	14	22.20	22.23	22.19						
3	QPSK	8	0	21.17	21.27	21.07						
3	QPSK	8	4	21.15	21.03	21.15	23	1				
3	QPSK	8	7	21.15	21.18	21.15						
3	QPSK	15	0	21.16	21.37	21.27						
3	16QAM	1	0	21.25	21.12	21.34						
3	16QAM	1	8	21.16	21.09	21.29	23	1				
3	16QAM	1	14	21.06	21.14	21.19						
3	16QAM	8	0	20.21	20.33	20.03						
3	16QAM	8	4	20.15	20.23	20.35						
3	16QAM	8	7	20.21	20.21	20.16	22	2				
3	16QAM	15	0	20.22	20.21	20.29						
3	64QAM	1	0	20.03	20.24	20.22						
3	64QAM	1	8	20.12	20.08	20.15						
3	64QAM	1	14	20.13	20.33	20.12	22	2				
3	64QAM	8	0	20.24	20.17	20.30						
3	64QAM	8	4	20.16	20.28	20.17						
3	64QAM	8	7	20.33	20.33	20.26						
3	64QAM	15	0	20.25	20.27	20.17	22	2				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.18	22.40	22.24	24	0				
1.4	QPSK	1	3	22.37	22.08	22.24						
1.4	QPSK	1	5	22.36	22.40	22.02						
1.4	QPSK	3	0	22.25	22.30	22.19						
1.4	QPSK	3	1	22.28	22.13	22.16	23	1				
1.4	QPSK	3	3	22.20	22.41	22.13						
1.4	QPSK	6	0	21.21	21.27	21.14						
1.4	16QAM	1	0	21.13	21.06	21.13						
1.4	16QAM	1	3	21.10	21.00	21.29	23	1				
1.4	16QAM	1	5	21.19	21.00	21.34						
1.4	16QAM	3	0	21.10	21.32	21.10						
1.4	16QAM	3	1	21.32	21.20	21.16						
1.4	16QAM	3	3	21.26	21.03	21.19	22	2				
1.4	16QAM	6	0	20.05	20.02	20.33						
1.4	64QAM	1	0	20.13	20.36	20.06						
1.4	64QAM	1	3	20.31	20.12	20.33						
1.4	64QAM	1	5	20.18	20.45	20.18	22	2				
1.4	64QAM	3	0	20.31	20.45	20.26						
1.4	64QAM	3	1	20.20	20.25	20.01						
1.4	64QAM	3	3	20.36	20.37	20.29						
1.4	64QAM	6	0	20.32	20.12	20.25	22	2				

Band 38 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.59	22.54	22.51	24	0		
20	QPSK	1	49	22.59	22.52	22.44				
20	QPSK	1	99	22.19	22.50	22.39				
20	QPSK	50	0	21.59	21.54	21.43				
20	QPSK	50	24	21.43	21.52	21.48	23	1		
20	QPSK	50	50	21.45	21.61	21.53				
20	QPSK	100	0	21.47	21.54	21.45				
20	16QAM	1	0	21.50	21.54	21.61				
20	16QAM	1	49	21.58	21.59	21.41	23	1		
20	16QAM	1	99	21.45	21.60	21.41				
20	16QAM	50	0	20.54	20.54	20.55				
20	16QAM	50	24	20.54	20.52	20.48				
20	16QAM	50	50	20.53	20.53	20.58	22	2		
20	16QAM	100	0	20.48	20.49	20.40				
20	64QAM	1	0	20.59	20.43	20.56				
20	64QAM	1	49	20.54	20.52	20.50				
20	64QAM	1	99	20.48	20.50	20.48	21	3		
20	64QAM	50	0	20.59	20.43	20.57				
20	64QAM	50	24	20.47	20.43	20.44				
20	64QAM	50	50	20.50	20.52	20.39				
20	64QAM	100	0	20.57	20.43	20.54	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.34	22.46	22.44	24	0		
15	QPSK	1	37	22.60	22.29	22.27				
15	QPSK	1	74	22.14	22.31	22.18				
15	QPSK	36	0	21.38	21.49	21.25				
15	QPSK	36	20	21.29	21.34	21.26	23	1		
15	QPSK	36	36	21.33	21.52	21.48				
15	QPSK	75	0	21.39	21.50	21.28				
15	16QAM	1	0	21.42	21.34	21.61				
15	16QAM	1	37	21.51	21.59	21.41	23	1		
15	16QAM	1	74	21.43	21.56	21.25				
15	16QAM	36	0	20.37	20.53	20.56				
15	16QAM	36	20	20.44	20.38	20.29				
15	16QAM	36	39	20.55	20.33	20.36	22	2		
15	16QAM	75	0	20.30	20.39	20.42				
15	64QAM	1	0	20.60	20.29	20.43				
15	64QAM	1	37	20.41	20.52	20.37				
15	64QAM	1	74	20.31	20.48	20.37	21	3		
15	64QAM	36	0	20.50	20.43	20.42				
15	64QAM	36	20	20.34	20.44	20.30				
15	64QAM	36	39	20.40	20.40	20.27				
15	64QAM	75	0	20.43	20.26	20.48	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.26	22.41	22.40	24	0		
10	QPSK	1	25	22.04	22.22	22.27				
10	QPSK	1	49	22.12	22.33	22.28				
10	QPSK	25	0	21.90	21.60	21.33				
10	QPSK	25	12	21.22	21.35	21.29	23	1		
10	QPSK	25	25	21.36	21.57	21.31				
10	QPSK	50	0	21.40	21.39	21.25				
10	16QAM	1	0	21.37	21.51	21.54				
10	16QAM	1	25	21.40	21.57	21.39	23	1		
10	16QAM	1	49	21.49	21.54	21.30				
10	16QAM	25	0	20.42	20.47	20.44				
10	16QAM	25	12	20.53	20.42	20.49				
10	16QAM	25	25	20.59	20.44	20.49	22	2		
10	16QAM	50	0	20.43	20.32	20.39				
10	64QAM	1	0	20.46	20.24	20.57				
10	64QAM	1	25	20.42	20.40	20.35				
10	64QAM	1	49	20.36	20.56	20.49	22	2		
10	64QAM	25	0	20.55	20.25	20.55				
10	64QAM	25	12	20.40	20.40	20.37				
10	64QAM	25	25	20.43	20.37	20.31				
10	64QAM	50	0	20.39	20.28	20.32	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.29	22.36	22.33	24	0		
5	QPSK	1	12	22.18	22.22	22.27				
5	QPSK	1	24	22.14	22.35	22.32				
5	QPSK	12	0	21.47	21.53	21.32				
5	QPSK	12	7	21.28	21.43	21.40	23	1		
5	QPSK	12	13	21.25	21.48	21.39				
5	QPSK	25	0	21.40	21.44	21.45				
5	16QAM	1	0	21.49	21.44	21.63				
5	16QAM	1	12	21.45	21.60	21.39	23	1		
5	16QAM	1	24	21.47	21.46	21.36				
5	16QAM	12	0	20.36	20.50	20.36				
5	16QAM	12	7	20.34	20.48	20.46				
5	16QAM	12	13	20.34	20.32	20.45	22	2		
5	16QAM	25	0	20.29	20.37	20.36				
5	64QAM	1	0	20.53	20.35	20.48				
5	64QAM	1	12	20.33	20.36	20.35				
5	64QAM	1	24	20.26	20.60	20.28	22	2		
5	64QAM	12	0	20.47	20.26	20.51				
5	64QAM	12	7	20.46	20.27	20.35				
5	64QAM	12	13	20.36	20.40	20.40				
5	64QAM	25	0	20.37	20.40	20.52	21	3		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. [Ch / Freq]	Power Low Middle Co. [Ch / Freq]	Power Middle Co. [Ch / Freq]	Power High Middle Co. [Ch / Freq]	Power High Co. [Ch / Freq]	Tune-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.51	22.43	22.65	22.42	22.55	24	0		
20	QPSK	1	49	22.35	22.20	22.45	22.28	22.41				
20	QPSK	1	99	22.32	22.20	22.48	22.33	22.40				
20	QPSK	50	0	21.37	21.58	21.59	21.46	21.48				
20	QPSK	50	24	21.51	21.53	21.51	21.56	21.51	23	1		
20	QPSK	50	50	21.55	21.54	21.57	21.56	21.54				
20	QPSK	100	0	21.49	21.53	21.56	21.38	21.46				
20	16QAM	1	0	21.51	21.58	21.40	21.47	21.47				
20	16QAM	1	49	21.51	21.52	21.58	21.38	21.58	23	1		
20	16QAM	1	99	21.58	21.55	21.40	21.42	21.61				
20	16QAM	50	0	20.57	20.57	20.50	20.45	20.44				
20	16QAM	50	24	20.52	20.41	20.39	20.47	20.58				
20	16QAM	50	50	20.39	20.41	20.39	20.49	20.40	22	2		
20	16QAM	100	0	20.47	20.50	20.38	20.50	20.48				
20	64QAM	1	0	20.57	20.45	20.49	20.62	20.44				
20	64QAM	1	49	20.56	20.51	20.57	20.51	20.57				
20	64QAM	1	99	20.56	20.59	20.40	20.45	20.54	22	2		
20	64QAM	50	0	19.55	19.50	19.44	19.40	19.54				
20	64QAM	50	24	19.50	19.53	19.48	19.48	19.48				
20	64QAM	50	50	19.38	19.41	19.47	19.45	19.54				
20	64QAM	100	0	19.38	19.38	19.49	19.55	19.48	Tune-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.50	22.23	22.47	22.23	22.55	24	0		
15	QPSK	1	37	22.28	22.18	22.35	22.27	22.21				
15	QPSK	1	74	22.19	22.19	22.26	22.23	22.21				
15	QPSK	36	0	21.23	21.43	21.43	21.31	21.45				
15	QPSK	36	20	21.45	21.42	21.37	21.40	21.50	23	1		
15	64QAM	1	0	21.39	21.56	21.44	21.46	21.42				
15	QPSK	75	0	21.48	21.39	21.45	21.33	21.32				
15	16QAM	1	0	21.43	21.50	21.29	21.29	21.42				
15	16QAM	1	37	21.35	21.45	21.49	21.39	21.50	23	1		
15	16QAM	1	74	21.46	21.53	21.23	21.31	21.41				
15	16QAM	36	0	20.55	20.52	20.37	20.28	20.44				
15	16QAM	36	20	20.41	20.39	20.34	20.34	20.41				
15	16QAM	36	39	20.29	20.38	20.29	20.41	20.31	22	2		
15	16QAM	75	0	20.28	20.46	20.38	20.44	20.29				
15	64QAM	1	0	20.41	20.26	20.49	20.46	20.28				
15	64QAM	1	37	20.35	20.47	20.56	20.31	20.46	22	2		
15	64QAM	1	74	20.35	20.48	20.18	20.38	20.47				
15	64QAM	36	0	19.35	19.34	19.37	19.41	19.38				
15	64QAM	36	20	19.32	19.40	19.43	19.44	19.44	21	3		
15	64QAM	36	39	19.35	19.40	19.35	19.26	19.31				
15	64QAM	75	0	19.35	19.16	19.48	19.36	19.45				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.50	22.23	22.47	22.23	22.55	24	0		
15	QPSK	1	37	22.28	22.18	22.35	22.27	22.21				
15	QPSK	1	74	22.19	22.19	22.26	22.23	22.21				
15	QPSK	36	0	21.23	21.43	21.43	21.31	21.45				
15	QPSK	36	20	21.45	21.42	21.37	21.40	21.50	23	1		
15	64QAM	1	0	21.39	21.56	21.44	21.46	21.42				
15	QPSK	75	0	21.48	21.39	21.45	21.33	21.32				
15	16QAM	1	0	21.50	21.35	21.37	21.23	21.44				
15	16QAM	1	37	21.50	21.40	21.32	21.48	21.29	23	1		
15	16QAM	1	74	21.33	21.33	21.44	21.44	21.35				
15	16QAM	36	0	20.52	20.58	20.39	20.30	20.33				
15	16QAM	36	20	20.48	20.48	20.37	20.42	20.52				
15	16QAM	25	25	20.31	20.30	20.20	20.30	20.22	22	2		
15	16QAM	50	0	20.28	20.45	20.21	20.41	20.42				
15	16QAM	50	24	20.29	20.39	20.38	20.38	20.44				
15	16QAM	50	49	20.58	20.49	20.40	20.36	20.51				
15	16QAM	1	49	20.57	20.53	20.37	20.37	20.56	22	2		
15	16QAM	1	99	20.48	20.48	20.36	20.36	20.53				
15	16QAM	25	12	19.44	19.35	19.42	19.27	19.31				
15	16QAM	25	18	19.19	19.20	19.30	19.25	19.30				
15	16QAM	50	0	19.39	19.30	19.42	19.51	19.26	Tune-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.49	22.48	22.68	22.37	22.48	24	0		
5	QPSK	1	24	22.23	22.21	22.52	22.27	22.39				
5	QPSK	12	0	21.24	21.52	21.55	21.30	21.48				
5	QPSK	12	7	21.38	21.42	21.37	21.42	21.42				
5	QPSK	12	13	21.50	21.42	21.41	21.38	21.42	23	1		
5	QPSK	25	0	21.36	21.39	21.42	21.26	21.29				
5	16QAM	1	0	21.48	21.38	21.38	21.32	21.37				
5	16QAM	12	1	21.35	21.46	21.42	21.36	21.50				
5	16QAM	1	24	21.38	21.36	21.39	21.29	21.47	23	1		
5	16QAM	12	0	20.43	20.30	20.31	20.27	20.37				
5	16QAM	12	7	20.35	20.30	20.38	20.41	20.46				
5	16QAM	12	13	20.18	20.36	20.35	20.32	20.32				
5	16QAM	25	0	20.52	20.47	20.47	20.47	20.52	22	2		
5	16QAM	25	0	20.59	20.42	20.41	20.47	20.51				
5	64QAM	1	12	20.45	20.30	20.37	20.47	20.45				
5	64QAM	1	24	20.44	20.30	20.36	20.46	20.45				
5	64QAM	12	0	19.35	19.29	19.29	19.30	19.39	21	3		
5	64QAM	12	7	19.35	19.37	19.46	19.36	19.37				
5	64QAM	12	13	19.36	19.26	19.30	19.32	19.46				
5	64QAM	25	0	19.23	19.31	19.42	19.31	19.46				

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.11	20.14	20.06			
20	QPSK	1	49	19.98	20.04	19.97	21.5	0	
20	QPSK	1	99	19.92	20.05	20.00			
20	QPSK	50	0	20.02	20.10	19.97			
20	QPSK	50	24	19.99	20.04	19.90	21.5	0	
20	QPSK	50	50	19.90	19.95	19.93			
20	QPSK	100	0	19.90	19.99	19.88			
20	16QAM	1	0	20.02	20.07	20.09	21.5	0	
20	16QAM	1	49	20.04	19.98	20.05			
20	16QAM	1	99	19.94	19.99	19.99			
20	16QAM	50	0	20.10	19.94	19.94	21.5	0	
20	16QAM	50	24	19.97	20.06	20.01			
20	16QAM	50	50	19.97	19.94	19.99			
20	16QAM	100	0	20.01	20.07	20.13	21.5	0	
20	64QAM	1	0	19.97	20.06	20.07			
20	64QAM	1	49	19.94	19.97	19.86			
20	64QAM	1	99	20.04	20.02	19.93	21.5	0	
20	64QAM	50	0	19.97	20.02	20.07			
20	64QAM	50	24	19.98	20.05	19.98			
20	64QAM	50	50	19.94	20.02	19.91	21.5	0	
20	64QAM	100	0	20.11	20.04	19.89			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.01	20.07	19.97			
15	QPSK	1	37	19.93	19.97	19.89	21.5	0	
15	QPSK	1	74	19.84	19.92	19.90			
15	QPSK	36	0	19.88	20.02	19.84			
15	QPSK	36	20	19.88	19.90	19.77	21.5	0	
15	QPSK	36	39	19.80	19.89	19.85			
15	QPSK	75	0	19.75	19.92	19.83			
15	16QAM	1	0	19.93	19.93	20.04	21.5	0	
15	16QAM	1	37	19.91	19.83	19.94			
15	16QAM	1	74	19.88	19.90	19.90			
15	16QAM	36	0	19.96	19.88	19.89	21.5	0	
15	16QAM	36	20	19.91	20.00	19.89			
15	16QAM	36	39	19.90	19.86	19.89			
15	16QAM	75	0	19.90	19.98	19.98	21.5	0	
15	64QAM	1	0	19.82	19.95	19.95			
15	64QAM	1	37	19.83	19.91	19.80			
15	64QAM	1	74	19.97	19.95	19.86	21.5	0	
15	64QAM	36	0	19.92	19.96	19.93			
15	64QAM	36	20	19.86	19.96	19.84			
15	64QAM	36	39	19.88	19.94	19.84	21.5	0	
15	64QAM	75	0	20.01	19.89	19.79			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.02	20.00	20.01			
10	QPSK	1	25	19.89	19.94	19.83	21.5	0	
10	QPSK	1	49	19.77	19.96	19.87			
10	QPSK	25	0	19.94	19.96	19.85			
10	QPSK	25	12	19.93	19.96	19.75	21.5	0	
10	QPSK	25	25	19.80	19.85	19.84			
10	QPSK	50	0	19.79	19.92	19.76			
10	16QAM	1	0	19.92	19.97	20.01	21.5	0	
10	16QAM	1	25	19.93	19.88	19.99			
10	16QAM	1	49	19.88	19.89	19.91			
10	16QAM	25	0	20.01	19.87	19.88	21.5	0	
10	16QAM	25	12	19.82	19.96	19.92			
10	16QAM	25	25	19.82	19.84	19.88			
10	16QAM	50	0	19.88	20.01	19.99	21.5	0	
10	64QAM	1	0	19.82	20.01	19.93			
10	64QAM	1	25	19.88	19.85	19.80			
10	64QAM	1	49	19.91	19.94	19.81	21.5	0	
10	64QAM	25	0	19.85	19.97	19.96			
10	64QAM	25	12	19.93	19.96	19.83			
10	64QAM	25	25	19.80	19.94	19.85	21.5	0	
10	64QAM	50	0	20.01	19.98	19.81			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.00	19.99	20.01			
5	QPSK	1	12	19.83	19.96	19.83	21.5	0	
5	QPSK	1	24	19.86	19.94	19.85			
5	QPSK	12	0	19.95	20.00	19.83			
5	QPSK	12	7	19.93	19.96	19.84	21.5	0	
5	QPSK	12	13	19.83	19.84	19.88			
5	QPSK	25	0	19.84	19.84	19.75			
5	16QAM	1	0	19.97	19.96	19.95	21.5	0	
5	16QAM	1	12	19.92	19.87	19.96			
5	16QAM	1	24	19.85	19.85	19.85			
5	16QAM	12	0	20.03	19.85	19.82	21.5	0	
5	16QAM	12	7	19.86	19.99	19.90			
5	16QAM	12	13	19.88	19.80	19.85			
5	16QAM	25	0	19.88	19.93	20.01	21.5	0	
5	64QAM	1	0	19.89	19.97	19.96			
5	64QAM	1	12	19.82	19.83	19.77			
5	64QAM	1	24	19.92	19.88	19.82	21.5	0	
5	64QAM	12	0	19.84	19.91	19.92			
5	64QAM	12	7	19.87	19.98	19.86			
5	64QAM	12	13	19.88	19.90	19.81	21.5	0	
5	64QAM	25	0	20.02	19.90	19.77			

GSM850 Ant 4		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		125	189	251		125	189	251	
Frequency (MHz)		824.2	836.4	848.8	Tune-up Limit (dBm)	824.2	836.4	848.8	Tune-up Limit (dBm)
GSM 1 Tx slot		29.54	29.25	29.20		19.54	29.50	20.20	
GPRS 1 Tx slot		29.50	29.20	29.14	30.50	19.50	29.50	20.14	21.50
GPRS 2 Tx slots		27.51	27.14	27.08	28.50	20.51	27.50	21.08	22.50
GPRS 3 Tx slots		25.91	25.48	25.55	27.00	20.65	26.00	21.29	22.74
GPRS 4 Tx slots		24.86	24.89	24.75	26.00	20.86	25.00	21.75	23.00

GSM1900 Ant 4		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	1880	1909.8	Tune-up Limit (dBm)	1850.2	1880	1909.8	Tune-up Limit (dBm)
GSM 1 Tx slot		24.99	24.70	24.91		15.99	15.70	15.91	
GPRS 1 Tx slot		24.98	24.66	24.88	26.00	15.98	15.66	15.88	17.00
GPRS 2 Tx slots		22.94	22.59	22.67	24.00	16.94	16.59	16.67	18.00
GPRS 3 Tx slots		21.52	21.57	21.49	23.00	17.26	17.31	17.23	18.74
GPRS 4 Tx slots		19.48	19.41	19.31	21.00	16.48	16.41	16.31	18.00

Band		WCDMA V Ant 4			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	19.67	19.83	19.79	21.50
3GPP Rel 99	RMC 12.2Kbps	19.85	19.87	19.75	21.50
3GPP Rel 6	HSDPA Subtest-1	18.80	18.86	18.93	20.50
3GPP Rel 6	HSDPA Subtest-2	18.91	18.88	18.86	20.50
3GPP Rel 6	HSDPA Subtest-3	18.40	18.43	18.21	20.00
3GPP Rel 6	HSDPA Subtest-4	18.39	18.39	18.37	20.00
3GPP Rel 6	HSUPA Subtest-1	18.92	18.84	18.91	20.50
3GPP Rel 6	HSUPA Subtest-2	16.83	16.75	16.89	18.50
3GPP Rel 6	HSUPA Subtest-3	17.80	17.71	17.88	19.50
3GPP Rel 6	HSUPA Subtest-4	16.66	16.95	16.70	18.50
3GPP Rel 6	HSUPA Subtest-5	18.58	18.72	18.81	20.50

Band 2 Ant 4										
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				18700	18900	19100				
Frequency (MHz)				18660	1880	1900				
20	QPSK	1	0	17.28	17.32	17.17	18.5	0		
20	QPSK	1	49	17.18	17.26	17.26				
20	QPSK	1	99	17.11	17.24	17.26				
20	QPSK	50	0	17.21	17.29	17.22				
20	QPSK	50	24	17.24	17.26	17.14	18.5	0		
20	QPSK	50	50	17.14	17.23	17.15				
20	QPSK	100	0	17.11	17.25	17.16				
20	16QAM	1	0	17.21	17.26	17.22				
20	16QAM	1	49	17.31	17.19	17.20	18.5	0		
20	16QAM	1	99	17.20	17.22	17.15				
20	16QAM	50	0	17.23	17.18	17.13				
20	16QAM	50	24	17.08	17.31	17.22				
20	16QAM	50	50	17.11	17.12	17.21	18.5	0		
20	16QAM	100	0	17.16	17.24	17.24				
20	16QAM	1	0	17.18	17.26	17.20				
20	16QAM	1	49	17.16	17.16	17.06				
20	16QAM	1	99	17.29	17.26	17.17	18.5	0		
20	16QAM	50	0	17.21	17.21	17.29				
20	16QAM	50	24	17.23	17.18	17.19				
20	16QAM	50	50	17.19	17.16	17.13				
20	16QAM	100	0	17.25	17.19	17.10	18.5	0		
Channel				18675	18900	19125				
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	17.18	17.14	17.09	18.5	0		
15	QPSK	1	37	17.14	17.12	17.12				
15	QPSK	1	74	17.02	17.20	17.21				
15	QPSK	36	0	17.05	17.14	17.06				
15	QPSK	36	20	17.10	17.19	17.05	18.5	0		
15	QPSK	36	39	17.06	17.14	17.06				
15	QPSK	75	0	16.94	17.13	17.10				
15	16QAM	1	0	17.14	17.09	17.07				
15	16QAM	1	37	17.15	17.05	17.11	18.5	0		
15	16QAM	1	74	17.12	17.13	17.00				
15	16QAM	36	0	17.18	17.05	16.96				
15	16QAM	36	20	17.02	17.17	17.16				
15	16QAM	36	39	16.99	16.99	17.14	18.5	0		
15	16QAM	75	0	17.09	17.14	17.08				
15	16QAM	1	0	17.07	17.12	17.17				
15	16QAM	1	37	17.02	17.10	16.93				
15	16QAM	1	74	17.23	17.18	17.07	18.5	0		
15	16QAM	36	0	17.14	17.07	17.15				
15	16QAM	36	20	17.05	17.15	17.16				
15	16QAM	36	39	17.09	17.03	17.04				
15	16QAM	75	0	17.08	17.02	17.04	18.5	0		
Channel				18650	18900	19150				
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	17.12	17.30	17.14	18.5	0		
10	QPSK	1	25	17.06	17.11	17.09				
10	QPSK	1	49	16.96	17.13	17.18				
10	QPSK	25	0	17.05	17.25	17.19				
10	QPSK	25	12	17.14	17.09	16.97	18.5	0		
10	QPSK	25	25	17.09	17.21	17.09				
10	QPSK	50	0	16.96	17.13	17.12				
10	16QAM	1	0	17.08	17.17	17.05				
10	16QAM	1	25	17.15	17.08	17.17	18.5	0		
10	16QAM	1	49	17.17	17.06	17.06				
10	16QAM	25	0	17.08	16.95	17.04				
10	16QAM	25	12	16.98	17.23	17.18				
10	16QAM	25	25	17.00	16.97	17.12	18.5	0		
10	16QAM	50	0	16.98	17.14	17.11				
10	16QAM	1	0	17.11	17.10	17.14				
10	16QAM	1	25	17.03	17.08	17.01				
10	16QAM	1	49	17.24	17.18	17.06	18.5	0		
10	16QAM	25	0	17.11	17.19	17.12				
10	16QAM	25	12	17.09	17.13	17.14				
10	16QAM	25	25	17.16	17.07	17.00				
10	16QAM	50	0	17.19	17.16	17.05	18.5	0		
Channel				18625	18900	19175				
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	17.24	17.20	17.12	18.5	0		
5	QPSK	1	12	17.02	17.21	17.12				
5	QPSK	1	24	16.97	17.17	17.12				
5	QPSK	12	0	17.05	17.25	17.19				
5	QPSK	12	7	17.15	17.19	17.07	18.5	0		
5	QPSK	12	13	17.09	17.15	17.01				
5	QPSK	25	0	17.02	17.12	17.10				
5	16QAM	1	0	17.19	17.18	17.16				
5	16QAM	1	12	17.18	17.14	17.15	18.5	0		
5	16QAM	1	24	17.02	17.19	17.04				
5	16QAM	1	25	17.15	17.02	17.01				
5	16QAM	12	7	16.90	17.19	17.06				
5	16QAM	12	13	17.01	17.09	17.10	18.5	0		
5	16QAM	25	0	16.99	17.10	17.11				
5	16QAM	1	0	17.04	17.22	17.09				
5	16QAM	1	12	17.07	17.01	16.98				
5	16QAM	1	24	17.24	17.21	17.05	18.5	0		
5	16QAM	12	0	17.17	17.15	17.16				
5	16QAM	12	7	17.06	17.04	17.05				
5	16QAM	12	13	17.14	17.04	17.17				
5	16QAM	25	0	17.21	17.10	17.00	18.5	0		
Channel				18615	18900	19185				
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	17.17	17.22	17.02	18.5	0		
3	QPSK	1	8	17.12	17.16	17.23				
3	QPSK	1	14	17.01	17.07	17.13				
3	QPSK	8	0	17.05	17.26	17.12				
3	QPSK	8	4	17.13	17.21	17.12	18.5	0		
3	QPSK	8	7	17.12	17.20	17.02				
3	QPSK	15	0	17.02	17.10	17.09				
3	16QAM	1	0	17.16	17.23	17.13				
3	16QAM	1	8	17.17	17.15	17.15	18.5	0		
3	16QAM	1	14	17.07	17.15	17.07				
3	16QAM	8	0	17.15	17.01	17.08				
3	16QAM	8	4	16.98	17.28	17.19				
3	16QAM	8	7	17.04	16.96	17.07	18.5	0		
3	16QAM	15	0	17.05	17.15	17.13				
3	16QAM	1	0	17.02	17.09	17.03				
3	16QAM	1	8	17.14	17.10	17.01				
3	16QAM	1	14	17.16	17.19	17.08	18.5	0		
3	16QAM	8	0	17.09	17.14	17.21				
3	16QAM	8	4	17.14	17.06	17.10	18.5	0		
3	16QAM	8	7	17.07	17.17	17.02				
3	16QAM	15	0	17.22	17.14	16.99				
Channel				18607	18900	19193				
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	17.19	17.17	17.04	18.5	0		
1.4	QPSK	1	3	17.07	17.17	17.11				
1.4	QPSK	1	5	17.04	17.09	17.23				
1.4	QPSK	3	0	17.16	17.15	17.13				
1.4	QPSK	3	1	17.12	17.14	17.09	18.5	0		
1.4	QPSK	3	3	17.10	17.07	17.02				
1.4	QPSK	6	0	16.98	17.15	17.13				
1.4	QPSK	6	1	17.21	17.16	17.00				
1.4	16QAM	1	3	17.16	17.04	17.18	18.5	0		
1.4	16QAM	1	5	17.15	17.05	17.12				
1.4	16QAM	3	0	17.05	17.02	16.96				
1.4	16QAM	3	1	17.01	17.24	17.13				
1.4	16QAM	3	3	16.93	16.96	17.05	18.5	0		
1.4	16QAM	6	0	17.10	17.11	17.17				
1.4	16QAM	1	0	17.14	17.14	17.14				
1.4	16QAM	1	3	17.16	17.16	16.95				
1.4	16QAM	1	5	17.17	17.08	17.11	18.5	0		
1.4	16QAM	3	0	17.07	17.18	17.12				
1.4	16QAM	3	1	17.18	17.03	17.11				
1.4	16QAM	3	3	17.01	17.11	17.04				
1.4	16QAM	6	0	17.12	17.06	17.02	18.5	0		

Band 7 Ant 4								
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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	15.81	15.82	15.76	17	0
20	QPSK	1	49	15.72	15.77	15.73		
20	QPSK	1	99	15.62	15.70	15.71		
20	QPSK	50	0	15.73	15.78	15.63	17	0
20	QPSK	50	24	15.71	15.71	15.64		
20	QPSK	50	50	15.60	15.81	15.64		
20	QPSK	100	0	15.71	15.75	15.69	17	0
20	16QAM	1	0	15.78	15.73	15.76		
20	16QAM	1	49	15.74	15.72	15.73		
20	16QAM	1	99	15.67	15.64	15.62	17	0
20	16QAM	50	0	15.75	15.64	15.66		
20	16QAM	50	24	15.63	15.81	15.74		
20	16QAM	50	50	15.65	15.67	15.70	17	0
20	16QAM	100	0	15.66	15.73	15.78		
20	64QAM	1	0	15.69	15.76	15.75		
20	64QAM	1	49	15.71	15.65	15.62		
20	64QAM	1	99	15.74	15.74	15.62		
20	64QAM	50	0	15.67	15.70	15.79	17	0
20	64QAM	50	24	15.68	15.69	15.72		
20	64QAM	50	50	15.70	15.67	15.62		
20	64QAM	100	0	15.76	15.73	15.55	Tune-up limit (dBm)	MPR (dB)
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	15.70	15.68	15.62		
15	QPSK	1	37	15.60	15.66	15.61		
15	QPSK	1	74	15.48	15.60	15.62		
15	QPSK	36	0	15.63	15.71	15.55	17	0
15	QPSK	36	20	15.56	15.63	15.58		
15	QPSK	36	39	15.45	15.51	15.53		
15	QPSK	75	0	15.58	15.65	15.59	17	0
15	16QAM	1	0	15.69	15.60	15.70		
15	16QAM	1	37	15.60	15.59	15.67		
15	16QAM	1	74	15.53	15.58	15.58	17	0
15	16QAM	36	0	15.61	15.58	15.52		
15	16QAM	36	20	15.57	15.73	15.55		
15	16QAM	36	39	15.54	15.55	15.56	17	0
15	16QAM	75	0	15.58	15.66	15.67		
15	64QAM	1	0	15.56	15.67	15.68		
15	64QAM	1	37	15.59	15.55	15.51	17	0
15	64QAM	1	74	15.65	15.63	15.54		
15	64QAM	36	0	15.55	15.58	15.67		
15	64QAM	36	20	15.53	15.63	15.62	17	0
15	64QAM	36	39	15.58	15.61	15.54		
15	64QAM	75	0	15.69	15.62	15.47		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	15.72	15.67	15.65	17	0
10	QPSK	1	25	15.61	15.71	15.59		
10	QPSK	1	49	15.49	15.61	15.58		
10	QPSK	25	0	15.64	15.68	15.54	17	0
10	QPSK	25	12	15.57	15.58	15.58		
10	QPSK	25	25	15.46	15.52	15.51		
10	QPSK	50	0	15.57	15.66	15.54	17	0
10	16QAM	1	0	15.72	15.66	15.65		
10	16QAM	1	25	15.63	15.58	15.65		
10	16QAM	1	49	15.52	15.57	15.55	17	0
10	16QAM	25	0	15.67	15.51	15.54		
10	16QAM	25	12	15.50	15.71	15.60		
10	16QAM	25	25	15.59	15.61	15.57	17	0
10	16QAM	50	0	15.58	15.58	15.65		
10	64QAM	1	0	15.55	15.70	15.68		
10	64QAM	1	25	15.59	15.53	15.56	17	0
10	64QAM	1	49	15.60	15.64	15.56		
10	64QAM	25	0	15.57	15.60	15.66		
10	64QAM	25	12	15.56	15.61	15.67	17	0
10	64QAM	25	25	15.61	15.57	15.49		
10	64QAM	50	0	15.63	15.67	15.50		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	15.67	15.70	15.65	17	0
5	QPSK	1	12	15.62	15.65	15.58		
5	QPSK	1	24	15.50	15.62	15.61		
5	QPSK	12	0	15.62	15.70	15.53	17	0
5	QPSK	12	7	15.61	15.60	15.59		
5	QPSK	12	13	15.48	15.50	15.57		
5	QPSK	25	0	15.65	15.70	15.64	17	0
5	16QAM	1	0	15.66	15.58	15.63		
5	16QAM	1	12	15.67	15.60	15.63		
5	16QAM	1	24	15.53	15.62	15.59	17	0
5	16QAM	12	0	15.64	15.56	15.59		
5	16QAM	12	7	15.52	15.72	15.61		
5	16QAM	12	13	15.56	15.57	15.61	17	0
5	16QAM	25	0	15.54	15.66	15.73		
5	64QAM	1	0	15.60	15.64	15.63		
5	64QAM	1	12	15.60	15.57	15.49	17	0
5	64QAM	1	24	15.68	15.68	15.50		
5	64QAM	12	0	15.54	15.56	15.70		
5	64QAM	12	7	15.57	15.62	15.62	17	0
5	64QAM	12	13	15.58	15.54	15.55		
5	64QAM	25	0	15.64	15.58	15.48		

Band 12 Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	717.5	711.5
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.70	22.85	22.87	24	0
10	QPSK	1	25	22.54	22.66	22.55		
10	QPSK	1	49	22.71	22.84	22.70	23	1
10	QPSK	25	0	21.79	21.93	21.83		
10	QPSK	25	12	21.83	21.88	21.73	23	1
10	QPSK	25	25	21.82	21.90	21.76		
10	QPSK	50	0	21.77	21.91	21.76	23	1
10	16QAM	1	0	21.82	21.88	21.76		
10	16QAM	1	25	21.70	21.76	21.61	22	2
10	16QAM	1	49	21.80	21.91	21.79		
10	16QAM	25	0	20.90	20.98	20.85	22	2
10	16QAM	25	12	20.88	21.01	20.95		
10	16QAM	25	25	20.82	20.89	20.78	22	2
10	16QAM	50	0	20.91	20.97	20.86		
10	64QAM	1	0	21.30	21.41	21.31	22	2
10	64QAM	1	25	21.23	21.34	21.25		
10	64QAM	1	49	21.31	21.39	21.27	21	3
10	64QAM	25	0	19.87	19.98	19.87		
10	64QAM	25	12	19.95	20.02	19.87	21	3
10	64QAM	25	25	19.89	19.99	19.89		
10	64QAM	50	0	19.83	19.94	19.88	Tune-up limit (dBm)	MPR (dB)
Channel				23035	23095	23155	717.5	713.5
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.64	22.82	22.75	24	0
5	QPSK	1	12	22.39	22.57	22.43		
5	QPSK	1	24	22.64	22.77	22.61	23	1
5	QPSK	12	0	21.74	21.82	21.70		
5	QPSK	12	7	21.77	21.81	21.60	23	1
5	QPSK	12	13	21.69	21.81	21.64		
5	QPSK	25	0	21.68	21.84	21.69	23	1
5	16QAM	1	0	21.67	21.78	21.70		
5	16QAM	1	12	21.59	21.66	21.47	23	1
5	16QAM	1	24	21.72	21.83	21.68		
5	16QAM	12	0	20.84	20.83	20.78	22	2
5	16QAM	12	7	20.73	20.92	20.81		
5	16QAM	12	13	20.72	20.82	20.71	22	2
5	16QAM	25	0	20.82	20.84	20.77		
5	64QAM	1	0	21.16	21.32	21.26	22	2
5	64QAM	1	12	21.16	21.21	21.12		
5	64QAM	1	24	21.18	21.30	21.13	21	3
5	64QAM	12	0	19.76	19.89	19.74		
5	64QAM	12	7	19.83	19.94	19.78	21	3
5	64QAM	12	13	19.78	19.88	19.85		
5	64QAM	25	0	19.69	19.80	19.74	Tune-up limit (dBm)	MPR (dB)
Channel				23025	23095	23165	717.5	714.5
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	22.73	22.82	22.78	24	0
3	QPSK	1	8	22.42	22.55	22.41		
3	QPSK	1	14	22.58	22.73	22.58	23	1
3	QPSK	8	0	21.72	21.81	21.75		
3	QPSK	8	4	21.72	21.73	21.64	23	1
3	QPSK	8	7	21.76	21.83	21.68		
3	QPSK	15	0	21.62	21.82	21.69	23	1
3	16QAM	1	0	21.69	21.80	21.66		
3	16QAM	1	8	21.59	21.62	21.49	22	2
3	16QAM	1	14	21.70	21.85	21.64		
3	16QAM	8	0	20.81	20.86	20.76	22	2
3	16QAM	8	4	20.78	20.94	20.86		
3	16QAM	8	7	20.67	20.83	20.71	22	2
3	16QAM	15	0	20.82	20.88	20.79		
3	64QAM	1	0	21.22	21.32	21.25	22	2
3	64QAM	1	8	21.09	21.23	21.11		
3	64QAM	1	14	21.21	21.27	21.19	21	3
3	64QAM	8	0	19.79	19.91	19.76		
3	64QAM	8	4	19.82	19.89	19.82	21	3
3	64QAM	8	7	19.76	19.87	19.81		
3	64QAM	15	0	19.74	19.87	19.74	Tune-up limit (dBm)	MPR (dB)
Channel				23017	23095	23173	715.3	715.3
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.66	22.87	22.74	24	0
1.4	QPSK	1	3	22.44	22.53	22.48		
1.4	QPSK	1	5	22.59	22.73	22.57	23	1
1.4	QPSK	3	1	22.43	22.61	22.44		
1.4	QPSK	3	3	22.60	22.73	22.65	23	1
1.4	QPSK	6	0	21.69	21.82	21.74		
1.4	16QAM	1	0	21.76	21.78	21.68	23	1
1.4	16QAM	1	3	21.71	21.73	21.68		
1.4	16QAM	1	5	21.69	21.78	21.64	22	2
1.4	16QAM	3	1	21.67	21.81	21.67		
1.4	16QAM	3	1	21.59	21.69	21.53	22	2
1.4	16QAM	3	3	21.70	21.83	21.73		
1.4	64QAM	1	0	20.75	20.96	20.87	22	2
1.4	64QAM	1	3	20.75	20.80	20.67		
1.4	64QAM	1	5	20.80	20.86	20.72	22	2
1.4	64QAM	3	1	21.22	21.32	21.25		
1.4	64QAM	3	1	21.15	21.27	21.18	21	3
1.4	64QAM	3	3	21.17	21.25	21.19		
1.4	64QAM	6	0	19.78	19.89	19.78	21	3

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [Frac]	Power Middle Ch [Frac]	Power High Ch [Frac]	Tune-up limit (dBm)	MPR (dB)
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	QPSK	1	0	2560	2565	2610	19	0
20	QPSK	1	49	1745	1747	1744		
20	QPSK	1	99	1734	1741	1745		
20	QPSK	50	0	1740	1743	1738		
20	QPSK	50	24	1738	1741	1730	19	0
20	QPSK	50	50	1730	1732	1733		
20	QPSK	100	0	1736	1742	1731		
20	16QAM	1	0	1748	1744	1746		
20	16QAM	1	49	1743	1740	1744	19	0
20	16QAM	1	99	1739	1737	1738		
20	16QAM	50	0	1747	1730	1731		
20	16QAM	50	24	1733	1747	1742		
20	16QAM	50	50	1731	1738	1739	19	0
20	16QAM	100	0	1741	1740	1748		
20	64QAM	1	0	1748	1743	1744		
20	64QAM	1	49	1740	1738	1730		
20	64QAM	1	99	1742	1745	1732	19	0
20	64QAM	50	0	1738	1744	1745		
20	64QAM	50	24	1737	1740	1740		
20	64QAM	50	50	1735	1739	1734		
20	64QAM	100	0	1745	1743	1728	19	0
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	0	2577.5	2585	2612.5	19	0
15	QPSK	1	37	1734	1736	1734		
15	QPSK	1	74	1722	1735	1734		
15	QPSK	36	0	1730	1732	1722		
15	QPSK	36	20	1733	1731	1716	19	0
15	QPSK	36	36	1718	1725	1719		
15	QPSK	75	0	1726	1736	1734		
15	16QAM	1	0	1742	1738	1739		
15	16QAM	1	37	1743	1733	1737	19	0
15	16QAM	1	74	1733	1731	1728		
15	16QAM	36	0	1739	1724	1725		
15	16QAM	36	20	1718	1722	1724		
15	16QAM	36	39	1725	1731	1730	19	0
15	16QAM	75	0	1734	1734	1741		
15	64QAM	1	0	1731	1739	1737		
15	64QAM	1	37	1731	1725	1726		
15	64QAM	1	74	1728	1736	1737	19	0
15	64QAM	36	0	1732	1736	1723		
15	64QAM	36	20	1724	1726	1729		
15	64QAM	36	39	1720	1734	1720		
15	64QAM	75	0	1739	1733	1722	19	0
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	0	2570	2580	2610	19	0
10	QPSK	1	25	1738	1747	1741		
10	QPSK	1	49	1721	1728	1738		
10	QPSK	25	0	1728	1734	1728		
10	QPSK	25	12	1725	1731	1718	19	0
10	QPSK	25	25	1716	1725	1724		
10	QPSK	50	0	1731	1734	1723		
10	16QAM	1	0	1742	1735	1735		
10	16QAM	1	25	1738	1727	1738	19	0
10	16QAM	1	49	1732	1725	1726		
10	16QAM	25	0	1735	1716	1716		
10	16QAM	25	12	1719	1741	1731		
10	16QAM	25	25	1721	1729	1731	19	0
10	16QAM	50	0	1727	1734	1738		
10	64QAM	1	0	1730	1744	1738		
10	64QAM	1	25	1725	1728	1722		
10	64QAM	1	49	1729	1733	1734	19	0
10	64QAM	25	0	1724	1738	1726		
10	64QAM	25	12	1728	1735	1728		
10	64QAM	25	25	1729	1730	1723		
10	64QAM	50	0	1736	1731	1720	19	0
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	0	2577.5	2586	2625	19	0
5	QPSK	1	12	1734	1740	1729		
5	QPSK	1	24	1726	1734	1733		
5	QPSK	12	0	1726	1732	1724		
5	QPSK	12	7	1731	1736	1716	19	0
5	QPSK	12	13	1717	1719	1727		
5	QPSK	25	0	1730	1733	1717		
5	16QAM	1	0	1736	1735	1731		
5	16QAM	1	12	1729	1729	1736	19	0
5	16QAM	1	24	1727	1734	1724		
5	16QAM	12	0	1736	1722	1722		
5	16QAM	12	7	1722	1740	1722		
5	16QAM	12	13	1715	1725	1725	19	0
5	16QAM	25	0	1731	1731	1740		
5	64QAM	1	0	1725	1741	1730		
5	64QAM	1	12	1728	1731	1726		
5	64QAM	1	24	1729	1739	1724	19	0
5	64QAM	12	0	1727	1736	1730		
5	64QAM	12	7	1743	1728	1728		
5	64QAM	12	13	1728	1728	1722		
5	64QAM	25	0	1733	1735	1713	19	0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. [Frac]	Power Low Middle Co. [Frac]	Power Middle Co. [Frac]	Power High Middle Co. [Frac]	Power High Co. [Frac]	Tune-up time (s)	MPR (dB)
Channel									Tune-up time (s)	MPR (dB)
Frequency (MHz)										
20	QPSK	1	0	17.79	17.77	17.80	17.71	17.68	19	0
20	QPSK	1	49	17.73	17.72	17.73	17.71	17.78		
20	QPSK	1	99	17.64	17.62	17.74	17.72	17.64		
20	QPSK	50	0	17.74	17.69	17.78	17.62	17.70		
20	QPSK	50	24	17.69	17.70	17.74	17.62	17.68	19	0
20	QPSK	50	50	17.62	17.60	17.60	17.60	17.76		
20	QPSK	100	0	17.65	17.71	17.75	17.68	17.62		
20	16QAM	1	0	17.77	17.73	17.71	17.79	17.74		
20	16QAM	1	49	17.76	17.77	17.69	17.72	17.76	19	0
20	16QAM	1	99	17.69	17.66	17.71	17.65	17.67		
20	16QAM	50	0	17.75	17.75	17.62	17.61	17.77		
20	16QAM	50	24	17.64	17.62	17.67	17.62	17.62		
20	16QAM	50	50	17.63	17.65	17.66	17.71	17.66	19	0
20	16QAM	100	0	17.67	17.70	17.74	17.77	17.71		
20	64QAM	1	0	17.70	17.71	17.79	17.75	17.70		
20	64QAM	1	49	17.66	17.71	17.68	17.72	17.68		
20	64QAM	1	99	17.73	17.72	17.73	17.64	17.76	19	0
20	64QAM	50	0	17.70	17.67	17.70	17.71	17.74		
20	64QAM	50	24	17.69	17.69	17.72	17.72	17.70		
20	64QAM	50	50	17.69	17.66	17.68	17.61	17.62		
20	64QAM	100	0	17.77	17.79	17.68	17.60	17.72	19	0
Channel										
Frequency (MHz)									Tune-up time (s)	MPR (dB)
2603.5 2648.3 2693 2637.9 2682.5									19	0
15	QPSK	1	0	17.73	17.70	17.68	17.62	17.67	19	0
15	QPSK	1	37	17.64	17.64	17.60	17.62	17.60		
15	QPSK	1	74	17.58	17.49	17.67	17.61	17.63		
15	QPSK	36	0	17.62	17.55	17.72	17.55	17.62		
15	QPSK	36	20	17.57	17.57	17.63	17.57	17.67	19	0
15	QPSK	36	36	17.55	17.54	17.47	17.53	17.51		
15	QPSK	75	0	17.62	17.62	17.63	17.55	17.50		
15	16QAM	1	0	17.63	17.63	17.60	17.68	17.59		
15	16QAM	1	37	17.66	17.69	17.60	17.66	17.58	19	0
15	16QAM	1	74	17.64	17.54	17.58	17.51	17.61		
15	16QAM	36	0	17.70	17.66	17.55	17.51	17.68		
15	16QAM	36	20	17.57	17.51	17.70	17.52	17.61		
15	16QAM	36	36	17.55	17.60	17.56	17.56	17.52	19	0
15	16QAM	75	0	17.63	17.56	17.66	17.64	17.56		
15	64QAM	1	0	17.62	17.58	17.70	17.58	17.64		
15	64QAM	1	37	17.54	17.62	17.59	17.54	17.56		
15	64QAM	1	74	17.59	17.67	17.63	17.52	17.62	19	0
15	64QAM	36	0	17.56	17.53	17.63	17.53	17.61		
15	64QAM	36	20	17.64	17.59	17.58	17.64	17.64		
15	64QAM	36	30	17.57	17.57	17.53	17.47	17.56	19	0
15	64QAM	75	0	17.65	17.59	17.62	17.45	17.60		
Channel									Tune-up time (s)	MPR (dB)
3010.5 4016.0 4062.0 4106.0 4154.0									19	0
15	QPSK	1	0	17.66	17.68	17.68	17.67	17.65	19	0
15	QPSK	1	25	17.59	17.62	17.60	17.62	17.57		
15	QPSK	1	49	17.50	17.56	17.60	17.63	17.57		
15	QPSK	25	0	17.66	17.57	17.69	17.54	17.62		
15	QPSK	25	12	17.59	17.63	17.60	17.63	17.58	19	0
15	QPSK	25	25	17.48	17.51	17.45	17.56	17.48		
15	QPSK	50	0	17.50	17.54	17.62	17.61	17.51		
15	16QAM	1	0	17.62	17.57	17.57	17.57	17.64		
15	16QAM	1	25	17.70	17.70	17.54	17.62	17.71	19	0
15	16QAM	1	49	17.63	17.60	17.60	17.56	17.59		
15	16QAM	25	0	17.66	17.66	17.62	17.62	17.66		
15	16QAM	25	12	17.53	17.49	17.73	17.62	17.48		
15	16QAM	25	25	17.54	17.53	17.60	17.57	17.55	19	0
15	16QAM	50	0	17.59	17.56	17.61	17.70	17.52		
15	64QAM	1	0	17.69	17.57	17.74	17.69	17.60		
15	64QAM	1	25	17.57	17.58	17.54	17.52	17.52		
15	64QAM	1	49	17.58	17.63	17.54	17.61	17.59	19	0
15	64QAM	25	0	17.60	17.68	17.59	17.63	17.61		
15	64QAM	25	12	17.58	17.63	17.61	17.61	17.59		
15	64QAM	25	25	17.60	17.56	17.25	17.48	17.57		
15	64QAM	50	0	17.70	17.58	17.58	17.49	17.69	19	0
Channel										
3679.5 4016.0 4062.0 4106.0 4154.5									Tune-up time (s)	MPR (dB)
241.8 244.5 249.3 246.3 246.5									19	0
5	QPSK	1	0	17.66	17.69	17.69	17.64	17.71	19	0
5	QPSK	1	24	17.63	17.48	17.61	17.60	17.50		
5	QPSK	12	0	17.68	17.55	17.66	17.55	17.66		
5	QPSK	12	7	17.55	17.61	17.61	17.52	17.57		
5	QPSK	12	13	17.47	17.48	17.63	17.51	17.56	19	0
5	QPSK	25	0	17.59	17.59	17.69	17.59	17.64		
5	16QAM	1	0	17.64	17.59	17.63	17.70	17.61		
5	16QAM	1	12	17.63	17.69	17.59	17.63	17.69		
5	16QAM	1	24	17.57	17.59	17.66	17.59	17.59	19	0
5	16QAM	12	0	17.62	17.64	17.56	17.64	17.64		
5	16QAM	12	7	17.57	17.56	17.68	17.66	17.50		
5	16QAM	12	13	17.50	17.51	17.52	17.57	17.60		
5	16QAM	25	0	17.58	17.61	17.67	17.70	17.62	19	0
5	64QAM	1	0	17.62	17.60	17.66	17.62	17.62		
5	64QAM	1	12	17.55	17.61	17.57	17.48	17.55		
5	64QAM	1	24	17.58	17.67	17.62	17.62	17.68		
5	64QAM	12	0	17.58	17.54	17.57	17.69	17.61	19	0
5	64QAM	12	7	17.63	17.56	17.62	17.65	17.59		
5	64QAM	12	13	17.61	17.54	17.63	17.63	17.61		
5	64QAM	25	0	17.62	17.70	17.59	17.51	17.69		

Receiver Off Power

GSM850 Ant 0		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	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.35	32.24	32.10		23.35	23.24	23.10	
GPRS 1 Tx slot		32.33	32.21	32.05	33.50	23.33	23.21	23.05	24.50
GPRS 2 Tx slots		30.52	30.32	30.09	31.50	24.52	24.32	24.09	25.50
GPRS 3 Tx slots		29.02	28.83	28.79	30.00	24.76	24.57	24.53	25.74
GPRS 4 Tx slots		27.71	28.01	27.70	29.00	24.71	25.01	24.70	26.00

Band		WCDMA V Ant 0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.49	23.54	23.51	25.00
3GPP Rel 99	RMC 12.2Kbps	23.59	23.68	23.53	25.00
3GPP Rel 6	HSDPA Subtest-1	22.69	22.76	22.55	24.00
3GPP Rel 6	HSDPA Subtest-2	22.70	22.80	22.47	24.00
3GPP Rel 6	HSDPA Subtest-3	21.99	22.06	22.13	23.50
3GPP Rel 6	HSDPA Subtest-4	22.06	22.07	22.05	23.50
3GPP Rel 6	HSUPA Subtest-1	22.59	22.72	22.51	24.00
3GPP Rel 6	HSUPA Subtest-2	20.47	20.66	20.52	22.00
3GPP Rel 6	HSUPA Subtest-3	21.63	21.78	21.59	23.00
3GPP Rel 6	HSUPA Subtest-4	20.68	20.64	20.52	22.00
3GPP Rel 6	HSUPA Subtest-5	22.57	22.76	22.62	24.00

Band 5 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.26	22.33	22.20	24	0	
10	QPSK	1	25	22.06	22.31	22.21			
10	QPSK	1	49	22.14	22.13	22.22			
10	QPSK	25	0	21.08	21.15	21.12	23	1	
10	QPSK	25	12	21.04	21.12	21.14			
10	QPSK	25	25	21.08	21.06	21.08			
10	QPSK	50	0	21.11	21.17	21.04	23	1	
10	16QAM	1	0	21.19	21.24	21.09			
10	16QAM	1	25	21.09	21.23	21.30			
10	16QAM	1	49	21.06	21.14	21.11	22	2	
10	16QAM	25	0	20.27	20.23	20.05			
10	16QAM	25	12	20.01	20.30	20.19			
10	16QAM	25	25	20.12	20.12	20.00	22	2	
10	16QAM	50	0	20.12	20.28	20.08			
10	64QAM	1	0	20.01	20.22	20.15			
10	64QAM	1	25	20.10	20.09	20.17	22	2	
10	64QAM	1	49	20.02	20.20	20.19			
10	64QAM	25	0	19.74	19.79	19.73			
10	64QAM	25	12	19.89	19.86	19.76	21	3	
10	64QAM	25	25	19.79	19.92	19.88			
10	64QAM	50	0	19.83	19.82	19.79			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	22.20	22.31	22.12	24	0	
5	QPSK	1	12	22.03	22.23	22.15			
5	QPSK	1	24	22.18	22.04	22.10			
5	QPSK	12	0	21.10	21.07	21.10	23	1	
5	QPSK	12	7	21.14	21.00	21.12			
5	QPSK	12	13	21.11	21.14	21.13			
5	QPSK	25	0	21.10	21.26	21.01	23	1	
5	16QAM	1	0	21.18	21.20	21.14			
5	16QAM	1	12	21.01	21.33	21.25			
5	16QAM	1	24	21.11	21.25	21.03	22	2	
5	16QAM	12	0	20.37	20.13	20.09			
5	16QAM	12	7	20.04	20.29	20.23			
5	16QAM	12	13	20.18	20.18	20.00	22	2	
5	16QAM	25	0	20.13	20.38	20.02			
5	64QAM	1	0	20.07	20.21	20.06			
5	64QAM	1	12	20.14	20.01	20.27	22	2	
5	64QAM	1	24	20.04	20.28	20.09			
5	64QAM	12	0	19.70	19.75	19.62			
5	64QAM	12	7	20.01	19.91	19.88	21	3	
5	64QAM	12	13	19.77	19.89	19.79			
5	64QAM	25	0	19.81	19.92	19.90			
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	22.25	22.23	22.14	24	0	
3	QPSK	1	8	22.14	22.05	22.10			
3	QPSK	1	14	22.20	22.13	22.16			
3	QPSK	8	0	21.15	21.07	21.21	23	1	
3	QPSK	8	4	21.11	21.12	21.03			
3	QPSK	8	7	21.04	21.18	21.03			
3	QPSK	15	0	21.12	21.10	21.13	23	1	
3	16QAM	1	0	21.17	21.23	21.00			
3	16QAM	1	8	21.06	21.20	21.26			
3	16QAM	1	14	21.12	21.03	21.19	22	2	
3	16QAM	8	0	20.33	20.27	20.00			
3	16QAM	8	4	20.15	20.33	20.15			
3	16QAM	8	7	20.22	20.19	20.03	22	2	
3	16QAM	15	0	20.14	20.17	20.14			
3	64QAM	1	0	20.08	20.19	20.06			
3	64QAM	1	8	20.08	20.12	20.25	22	2	
3	64QAM	1	14	20.13	20.23	20.09			
3	64QAM	8	0	19.73	19.85	19.67			
3	64QAM	8	4	19.84	19.93	19.77	21	3	
3	64QAM	8	7	19.71	19.91	19.85			
3	64QAM	15	0	19.94	19.77	19.78			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.24	22.11	22.17	24	0	
1.4	QPSK	1	3	22.01	22.11	22.19			
1.4	QPSK	1	5	22.20	22.15	22.25			
1.4	QPSK	3	0	22.14	22.31	22.17	23	1	
1.4	QPSK	3	1	22.12	22.25	22.16			
1.4	QPSK	3	3	22.19	22.12	22.28			
1.4	QPSK	6	0	21.21	21.05	21.03	23	1	
1.4	16QAM	1	0	21.25	21.28	21.03			
1.4	16QAM	1	3	21.05	21.31	21.29			
1.4	16QAM	1	5	21.02	21.14	21.07	23	1	
1.4	16QAM	3	0	21.13	21.15	21.11			
1.4	16QAM	3	1	21.26	21.33	21.08			
1.4	16QAM	3	3	21.11	21.12	21.20	22	2	
1.4	16QAM	6	0	20.15	20.31	20.14			
1.4	64QAM	1	0	20.13	20.23	20.15			
1.4	64QAM	1	3	20.13	20.17	20.07	22	2	
1.4	64QAM	1	5	20.26	20.10	20.23			
1.4	64QAM	3	0	20.01	20.36	20.00			
1.4	64QAM	3	1	20.00	20.21	20.07	22	2	
1.4	64QAM	3	3	20.14	20.18	20.18			
1.4	64QAM	6	0	19.82	19.74	19.73			
							21	3	

Band 12 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.29	22.44	22.39	24	0	
10	QPSK	1	25	22.33	22.38	22.36			
10	QPSK	1	49	22.21	22.42	22.35			
10	QPSK	25	0	21.24	21.25	21.22	23	1	
10	QPSK	25	12	21.20	21.19	21.23			
10	QPSK	25	25	21.20	21.18	21.20			
10	QPSK	50	0	21.28	21.31	21.30	23	1	
10	16QAM	1	0	21.37	21.21	21.29			
10	16QAM	1	25	21.19	21.27	21.29			
10	16QAM	1	49	21.33	21.33	21.26	22	2	
10	16QAM	25	0	20.24	20.22	20.13			
10	16QAM	25	12	20.11	20.11	20.13			
10	16QAM	25	25	20.08	20.07	20.23	22	2	
10	16QAM	50	0	20.10	20.26	20.09			
10	64QAM	1	0	20.14	20.22	20.17			
10	64QAM	1	25	20.05	20.25	20.14	22	2	
10	64QAM	1	49	20.13	20.08	20.13			
10	64QAM	25	0	19.19	19.16	19.34			
10	64QAM	25	12	19.35	19.18	19.26	21	3	
10	64QAM	25	25	19.14	19.15	19.18			
10	64QAM	50	0	19.25	19.15	19.26			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.22	22.23	22.23	24	0	
5	QPSK	1	12	22.34	22.18	22.29			
5	QPSK	1	24	22.19	22.42	22.14			
5	QPSK	12	0	21.13	21.03	21.09	23	1	
5	QPSK	12	7	21.21	21.11	21.09			
5	QPSK	12	13	21.11	21.08	21.06			
5	QPSK	25	0	21.25	21.14	21.11	23	1	
5	16QAM	1	0	21.30	21.08	21.20			
5	16QAM	1	12	21.17	21.09	21.13			
5	16QAM	1	24	21.17	21.25	21.23	22	2	
5	16QAM	12	0	20.22	20.07	20.02			
5	16QAM	12	7	20.05	20.15	20.01			
5	16QAM	12	13	20.17	20.16	20.16	22	2	
5	16QAM	25	0	20.04	20.09	20.08			
5	64QAM	1	0	20.05	20.09	20.12			
5	64QAM	1	12	20.06	20.17	20.11	22	2	
5	64QAM	1	24	20.06	20.22	20.03			
5	64QAM	12	0	19.13	19.12	19.15			
5	64QAM	12	7	19.23	19.13	19.07	21	3	
5	64QAM	12	13	19.08	19.05	19.05			
5	64QAM	25	0	19.07	19.14	19.11			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.31	22.37	22.36	24	0	
3	QPSK	1	8	22.13	22.25	22.17			
3	QPSK	1	14	22.20	22.29	22.29			
3	QPSK	8	0	21.06	21.18	21.15	23	1	
3	QPSK	8	4	21.01	21.21	21.01			
3	QPSK	8	7	21.15	21.01	21.11			
3	QPSK	15	0	21.08	21.28	21.24	23	1	
3	16QAM	1	0	21.24	21.00	21.08			
3	16QAM	1	8	21.15	21.06	21.11			
3	16QAM	1	14	21.13	21.34	21.09	22	2	
3	16QAM	8	0	20.16	20.13	20.24			
3	16QAM	8	4	20.01	20.09	20.02			
3	16QAM	8	7	20.21	20.18	20.13	22	2	
3	16QAM	15	0	20.11	20.01	20.12			
3	64QAM	1	0	20.04	20.08	20.02			
3	64QAM	1	8	20.00	20.16	20.08	22	2	
3	64QAM	1	14	20.07	20.04	20.20			
3	64QAM	8	0	19.15	19.03	19.33			
3	64QAM	8	4	19.33	19.14	19.24	21	3	
3	64QAM	8	7	19.10	19.15	19.16			
3	64QAM	15	0	19.18	19.16	19.10			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.17	22.30	22.35	24	0	
1.4	QPSK	1	3	22.19	22.17	22.37			
1.4	QPSK	1	5	22.12	22.36	22.14			
1.4	QPSK	3	0	22.08	22.23	22.37	23	1	
1.4	QPSK	3	1	22.23	22.43	22.36			
1.4	QPSK	3	3	22.21	22.23	22.26			
1.4	QPSK	6	0	21.08	21.23	21.11	23	1	
1.4	16QAM	1	0	21.38	21.02	21.17			
1.4	16QAM	1	3	21.11	21.26	21.25			
1.4	16QAM	1	5	21.32	21.34	21.23	22	2	
1.4	16QAM	3	0	21.20	21.18	21.18			
1.4	16QAM	3	1	21.08	21.06	21.27			
1.4	16QAM	3	3	21.19	21.20	21.24	22	2	
1.4	16QAM	6	0	20.16	20.22	20.15			
1.4	64QAM	1	0	20.16	20.18	20.13			
1.4	64QAM	1	3	20.04	20.00	20.10	22	2	
1.4	64QAM	1	5	20.12	20.08	20.15			
1.4	64QAM	3	0	20.16	20.14	20.12			
1.4	64QAM	3	1	20.02	20.12	20.22	21	3	
1.4	64QAM	3	3	20.23	20.07	20.04			
1.4	64QAM	6	0	19.27	19.19	19.05			

GSM1900 Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	26.83	26.33	26.35	29.50	19.83	19.33	19.35	20.50
GPRS 1 Tx slot	26.81	26.31	26.34	29.50	19.81	19.31	19.34	20.50
GPRS 2 Tx slots	26.82	26.44	26.51	27.50	20.82	20.44	20.51	21.50
GPRS 3 Tx slots	25.41	25.43	25.16	26.50	21.15	21.17	20.90	22.24
GPRS 4 Tx slots	23.63	23.22	23.16	24.50	20.63	20.22	20.16	21.50

Band 2 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.20	21.23	21.40			
20	QPSK	1	49	21.43	21.46	21.42	23	0	
20	QPSK	1	99	21.34	21.44	21.40			
20	QPSK	50	0	21.39	21.47	21.33			
20	QPSK	50	24	21.39	21.40	21.32	23	0	
20	QPSK	50	50	21.29	21.33	21.36			
20	QPSK	100	0	21.34	21.41	21.35			
20	16QAM	1	0	21.45	21.42	21.45			
20	16QAM	1	49	21.29	21.21	21.43	23	0	
20	16QAM	1	99	21.38	21.37	21.37			
20	16QAM	50	0	20.38	20.33	20.22			
20	16QAM	50	24	20.34	20.23	20.34			
20	16QAM	50	50	20.24	20.22	20.31	22	1	
20	16QAM	100	0	20.21	20.20	20.32			
20	64QAM	1	0	20.24	20.43	20.23			
20	64QAM	1	49	20.31	20.29	20.29	22	1	
20	64QAM	1	99	20.20	20.37	20.23			
20	64QAM	36	0	20.40	20.43	20.24			
20	64QAM	50	24	20.36	20.33	20.19	22	1	
20	64QAM	50	50	20.36	20.40	20.36			
20	64QAM	100	0	20.40	20.26	20.32			
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.37	21.43	21.34			
15	QPSK	1	37	21.32	21.37	21.31	23	0	
15	QPSK	1	74	21.20	21.30	21.26			
15	QPSK	36	0	21.30	21.41	21.23			
15	QPSK	36	20	21.31	21.31	21.19	23	0	
15	QPSK	36	39	21.14	21.23	21.23			
15	QPSK	75	0	21.25	21.28	21.26			
15	16QAM	1	0	21.31	21.34	21.34			
15	16QAM	1	37	21.33	21.33	21.35	23	0	
15	16QAM	1	74	21.28	21.27	21.28			
15	16QAM	36	0	20.33	20.23	20.00			
15	16QAM	36	20	20.32	20.07	20.28	22	1	
15	16QAM	36	39	20.04	20.18	20.13			
15	16QAM	75	0	20.21	20.11	20.30			
15	64QAM	1	0	20.13	20.37	20.18			
15	64QAM	1	37	20.15	20.31	20.18	22	1	
15	64QAM	1	74	20.12	20.36	20.12			
15	64QAM	36	0	20.25	20.43	20.18			
15	64QAM	36	20	20.23	20.15	20.15	22	1	
15	64QAM	36	39	20.27	20.28	20.38			
15	64QAM	75	0	20.29	20.21	20.18			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.37	21.40	21.26			
10	QPSK	1	25	21.33	21.39	21.30	23	0	
10	QPSK	1	49	21.24	21.36	21.33			
10	QPSK	25	0	21.26	21.40	21.27			
10	QPSK	25	12	21.15	21.26	21.24	23	0	
10	QPSK	25	25	21.19	21.27	21.29			
10	QPSK	50	0	21.24	21.33	21.22			
10	16QAM	1	0	21.37	21.37	21.36			
10	16QAM	1	25	21.35	21.32	21.31	23	0	
10	16QAM	1	49	21.24	21.27	21.28			
10	16QAM	25	0	20.24	20.12	20.24			
10	16QAM	25	12	20.24	20.04	20.25	22	1	
10	16QAM	25	25	20.18	20.18	20.23			
10	16QAM	50	0	20.03	20.15	20.19			
10	64QAM	1	0	20.15	20.24	20.22			
10	64QAM	1	25	20.31	20.07	20.13	22	1	
10	64QAM	1	49	20.00	20.27	20.16			
10	64QAM	25	0	20.32	20.27	20.15			
10	64QAM	25	12	20.20	20.35	20.14	22	1	
10	64QAM	25	25	20.25	20.19	20.27			
10	64QAM	50	0	20.33	20.25	20.17			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.39	21.42	21.35			
5	QPSK	1	12	21.33	21.33	21.32	23	0	
5	QPSK	1	24	21.20	21.32	21.34			
5	QPSK	12	0	21.29	21.36	21.23			
5	QPSK	12	7	21.29	21.25	21.22	23	0	
5	QPSK	12	13	21.14	21.25	21.22			
5	QPSK	25	0	21.28	21.34	21.21			
5	16QAM	1	0	21.36	21.33	21.36			
5	16QAM	1	12	21.35	21.32	21.34	23	0	
5	16QAM	1	24	21.28	21.24	21.29			
5	16QAM	12	0	20.19	20.29	20.27			
5	16QAM	12	7	20.30	20.24	20.32	22	1	
5	16QAM	12	13	20.11	20.13	20.19			
5	16QAM	25	0	20.24	20.44	20.12			
5	64QAM	1	0	20.21	20.14	20.24			
5	64QAM	1	12	20.00	20.29	20.24	22	1	
5	64QAM	1	24	20.12	20.16	20.19			
5	64QAM	12	0	20.24	20.36	20.20			
5	64QAM	12	7	20.38	20.31	20.04	22	1	
5	64QAM	12	13	20.38	20.31	20.30			
5	64QAM	25	0	20.30	20.11	20.22			
Channel									
Frequency (MHz)									
3	QPSK	1	0	21.36	21.45	21.25			
3	QPSK	1	8	21.29	21.41	21.30	23	0	
3	QPSK	1	14	21.27	21.32	21.28			
3	QPSK	8	0	21.26	21.39	21.22			
3	QPSK	8	4	21.26	21.31	21.17	23	0	
3	QPSK	8	7	21.21	21.19	21.28			
3	QPSK	15	0	21.22	21.28	21.22			
3	16QAM	1	0	21.37	21.37	21.35			
3	16QAM	1	8	21.38	21.30	21.31	23	0	
3	16QAM	1	14	21.24	21.24	21.24			
3	16QAM	8	0	20.21	20.33	20.03			
3	16QAM	8	4	20.15	20.23	20.35	22	1	
3	16QAM	8	7	20.21	20.21	20.16			
3	16QAM	15	0	20.22	20.21	20.29			
3	64QAM	1	0	20.03	20.24	20.22			
3	64QAM	1	8	20.12	20.08	20.15	22	1	
3	64QAM	1	14	20.13	20.33	20.12			
3	64QAM	8	0	20.24	20.17	20.30			
3	64QAM	8	4	20.16	20.28	20.17	22	1	
3	64QAM	8	7	20.33	20.33	20.26			
3	64QAM	15	0	20.25	20.27	20.17			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	21.35	21.46	21.29	23	0	
1.4	QPSK	1	3	21.31	21.38	21.34			
1.4	QPSK	1	5	21.22	21.33	21.28			
1.4	QPSK	3	0	21.29	21.37	21.21			
1.4	QPSK	3	1	21.30	21.30	21.25	23	0	
1.4	QPSK	3	3	21.17	21.21	21.30			
1.4	QPSK	6	0	21.28	21.35	21.28			
1.4	16QAM	1	0	21.30	21.31	21.36			
1.4	16QAM	1	3	21.38	21.36	21.30	23	0	
1.4	16QAM	1	5	21.27	21.30	21.31			
1.4	16QAM	3	0	21.37	21.27	21.35			
1.4	16QAM	3	1	21.29	21.32	21.35			
1.4	16QAM	3	3	21.29	21.26	21.31	22	1	
1.4	16QAM	6	0	20.05	20.02	20.33			
1.4	64QAM	1	0	20.13	20.36	20.06			
1.4	64QAM	1	3	20.31	20.12	20.13	22	1	
1.4	64QAM	1	5	20.18	20.19	20.11			
1.4	64QAM	3	0	20.31	20.45	20.26			
1.4	64QAM	3	1	20.20	20.25	20.01			
1.4	64QAM	3	3	20.36	20.37	20.29			
1.4	64QAM	6	0	20.32	20.12	20.25	22	1	

Band 4 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.47	22.63	22.55			
20	QPSK	1	49	22.28	22.59	22.46	24	0	
20	QPSK	1	99	22.37	22.58	22.58			
20	QPSK	50	0	21.31	21.53	21.42			
20	QPSK	50	24	21.50	21.49	21.49	23	1	
20	QPSK	50	50	21.37	21.48	21.49			
20	QPSK	100	0	21.37	21.58	21.50			
20	16QAM	1	0	21.34	21.51	21.53			
20	16QAM	1	49	21.34	21.39	21.34	23	1	
20	16QAM	1	99	21.48	21.33	21.47			
20	16QAM	50	0	20.59	20.44	20.55			
20	16QAM	50	24	20.47	20.52	20.47	22	2	
20	16QAM	50	50	20.63	20.46	20.54			
20	16QAM	100	0	20.51	20.44	20.43			
20	64QAM	1	0	20.54	20.52	20.55			
20	64QAM	1	49	20.50	20.63	20.54	22	2	
20	64QAM	1	99	20.56	20.56	20.46			
20	64QAM	50	0	20.47	20.48	20.62			
20	64QAM	50	24	20.50	20.60	20.60	22	2	
20	64QAM	50	50	20.47	20.58	20.53			
20	64QAM	100	0	20.59	20.54	20.62			
Channel									
Frequency (MHz)				20025	20175	20300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	22.40	22.52	22.46			
15	QPSK	1	37	22.29	22.38	22.42	24	0	
15	QPSK	1	74	22.32	22.51	22.36			
15	QPSK	36	0	21.14	21.50	21.21			
15	QPSK	36	20	21.49	21.28	21.50	23	1	
15	QPSK	36	39	21.27	21.27	21.32			
15	QPSK	75	0	21.29	21.52	21.35			
15	16QAM	1	0	21.29	21.38	21.38	23	1	
15	16QAM	1	37	21.29	21.30	21.30			
15	16QAM	1	74	21.37	21.23	21.36			
15	16QAM	36	0	20.38	20.27	20.47			
15	16QAM	36	20	20.25	20.52	20.35	22	2	
15	16QAM	36	39	20.48	20.40	20.48			
15	16QAM	75	0	20.39	20.35	20.23			
15	64QAM	1	0	20.34	20.39	20.50			
15	64QAM	1	37	20.52	20.41	20.54	22	2	
15	64QAM	1	74	20.44	20.43	20.42			
15	64QAM	36	0	20.41	20.49	20.49			
15	64QAM	36	20	20.44	20.59	20.64	22	2	
15	64QAM	36	39	20.37	20.45	20.51			
15	64QAM	75	0	20.42	20.55	20.44			
Channel									
Frequency (MHz)				20000 <th>20175</th> <th>20300</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	20175	20300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	22.28	22.58	22.57			
10	QPSK	1	25	22.20	22.41	22.27	24	0	
10	QPSK	1	49	22.36	22.36	22.21			
10	QPSK	25	0	21.15	21.38	21.34	23	1	
10	QPSK	25	25	21.20	21.30	21.33			
10	QPSK	50	0	21.25	21.46	21.46			
10	16QAM	1	0	21.19	21.42	21.33			
10	16QAM	1	25	21.33	21.32	21.32	23	1	
10	16QAM	1	49	21.32	21.20	21.29			
10	16QAM	25	0	20.48	20.29	20.49			
10	16QAM	25	12	20.35	20.45	20.46	22	2	
10	16QAM	25	25	20.42	20.45	20.42			
10	16QAM	50	0	20.49	20.38	20.25			
10	64QAM	1	0	20.40	20.31	20.55			
10	64QAM	1	25	20.33	20.51	20.55	22	2	
10	64QAM	1	49	20.52	20.46	20.40			
10	64QAM	25	0	20.41	20.28	20.51			
10	64QAM	25	12	20.33	20.56	20.56	22	2	
10	64QAM	25	25	20.29	20.57	20.63			
10	64QAM	50	0	20.55	20.38	20.53			
Channel									
Frequency (MHz)				1957.5	1971.5	2037.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	22.36	22.45	22.44			
5	QPSK	1	12	22.23	22.29	22.25	24	0	
5	QPSK	1	24	22.26	22.55	22.53			
5	QPSK	12	0	21.23	21.55	21.31			
5	QPSK	12	7	21.51	21.41	21.42	23	1	
5	QPSK	12	13	21.19	21.39	21.44			
5	QPSK	25	0	21.22	21.50	21.36			
5	16QAM	1	0	21.17	21.42	21.40	23	1	
5	16QAM	1	12	21.32	21.27	21.21			
5	16QAM	1	24	21.30	21.13	21.26			
5	16QAM	12	0	20.50	20.46	20.42	22	2	
5	16QAM	12	7	20.35	20.48	20.42			
5	16QAM	12	13	20.57	20.47	20.49			
5	16QAM	25	0	20.42	20.36	20.35			
5	64QAM	1	0	20.37	20.31	20.50			
5	64QAM	1	12	20.43	20.43	20.45	22	2	
5	64QAM	1	24	20.37	20.37	20.45			
5	64QAM	12	0	20.37	20.37	20.45			
5	64QAM	12	7	20.44	20.42	20.46	22	2	
5	64QAM	12	13	20.28	20.65	20.47			
5	64QAM	25	0	20.52	20.53	20.54			
Channel									
Frequency (MHz)				19665 <th>20175</th> <th>20385</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	22.25	22.54	22.50	24	0	
3	QPSK	1	8	22.23	22.46	22.33			
3	QPSK	1	14	22.20	22.42	22.21			
3	QPSK	8	0	21.25	21.45	21.38	23	1	
3	QPSK	8	4	21.37	21.48	21.32			
3	QPSK	8	7	21.35	21.33	21.32			
3	QPSK	15	0	21.27	21.58	21.37			
3	16QAM	1	0	21.18	21.49	21.39	23	1	
3	16QAM	1	8	21.31	21.38	21.31			
3	16QAM	1	14	21.49	21.22	21.31			
3	16QAM	8	0	20.55	20.27	20.41			
3	16QAM	8	4	20.49	20.35	20.25	22	2	
3	16QAM	8	7	20.64	20.28	20.40			
3	16QAM	15	0	20.33	20.34	20.21			
3	64QAM	1	0	20.40	20.50	20.47			
3	64QAM	1	8	20.28	20.57	20.50	22	2	
3	64QAM	1	14	20.35	20.56	20.32			
3	64QAM	8	0	20.43	20.33	20.47			
3	64QAM	8	4	20.28	20.53	20.66	22	2	
3	64QAM	8	7	20.32	20.54	20.61			
3	64QAM	15	0	20.56	20.20	20.42			
Channel									
Frequency (MHz)				1701.7	1732.5	1754.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.26	22.49	22.38	24	0	
1.4	QPSK	1	3	22.24	22.46	22.44			
1.4	QPSK	1	5	22.36	22.46	22.45			
1.4	QPSK	3	0	22.44	22.44	22.54			
1.4	QPSK	3	1	22.27	22.53	22.36	23	1	
1.4	QPSK	3	3	22.24	22.36	22.45			
1.4	QPSK	6	0	21.39	21.48	21.52	23	1	
1.4	16QAM	1	0	21.32	21.43	21.42			
1.4	16QAM	1	3	21.24	21.21	21.24	23	1	
1.4	16QAM	1	5	21.37	21.26	21.24			
1.4	16QAM	3	0	21.17	21.41	21.31			
1.4	16QAM	3	1	21.14	21.39	21.54			
1.4	16QAM	3	3	21.17	21.33	21.21			
1.4	16QAM	6	0	20.29	20.27	20.38	22	2	
1.4	64QAM	1	0	20.45	20.35	20.46			
1.4	64QAM	1	3	20.46	20.65	20.46			
1.4	64QAM	1	5	20.35	20.56	20.44	22	2	
1.4	64QAM	3	0	20.36	20.43	20.48			
1.4	64QAM	3	1	20.47	20.60	20.44			
1.4	64QAM	3	3	20.38	20.54	20.53			
1.4	64QAM	6	0	20.55	20.43	20.51	22	2	

Band 38 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. [Freq.]	Power Middle Co. [Freq.]	Power High Co. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	22.59	22.54	22.51	24	0
20	QPSK	1	49	22.59	22.52	22.44		
20	QPSK	1	99	22.19	22.50	22.39		
20	QPSK	50	0	21.59	21.58	21.43		
20	QPSK	50	24	21.43	21.52	21.48	23	1
20	QPSK	50	50	21.45	21.61	21.53		
20	QPSK	100	0	21.47	21.54	21.45		
20	16QAM	1	0	21.50	21.54	21.61		
20	16QAM	1	49	21.58	21.59	21.41	23	1
20	16QAM	1	99	21.45	21.60	21.41		
20	16QAM	50	0	20.54	20.54	20.55		
20	16QAM	50	24	20.54	20.52	20.49		
20	16QAM	50	50	20.53	20.53	20.58	22	2
20	16QAM	100	0	20.48	20.49	20.40		
20	64QAM	1	0	20.59	20.43	20.56		
20	64QAM	1	49	20.54	20.52	20.50		
20	64QAM	1	99	20.48	20.50	20.48	21	3
20	64QAM	50	0	20.59	20.43	20.57		
20	64QAM	50	24	20.47	20.43	20.44		
20	64QAM	50	50	20.50	20.52	20.39		
20	64QAM	100	0	20.57	20.43	20.54		
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.34	22.46	22.44	24	0
15	QPSK	1	37	22.60	22.29	22.27		
15	QPSK	1	74	22.14	22.31	22.18		
15	QPSK	36	0	21.38	21.49	21.25		
15	QPSK	36	20	21.29	21.34	21.26	23	1
15	QPSK	36	36	21.33	21.52	21.48		
15	QPSK	75	0	21.39	21.50	21.28		
15	16QAM	1	0	21.42	21.34	21.61		
15	16QAM	1	37	21.51	21.59	21.41	23	1
15	16QAM	1	74	21.43	21.56	21.25		
15	16QAM	36	0	20.37	20.53	20.56		
15	16QAM	36	20	20.44	20.38	20.29		
15	16QAM	36	39	20.55	20.33	20.36	22	2
15	16QAM	75	0	20.30	20.39	20.42		
15	64QAM	1	0	20.60	20.29	20.43		
15	64QAM	1	37	20.41	20.52	20.37		
15	64QAM	1	74	20.31	20.48	20.42	21	3
15	64QAM	36	0	20.50	20.43	20.37		
15	64QAM	36	20	20.34	20.44	20.30		
15	64QAM	36	39	20.40	20.40	20.27		
15	64QAM	75	0	20.43	20.26	20.48		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.26	22.41	22.40	24	0
10	QPSK	1	25	22.04	22.22	22.27		
10	QPSK	1	49	22.12	22.33	22.28		
10	QPSK	25	0	21.90	21.60	21.33		
10	QPSK	25	12	21.22	21.35	21.29	23	1
10	QPSK	25	25	21.36	21.57	21.31		
10	QPSK	50	0	21.40	21.39	21.25		
10	16QAM	1	0	21.37	21.51	21.54		
10	16QAM	1	25	21.40	21.57	21.39	23	1
10	16QAM	1	49	21.49	21.54	21.30		
10	16QAM	25	0	20.42	20.47	20.44		
10	16QAM	25	12	20.53	20.42	20.49		
10	16QAM	25	25	20.59	20.44	20.49	22	2
10	16QAM	50	0	20.43	20.32	20.39		
10	64QAM	1	0	20.46	20.24	20.57		
10	64QAM	1	25	20.42	20.40	20.35		
10	64QAM	1	49	20.36	20.56	20.49	22	2
10	64QAM	25	0	20.55	20.25	20.55		
10	64QAM	25	12	20.40	20.40	20.37		
10	64QAM	25	25	20.43	20.37	20.31		
10	64QAM	50	0	20.39	20.28	20.32		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.29	22.36	22.33	24	0
5	QPSK	1	12	22.18	22.22	22.27		
5	QPSK	1	24	22.14	22.35	22.32		
5	QPSK	12	0	21.47	21.53	21.32		
5	QPSK	12	7	21.28	21.43	21.40	23	1
5	QPSK	12	13	21.25	21.48	21.39		
5	QPSK	25	0	21.40	21.44	21.45		
5	16QAM	1	0	21.49	21.44	21.63		
5	16QAM	1	12	21.45	21.60	21.39	23	1
5	16QAM	1	24	21.47	21.46	21.36		
5	16QAM	12	0	20.36	20.50	20.36		
5	16QAM	12	7	20.34	20.48	20.46		
5	16QAM	12	13	20.34	20.32	20.45	22	2
5	16QAM	25	0	20.29	20.37	20.36		
5	64QAM	1	0	20.53	20.35	20.48		
5	64QAM	1	12	20.33	20.36	20.35		
5	64QAM	1	24	20.26	20.60	20.28	22	2
5	64QAM	12	0	20.47	20.26	20.51		
5	64QAM	12	7	20.46	20.27	20.35		
5	64QAM	12	13	20.36	20.40	20.40		
5	64QAM	25	0	20.37	20.40	20.52	21	3

Band 41 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. [F.Chrg.]	Power Low Middle Co. [F.Chrg.]	Power Middle Co. [F.Chrg.]	Power High Middle Co. [F.Chrg.]	Power High Co. [F.Chrg.]	Tune-up limit (dbm)	MPR (db)
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.51	22.37	22.65	22.42	22.55	24	0
20	QPSK	1	49	22.35	22.30	22.45	22.28	22.41		
20	QPSK	1	99	22.32	22.20	22.48	22.53	22.40		
20	QPSK	50	0	21.37	21.58	21.59	21.46	21.48		
20	QPSK	50	24	21.51	21.53	21.51	21.56	21.51	23	1
20	QPSK	50	50	21.55	21.54	21.57	21.56	21.54		
20	QPSK	100	0	21.49	21.53	21.56	21.38	21.46		
20	16QAM	1	0	21.51	21.58	21.40	21.47	21.47		
20	16QAM	1	49	21.51	21.52	21.58	21.38	21.58	23	1
20	16QAM	1	99	21.58	21.55	21.40	21.42	21.61		
20	16QAM	50	0	20.57	20.57	20.50	20.45	20.44		
20	16QAM	50	24	20.52	20.41	20.39	20.47	20.58		
20	16QAM	50	50	20.39	20.41	20.39	20.49	20.40	22	2
20	16QAM	100	0	20.47	20.50	20.38	20.50	20.48		
20	64QAM	1	0	20.57	20.45	20.49	20.62	20.44		
20	64QAM	1	49	20.56	20.51	20.57	20.51	20.57		
20	64QAM	1	99	20.56	20.59	20.40	20.45	20.54	21	3
20	64QAM	50	0	19.55	19.50	19.44	19.40	19.54		
20	64QAM	50	24	19.50	19.53	19.48	19.49	19.48		
20	64QAM	50	50	19.38	19.41	19.47	19.45	19.54		
20	64QAM	100	0	19.38	19.38	19.49	19.55	19.48	Tune-up limit (dbm)	MPR (db)
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.50	22.23	22.47	22.23	22.55	24	0
15	QPSK	1	37	22.28	22.18	22.35	22.27	22.21		
15	QPSK	1	74	22.19	22.19	22.26	22.23	22.21		
15	QPSK	36	0	21.23	21.43	21.43	21.31	21.45		
15	QPSK	36	20	21.45	21.42	21.37	21.40	21.50	23	1
15	64QAM	1	0	21.39	21.56	21.44	21.46	21.42		
15	QPSK	75	0	21.48	21.39	21.45	21.33	21.32		
15	16QAM	1	0	21.43	21.50	21.29	21.29	21.42		
15	16QAM	1	37	21.35	21.45	21.49	21.39	21.50	23	1
15	16QAM	1	74	21.46	21.53	21.23	21.31	21.41		
15	16QAM	36	0	20.55	20.52	20.37	20.28	20.44		
15	16QAM	36	20	20.41	20.39	20.34	20.34	20.41		
15	16QAM	36	39	20.29	20.38	20.29	20.41	20.31	22	2
15	16QAM	75	0	20.28	20.46	20.38	20.44	20.29		
15	64QAM	1	0	20.41	20.26	20.49	20.46	20.28		
15	64QAM	1	37	20.35	20.47	20.56	20.37	20.58	22	2
15	64QAM	1	74	20.39	20.48	20.18	20.38	20.47		
15	64QAM	36	0	19.36	19.34	19.37	19.41	19.36		
15	64QAM	36	20	19.32	19.42	19.40	19.44	19.40		
15	64QAM	36	39	19.36	19.40	19.35	19.26	19.41	21	3
15	64QAM	75	0	19.35	19.16	19.48	19.36	19.49		
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.51	20.47	20.93	20.93	20.65	Tune-up limit (dbm)	MPR (db)
10	QPSK	1	0	22.48	22.23	22.67	22.27	22.26	24	0
10	QPSK	1	25	22.16	22.16	22.26	22.28	22.27		
10	QPSK	1	49	22.17	22.14	22.40	22.34	22.33		
10	QPSK	25	0	21.25	21.51	21.38	21.38	21.43		
10	QPSK	25	12	21.41	21.41	21.40	21.40	21.37	23	1
10	QPSK	25	25	21.49	21.42	21.53	21.36	21.43		
10	16QAM	1	0	21.50	21.35	21.37	21.23	21.44		
10	16QAM	1	25	21.50	21.40	21.32	21.48	21.25		
10	16QAM	1	25	21.33	21.44	21.44	21.30	21.55	23	1
10	16QAM	1	49	21.52	21.45	21.35	21.30	21.51		
10	16QAM	25	0	20.50	20.58	20.49	20.30	20.53		
10	16QAM	25	12	20.48	20.37	20.48	20.36	20.52		
10	16QAM	25	25	20.31	20.30	20.20	20.30	20.22	22	2
10	16QAM	50	0	20.29	20.45	20.21	20.41	20.42		
10	16QAM	50	12	20.49	20.39	20.38	20.55	20.58		
10	16QAM	50	25	20.58	20.49	20.40	20.36	20.51		
10	64QAM	1	0	20.57	20.53	20.37	20.37	20.56	22	2
10	64QAM	1	49	20.48	20.48	20.36	20.36	20.53		
10	64QAM	25	12	19.44	19.35	19.42	19.27	19.31		
10	64QAM	25	25	19.19	19.20	19.30	19.25	19.50		
10	64QAM	50	0	19.39	19.30	19.42	19.51	19.28	Tune-up limit (dbm)	MPR (db)
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.46	20.43	20.93	20.43	20.67	Tune-up limit (dbm)	MPR (db)
5	QPSK	1	12	22.23	22.21	22.65	22.27	22.36	24	0
5	QPSK	1	24	22.19	22.21	22.45	22.30	22.34		
5	QPSK	12	0	21.24	21.52	21.55	21.30	21.45		
5	QPSK	12	6	21.38	21.42	21.37	21.42	21.32		
5	QPSK	12	13	21.55	21.42	21.41	21.38	21.42	23	1
5	QPSK	12	0	21.36	21.39	21.42	21.26	21.29		
5	16QAM	1	0	21.48	21.36	21.29	21.32	21.26		
5	16QAM	1	12	21.35	21.45	21.42	21.36	21.30		
5	16QAM	1	24	20.38	20.36	21.39	21.29	21.47	23	1
5	16QAM	12	0	20.43	20.30	20.31	20.31	20.37		
5	16QAM	12	7	20.35	20.30	20.38	20.41	20.46		
5	16QAM	12	13	20.18	20.36	20.35	20.32	20.32		
5	64QAM	1	0	20.52	20.47	20.36	20.36	20.54	22	2
5	64QAM	1	0	20.59	20.42	20.41	20.47	20.31		
5	64QAM	1	12	20.45	20.30	20.37	20.47	20.45		
5	64QAM	1	24	20.39	20.44	20.30	20.44	20.44		
5	64QAM	12	0	19.35	19.29	19.29	19.30	19.39	21	3
5	64QAM	12	7	19.35	19.37	19.46	19.36	19.37		
5	64QAM	12	13	19.26	19.26	19.30	19.32	19.46		
5	64QAM	12	19	19.23	19.31	19.42	19.38	19.34		

Band 42 FCC Part27Q									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	21	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.56	19.62	19.55	21	0	
20	QPSK	1	49	19.55	19.53	19.53			
20	QPSK	1	99	19.45	19.50	19.52			
20	QPSK	50	0	19.53	19.58	19.46	21	0	
20	QPSK	50	24	19.51	19.54	19.44			
20	QPSK	50	50	19.42	19.45	19.44			
20	QPSK	100	0	19.48	19.54	19.45	21	0	
20	16QAM	1	0	19.53	19.55	19.56			
20	16QAM	1	49	19.59	19.49	19.55			
20	16QAM	1	99	19.49	19.50	19.44	21	0	
20	16QAM	50	0	19.56	19.44	19.45			
20	16QAM	50	24	19.41	19.61	19.53			
20	16QAM	50	50	19.42	19.47	19.48	21	0	
20	16QAM	100	0	19.47	19.54	19.59			
20	64QAM	1	0	19.48	19.61	19.50			
20	64QAM	1	49	19.46	19.49	19.41	21	0	
20	64QAM	1	99	19.53	19.56	19.43			
20	64QAM	50	0	19.47	19.51	19.58			
20	64QAM	50	24	19.49	19.53	19.51	21	0	
20	64QAM	50	50	19.48	19.46	19.45			
20	64QAM	100	0	19.58	19.51	19.35			
Channel				42165	42590	43015	21	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.47	19.52	19.46	21	0	
15	QPSK	1	37	19.45	19.39	19.41			
15	QPSK	1	74	19.37	19.43	19.39			
15	QPSK	36	0	19.45	19.43	19.33	21	0	
15	QPSK	36	20	19.43	19.42	19.33			
15	QPSK	36	39	19.30	19.36	19.34			
15	QPSK	75	0	19.37	19.39	19.36	21	0	
15	16QAM	1	0	19.40	19.44	19.49			
15	16QAM	1	37	19.53	19.41	19.42			
15	16QAM	1	74	19.37	19.38	19.31	21	0	
15	16QAM	36	0	19.49	19.31	19.37			
15	16QAM	36	20	19.30	19.48	19.46			
15	16QAM	36	39	19.31	19.35	19.35	21	0	
15	16QAM	75	0	19.32	19.45	19.51			
15	64QAM	1	0	19.37	19.49	19.39			
15	64QAM	1	37	19.31	19.40	19.32	21	0	
15	64QAM	1	74	19.47	19.45	19.34			
15	64QAM	36	0	19.37	19.43	19.51			
15	64QAM	36	20	19.40	19.39	19.44	21	0	
15	64QAM	36	39	19.42	19.39	19.37			
15	64QAM	75	0	19.46	19.38	19.26			
Channel				42140	42590	43040	21	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	19.49	19.54	19.46	21	0	
10	QPSK	1	25	19.43	19.48	19.45			
10	QPSK	1	49	19.32	19.37	19.37			
10	QPSK	25	0	19.39	19.50	19.41	21	0	
10	QPSK	25	12	19.42	19.42	19.38			
10	QPSK	25	25	19.37	19.34	19.37			
10	QPSK	50	0	19.41	19.47	19.37	21	0	
10	16QAM	1	0	19.43	19.44	19.48			
10	16QAM	1	25	19.50	19.43	19.50			
10	16QAM	1	49	19.40	19.36	19.30	21	0	
10	16QAM	25	0	19.42	19.30	19.35			
10	16QAM	25	12	19.30	19.51	19.41			
10	16QAM	25	25	19.33	19.35	19.41	21	0	
10	16QAM	50	0	19.39	19.41	19.49			
10	64QAM	1	0	19.34	19.46	19.43			
10	64QAM	1	25	19.32	19.36	19.30	21	0	
10	64QAM	1	49	19.41	19.51	19.36			
10	64QAM	25	0	19.39	19.41	19.50			
10	64QAM	25	12	19.36	19.44	19.46	21	0	
10	64QAM	25	25	19.37	19.39	19.33			
10	64QAM	50	0	19.62	19.44	19.27			
Channel				42115	42590	43065	21	0	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.50	19.55	19.40	21	0	
5	QPSK	1	12	19.40	19.48	19.45			
5	QPSK	1	24	19.35	19.38	19.38			
5	QPSK	12	0	19.39	19.50	19.41	21	0	
5	QPSK	12	7	19.43	19.40	19.33			
5	QPSK	12	13	19.28	19.35	19.38			
5	QPSK	25	0	19.39	19.46	19.30	21	0	
5	16QAM	1	0	19.41	19.40	19.44			
5	16QAM	1	12	19.50	19.41	19.43			
5	16QAM	1	24	19.41	19.38	19.37	21	0	
5	16QAM	12	0	19.48	19.31	19.33			
5	16QAM	12	7	19.30	19.48	19.42			
5	16QAM	12	13	19.33	19.40	19.34	21	0	
5	16QAM	25	0	19.39	19.44	19.53			
5	64QAM	1	0	19.35	19.54	19.39			
5	64QAM	1	12	19.33	19.42	19.34	21	0	
5	64QAM	1	24	19.44	19.43	19.30			
5	64QAM	12	0	19.34	19.39	19.44			
5	64QAM	12	7	19.41	19.48	19.44	21	0	
5	64QAM	12	13	19.40	19.40	19.39			
5	64QAM	25	0	19.44	19.36	19.21			

GSM850 Ant 4		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		824.2	836.4	848.6	
GSM 1 Tx slot		32.52	32.23	32.21	33.50	23.52	23.23	23.21	24.50
GPRS 1 Tx slot		32.50	32.20	32.17	33.50	23.50	23.20	23.17	24.50
GPRS 2 Tx slots		30.49	30.12	30.10	31.50	24.49	24.12	24.10	25.50
GPRS 3 Tx slots		28.91	28.50	28.53	30.00	24.65	24.24	24.27	25.74
GPRS 4 Tx slots		27.84	27.86	27.60	29.00	24.84	24.86	24.60	26.00

GSM1900 Ant 4		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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		25.99	25.70	25.91	27.00	16.99	16.70	16.91	18.00
GPRS 1 Tx slot		25.98	25.66	25.88	27.00	16.98	16.66	16.88	18.00
GPRS 2 Tx slots		23.94	23.59	23.67	25.00	17.94	17.59	17.67	19.00
GPRS 3 Tx slots		22.52	22.57	22.49	24.00	18.26	18.31	18.23	19.74
GPRS 4 Tx slots		20.48	20.41	20.31	22.00	17.48	17.41	17.31	19.00

Band		WCDMA V Ant 4			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4351	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps		21.17	21.33	21.29	23.00
3GPP Rel 99 RMC 12.2Kbps		21.35	21.37	21.25	23.00
3GPP Rel 6 HSDPA Subtest-1		20.30	20.36	20.43	22.00
3GPP Rel 6 HSDPA Subtest-2		20.41	20.38	20.36	22.00
3GPP Rel 6 HSDPA Subtest-3		19.90	19.93	19.71	21.50
3GPP Rel 6 HSDPA Subtest-4		19.89	19.89	19.87	21.50
3GPP Rel 6 HSUPA Subtest-1		20.42	20.34	20.41	22.00
3GPP Rel 6 HSUPA Subtest-2		19.33	19.25	19.39	20.00
3GPP Rel 6 HSUPA Subtest-3		19.30	19.21	19.38	21.00
3GPP Rel 6 HSUPA Subtest-4		18.16	18.45	18.20	20.00
3GPP Rel 6 HSUPA Subtest-5		20.08	20.22	20.31	22.00

Band 2 Ant 4												
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												
Frequency (MHz)												
20	QPSK	1	0	18.54	18.57	18.47	20	0				
20	QPSK	1	49	18.48	18.47	18.44						
20	QPSK	1	99	18.39	18.46	18.48						
20	QPSK	50	0	18.50	18.52	18.41						
20	QPSK	50	24	18.45	18.46	18.37	20	0				
20	QPSK	50	50	18.36	18.37	18.39						
20	QPSK	100	0	18.40	18.45	18.41						
20	16QAM	1	0	18.48	18.49	18.53						
20	16QAM	1	49	18.48	18.45	18.50	20	0				
20	16QAM	1	99	18.40	18.43	18.40						
20	16QAM	50	0	18.50	18.37	18.37						
20	16QAM	50	24	18.35	18.51	18.46						
20	16QAM	50	50	18.37	18.43	18.43	20	0				
20	16QAM	100	0	18.44	18.48	18.55						
20	64QAM	1	0	18.45	18.56	18.49						
20	64QAM	1	49	18.44	18.40	18.38						
20	64QAM	1	99	18.50	18.47	18.35	20	0				
20	64QAM	50	0	18.25	18.40	18.34						
20	64QAM	50	24	18.16	18.28	18.13						
20	64QAM	50	50	18.33	18.41	18.34						
20	64QAM	100	0	18.41	18.51	18.37	20	0				
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.43	18.52	18.33	20	0				
15	QPSK	1	37	18.34	18.38	18.37						
15	QPSK	1	74	18.27	18.37	18.35						
15	QPSK	36	0	18.37	18.44	18.34						
15	QPSK	36	20	18.31	18.33	18.29	20	0				
15	QPSK	36	39	18.23	18.29	18.30						
15	QPSK	75	0	18.34	18.34	18.33						
15	16QAM	1	0	18.35	18.36	18.47						
15	16QAM	1	37	18.36	18.31	18.43	20	0				
15	16QAM	1	74	18.31	18.30	18.31						
15	16QAM	36	0	18.38	18.27	18.25						
15	16QAM	36	20	18.24	18.46	18.40						
15	16QAM	36	39	18.31	18.31	18.31	20	0				
15	16QAM	75	0	18.35	18.39	18.42						
15	64QAM	1	0	18.31	18.41	18.40						
15	64QAM	1	37	18.35	18.26	18.32						
15	64QAM	1	74	18.37	18.38	18.25	20	0				
15	64QAM	36	0	18.13	18.25	18.31						
15	64QAM	36	20	18.14	18.10	18.02						
15	64QAM	36	39	18.29	18.29	18.21						
15	64QAM	75	0	18.37	18.40	18.24	20	0				
Channel												
Frequency (MHz)												
10	QPSK	1	0	18.40	18.51	18.39	20	0				
10	QPSK	1	25	18.42	18.33	18.38						
10	QPSK	1	49	18.31	18.38	18.37						
10	QPSK	25	0	18.42	18.42	18.29						
10	QPSK	25	12	18.31	18.38	18.26	20	0				
10	QPSK	25	25	18.26	18.29	18.33						
10	QPSK	50	0	18.26	18.31	18.30						
10	16QAM	1	0	18.39	18.39	18.42						
10	16QAM	1	25	18.41	18.32	18.45	20	0				
10	16QAM	1	49	18.31	18.30	18.32						
10	16QAM	25	0	18.35	18.26	18.30						
10	16QAM	25	12	18.21	18.42	18.40						
10	16QAM	25	25	18.23	18.29	18.34	20	0				
10	16QAM	50	0	18.31	18.38	18.43						
10	64QAM	1	0	18.40	18.49	18.35						
10	64QAM	1	25	18.37	18.34	18.26						
10	64QAM	1	49	18.37	18.40	18.27	20	0				
10	64QAM	25	0	18.11	18.37	18.25						
10	64QAM	25	12	18.12	18.14	18.06						
10	64QAM	25	25	18.24	18.28	18.17						
10	64QAM	50	0	18.28	18.42	18.32	20	0				
Channel												
Frequency (MHz)												
5	QPSK	1	0	18.40	18.50	18.34	20	0				
5	QPSK	1	12	18.39	18.38	18.31						
5	QPSK	1	24	18.28	18.35	18.39						
5	QPSK	12	0	18.44	18.46	18.30						
5	QPSK	12	7	18.39	18.36	18.25	20	0				
5	QPSK	12	13	18.24	18.27	18.32						
5	QPSK	25	0	18.29	18.38	18.28						
5	16QAM	1	0	18.41	18.42	18.45						
5	16QAM	1	12	18.40	18.32	18.38	20	0				
5	16QAM	1	24	18.28	18.34	18.28						
5	16QAM	12	0	18.44	18.27	18.24						
5	16QAM	12	7	18.28	18.40	18.31						
5	16QAM	12	13	18.28	18.34	18.34	20	0				
5	16QAM	25	0	18.33	18.35	18.45						
5	64QAM	1	0	18.40	18.51	18.36						
5	64QAM	1	12	18.38	18.27	18.24						
5	64QAM	1	24	18.41	18.35	18.26	20	0				
5	64QAM	12	0	18.16	18.28	18.21						
5	64QAM	12	7	18.14	18.20	18.04						
5	64QAM	12	13	18.23	18.27	18.24						
5	64QAM	25	0	18.33	18.41	18.24	20	0				
Channel												
Frequency (MHz)												
3	QPSK	1	0	18.41	18.50	18.35	20	0				
3	QPSK	1	8	18.34	18.33	18.29						
3	QPSK	1	14	18.25	18.32	18.41						
3	QPSK	8	0	18.44	18.44	18.28						
3	QPSK	8	4	18.33	18.33	18.29	20	0				
3	QPSK	8	7	18.21	18.24	18.29						
3	QPSK	15	0	18.28	18.36	18.28						
3	16QAM	1	0	18.33	18.42	18.44						
3	16QAM	1	8	18.34	18.31	18.37	20	0				
3	16QAM	1	14	18.34	18.36	18.34						
3	16QAM	8	0	18.41	18.26	18.23						
3	16QAM	8	4	18.24	18.37	18.40						
3	16QAM	8	7	18.29	18.29	18.33	20	0				
3	16QAM	15	0	18.37	18.40	18.50						
3	64QAM	1	0	18.34	18.45	18.38						
3	64QAM	1	8	18.34	18.27	18.30						
3	64QAM	1	14	18.42	18.33	18.26	20	0				
3	64QAM	8	0	18.21	18.26	18.18						
3	64QAM	8	4	18.04	18.11	18.10						
3	64QAM	8	7	18.25	18.38	18.23						
3	64QAM	15	0	18.26	18.36	18.34	20	0				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	18.45	18.43	18.40	20	0				
1.4	QPSK	1	3	18.38	18.40	18.32						
1.4	QPSK	1	5	18.25	18.33	18.42						
1.4	QPSK	3	0	18.44	18.41	18.27						
1.4	QPSK	3	1	18.38	18.35	18.24	20	0				
1.4	QPSK	3	3	18.30	18.29	18.34						
1.4	QPSK	6	0	18.28	18.30	18.27						
1.4	16QAM	1	0	18.36	18.40	18.44						
1.4	16QAM	1	3	18.14	18.36	18.38	20	0				
1.4	16QAM	1	5	18.30	18.33	18.32						
1.4	16QAM	3	0	18.42	18.31	18.30						
1.4	16QAM	3	1	18.20	18.38	18.33						
1.4	16QAM	3	3	18.25	18.38	18.38	20	0				
1.4	16QAM	6	0	18.38	18.38	18.47						
1.4	64QAM	1	0	18.34	18.43	18.42						
1.4	64QAM	1	3	18.31	18.30	18.33						
1.4	64QAM	1	5	18.38	18.35	18.35	20	0				
1.4	64QAM	3	0	18.39	18.48	18.32						
1.4	64QAM	3	1	18.31	18.29	18.24						
1.4	64QAM	3	3	18.42	18.36	18.23						
1.4	64QAM	6	0	18.08	18.29	18.16	20	0				

Band 7 Ant 4									
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				20950	21100	21350			
Frequency (MHz)				20950	21100	21350			
20	QPSK	1	0	16.96	16.92	16.95			
20	QPSK	1	49	16.90	16.97	16.89	18.5	0	
20	QPSK	1	99	16.85	16.93	16.93			
20	QPSK	50	0	16.90	16.96	16.87			
20	QPSK	50	24	16.89	16.93	16.86	18.5	0	
20	QPSK	50	50	16.82	16.80	16.81			
20	QPSK	100	0	16.84	16.89	16.82			
20	16QAM	1	0	16.93	16.92	16.98			
20	16QAM	1	49	16.94	16.92	16.90	18.5	0	
20	16QAM	1	99	16.89	16.91	16.87			
20	16QAM	50	0	16.99	16.85	16.83			
20	16QAM	50	24	16.83	17.01	16.93	18.5	0	
20	16QAM	50	50	16.85	16.86	16.87			
20	16QAM	100	0	16.88	16.91	16.99			
20	64QAM	1	0	16.86	16.97	16.94			
20	64QAM	1	49	16.87	16.85	16.78	18.5	0	
20	64QAM	1	99	16.97	16.92	16.85			
20	64QAM	50	0	16.93	16.90	16.96			
20	64QAM	50	24	16.88	16.92	16.90	18.5	0	
20	64QAM	50	50	16.84	16.89	16.83			
20	64QAM	100	0	16.96	16.92	16.80			
Channel				20825	21375		Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.87	16.95	16.84			
15	QPSK	1	37	16.84	16.82	16.78	18.5	0	
15	QPSK	1	74	16.75	16.82	16.79			
15	QPSK	36	0	16.77	16.87	16.74			
15	QPSK	36	20	16.75	16.79	16.74	18.5	0	
15	QPSK	36	39	16.74	16.69	16.71			
15	QPSK	75	0	16.76	16.80	16.68			
15	16QAM	1	0	16.81	16.82	16.86			
15	16QAM	1	37	16.88	16.82	16.82	18.5	0	
15	16QAM	1	74	16.84	16.82	16.77			
15	16QAM	36	0	16.93	16.75	16.71			
15	16QAM	36	20	16.79	16.85	16.88	18.5	0	
15	16QAM	36	39	16.77	16.72	16.77			
15	16QAM	75	0	16.80	16.83	16.92			
15	64QAM	1	0	16.74	16.89	16.80			
15	64QAM	1	37	16.77	16.73	16.73	18.5	0	
15	64QAM	1	74	16.90	16.85	16.71			
15	64QAM	36	0	16.87	16.80	16.85			
15	64QAM	36	20	16.73	16.87	16.75	18.5	0	
15	64QAM	36	39	16.73	16.82	16.89			
15	64QAM	75	0	16.85	16.78	16.74			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	16.85	16.96	16.80			
10	QPSK	1	25	16.76	16.86	16.81	18.5	0	
10	QPSK	1	49	16.78	16.79	16.83			
10	QPSK	25	0	16.82	16.84	16.74			
10	QPSK	25	12	16.78	16.81	16.75	18.5	0	
10	QPSK	25	25	16.74	16.69	16.70			
10	QPSK	50	0	16.71	16.74	16.70			
10	16QAM	1	0	16.87	16.82	16.88	18.5	0	
10	16QAM	1	25	16.88	16.79	16.76			
10	16QAM	1	49	16.79	16.79	16.81			
10	16QAM	25	0	16.85	16.78	16.74	18.5	0	
10	16QAM	25	12	16.74	16.88	16.85			
10	16QAM	25	25	16.78	16.77	16.75			
10	16QAM	50	0	16.82	16.86	16.85			
10	64QAM	1	0	16.75	16.86	16.81	18.5	0	
10	64QAM	1	25	16.79	16.71	16.69			
10	64QAM	1	49	16.91	16.77	16.71			
10	64QAM	25	0	16.79	16.82	16.90			
10	64QAM	25	12	16.77	16.80	16.78	18.5	0	
10	64QAM	25	25	16.74	16.78	16.77			
10	64QAM	50	0	16.86	16.86	16.73			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.89	16.96	16.86	18.5	0	
5	QPSK	1	12	16.81	16.91	16.75			
5	QPSK	1	24	16.75	16.79	16.86			
5	QPSK	12	0	16.75	16.81	16.75	18.5	0	
5	QPSK	12	7	16.78	16.81	16.78			
5	QPSK	12	13	16.73	16.69	16.74			
5	QPSK	25	0	16.79	16.76	16.71			
5	16QAM	1	0	16.88	16.82	16.89	18.5	0	
5	16QAM	1	12	16.83	16.86	16.81			
5	16QAM	1	24	16.77	16.79	16.78			
5	16QAM	12	0	16.85	16.75	16.75	18.5	0	
5	16QAM	12	7	16.74	16.95	16.90			
5	16QAM	12	13	16.79	16.79	16.78			
5	16QAM	25	0	16.76	16.82	16.94			
5	64QAM	1	0	16.79	16.90	16.81	18.5	0	
5	64QAM	1	12	16.81	16.76	16.71			
5	64QAM	1	24	16.88	16.78	16.73			
5	64QAM	12	0	16.83	16.84	16.89	18.5	0	
5	64QAM	12	7	16.79	16.84	16.78			
5	64QAM	12	13	16.74	16.77	16.72			
5	64QAM	25	0	16.84	16.83	16.73			

Band 12 Ant 4									
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	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.79	22.95	22.87	24	0	
10	QPSK	1	25	22.54	22.86	22.51			
10	QPSK	1	49	22.71	22.84	22.70			
10	QPSK	25	0	21.79	21.93	21.83	23	1	
10	QPSK	25	12	21.83	21.88	21.73			
10	QPSK	25	25	21.82	21.90	21.76			
10	QPSK	50	0	21.77	21.91	21.76	23	1	
10	16QAM	1	0	21.82	21.88	21.76			
10	16QAM	1	25	21.70	21.76	21.61			
10	16QAM	1	49	21.80	21.91	21.75	22	2	
10	16QAM	25	0	20.90	20.98	20.85			
10	16QAM	25	12	20.88	21.01	20.95			
10	16QAM	25	25	20.82	20.89	20.78	21	3	
10	16QAM	50	0	20.91	20.97	20.86			
10	64QAM	1	0	21.30	21.41	21.31			
10	64QAM	1	25	21.23	21.34	21.25	22	2	
10	64QAM	1	49	21.31	21.39	21.27			
10	64QAM	25	0	19.87	19.98	19.87			
10	64QAM	25	12	19.95	20.02	19.87	21	3	
10	64QAM	25	25	19.89	19.99	19.89			
10	64QAM	50	0	19.83	19.94	19.88			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.64	22.82	22.75	24	0	
5	QPSK	1	12	22.39	22.57	22.43			
5	QPSK	1	24	22.64	22.77	22.61			
5	QPSK	12	0	21.74	21.82	21.70	23	1	
5	QPSK	12	7	21.77	21.81	21.69			
5	QPSK	12	13	21.69	21.81	21.64			
5	QPSK	25	0	21.68	21.84	21.69	23	1	
5	16QAM	1	0	21.67	21.78	21.70			
5	16QAM	1	12	21.59	21.66	21.47			
5	16QAM	1	24	21.72	21.83	21.68	22	2	
5	16QAM	12	0	20.84	20.83	20.78			
5	16QAM	12	7	20.73	20.82	20.81			
5	16QAM	12	13	20.72	20.82	20.82	21	3	
5	16QAM	25	0	20.82	20.84	20.77			
5	64QAM	1	0	21.16	21.32	21.26			
5	64QAM	1	12	21.16	21.21	21.12	22	2	
5	64QAM	1	24	21.18	21.30	21.13			
5	64QAM	12	0	19.76	19.89	19.74			
5	64QAM	12	7	19.83	19.94	19.78	21	3	
5	64QAM	12	13	19.78	19.88	19.80			
5	64QAM	25	0	19.69	19.80	19.74			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.73	22.82	22.78	24	0	
3	QPSK	1	8	22.42	22.55	22.41			
3	QPSK	1	14	22.58	22.73	22.58			
3	QPSK	8	0	21.72	21.81	21.75	23	1	
3	QPSK	8	4	21.72	21.73	21.64			
3	QPSK	8	7	21.76	21.83	21.66			
3	QPSK	15	0	21.62	21.86	21.69	23	1	
3	16QAM	1	0	21.69	21.80	21.68			
3	16QAM	1	8	21.59	21.62	21.49			
3	16QAM	1	14	21.70	21.85	21.64	22	2	
3	16QAM	8	0	20.81	20.86	20.76			
3	16QAM	8	4	20.78	20.94	20.86			
3	16QAM	8	7	20.67	20.83	20.71	22	2	
3	16QAM	15	0	20.82	20.88	20.79			
3	64QAM	1	0	21.22	21.26	21.25			
3	64QAM	1	8	21.08	21.23	21.11	21	3	
3	64QAM	1	14	21.21	21.27	21.19			
3	64QAM	8	0	19.79	19.91	19.76			
3	64QAM	8	4	19.82	19.89	19.82	21	3	
3	64QAM	8	7	19.76	19.87	19.81			
3	64QAM	15	0	19.74	19.87	19.74			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.66	22.87	22.74	24	0	
1.4	QPSK	1	3	22.44	22.53	22.40			
1.4	QPSK	1	5	22.59	22.73	22.57			
1.4	QPSK	3	0	22.71	22.86	22.81	23	1	
1.4	QPSK	3	1	22.43	22.61	22.44			
1.4	QPSK	3	3	22.60	22.73	22.65			
1.4	QPSK	6	0	21.69	21.82	21.74	22	2	
1.4	16QAM	1	0	21.76	21.78	21.58			
1.4	16QAM	1	3	21.71	21.78	21.58			
1.4	16QAM	1	5	21.69	21.78	21.64	23	1	
1.4	16QAM	3	0	21.67	21.81	21.67			
1.4	16QAM	3	1	21.59	21.69	21.53			
1.4	16QAM	3	3	21.70	21.83	21.73	22	2	
1.4	16QAM	6	0	20.82	20.87	20.71			
1.4	64QAM	1	0	20.75	20.96	20.87			
1.4	64QAM	1	3	20.75	20.80	20.67	22	2	
1.4	64QAM	1	5	20.86	20.86	20.72			
1.4	64QAM	3	0	21.20	21.32	21.22			
1.4	64QAM	3	1	21.15	21.27	21.18	21	3	
1.4	64QAM	3	3	21.17	21.25	21.19			
1.4	64QAM	6	0	19.78	19.89	19.78			



Band 38 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3760	3600	3610	19.5	0
20	QPSK	1	0	17.58	18.01	17.53		
20	QPSK	1	49	17.58	17.85	17.85		
20	QPSK	1	99	17.84	17.54	17.52		
20	QPSK	50	24	17.94	17.97	17.94		
20	QPSK	50	50	17.87	17.83	17.82		
20	QPSK	50	75	17.82	17.85	17.84		
20	QPSK	100	0	17.85	17.92	17.82		
20	16QAM	1	0	17.97	17.91	17.96		
20	16QAM	1	49	17.93	17.89	17.94		
20	16QAM	1	99	17.89	17.91	17.86		
20	16QAM	50	0	17.96	17.86	17.84		
20	16QAM	50	24	17.91	17.92	17.93		
20	16QAM	50	50	17.82	17.87	17.87		
20	16QAM	100	0	17.88	17.91	17.91		
20	64QAM	1	0	17.89	17.85	17.94		
20	64QAM	1	49	17.89	17.88	17.77		
20	64QAM	1	99	17.93	17.96	17.81		
20	64QAM	50	0	17.96	17.87	17.83		
20	64QAM	50	24	17.90	17.67	17.53		
20	64QAM	50	50	17.83	17.62	17.57		
20	64QAM	100	0	17.61	17.74	17.68		
Channel								
Frequency (MHz)				2577.5	2565	2615.5	19.5	0
15	QPSK	1	0	17.88	17.96	17.83		
15	QPSK	1	37	17.81	17.80	17.87		
15	QPSK	1	74	17.74	17.79	17.87		
15	QPSK	36	0	17.86	17.87	17.76		
15	QPSK	36	20	17.77	17.80	17.70		
15	QPSK	36	37	17.68	17.79	17.69		
15	QPSK	75	0	17.72	17.83	17.74		
15	16QAM	1	0	17.86	17.83	17.84		
15	16QAM	1	37	17.85	17.76	17.77		
15	16QAM	1	74	17.78	17.76	17.77		
15	16QAM	36	0	17.85	17.77	17.78		
15	16QAM	36	20	17.67	17.85	17.80		
15	16QAM	36	39	17.76	17.81	17.82		
15	16QAM	75	0	17.78	17.77	17.89		
15	64QAM	1	0	17.74	17.87	17.81		
15	64QAM	1	37	17.83	17.80	17.84		
15	64QAM	1	74	17.86	17.88	17.71		
15	64QAM	36	0	17.81	17.64	17.63		
15	64QAM	36	20	17.74	17.77	17.65		
15	64QAM	36	39	17.57	17.66	17.56		
15	64QAM	75	0	17.59	17.75	17.72		
Channel								
Frequency (MHz)				2577.5	2565	2615	19.5	0
10	QPSK	1	0	17.85	17.94	17.86		
10	QPSK	1	25	17.81	17.90	17.86		
10	QPSK	1	49	17.76	17.83	17.83		
10	QPSK	25	0	17.81	17.83	17.77		
10	QPSK	25	12	17.77	17.83	17.75		
10	QPSK	25	25	17.72	17.70	17.73		
10	QPSK	50	0	17.73	17.83	17.70		
10	16QAM	1	0	17.87	17.81	17.88		
10	16QAM	1	25	17.79	17.78	17.82		
10	16QAM	1	49	17.81	17.79	17.71		
10	16QAM	25	0	17.91	17.72	17.76		
10	16QAM	25	12	17.74	17.80	17.82		
10	16QAM	25	25	17.69	17.76	17.80		
10	16QAM	50	0	17.75	17.80	17.86		
10	64QAM	1	0	17.77	17.83	17.82		
10	64QAM	1	25	17.81	17.74	17.64		
10	64QAM	1	49	17.86	17.91	17.71		
10	64QAM	25	0	17.82	17.67	17.53		
10	64QAM	25	12	17.70	17.76	17.72		
10	64QAM	25	25	17.51	17.66	17.59		
10	64QAM	50	0	17.58	17.78	17.72		
Channel								
Frequency (MHz)				3777.5	3600	3626.5	19.5	0
5	QPSK	1	0	17.88	17.92	17.86		
5	QPSK	1	12	17.84	17.86	17.85		
5	QPSK	1	24	17.72	17.85	17.86		
5	QPSK	12	0	17.83	17.85	17.75		
5	QPSK	12	7	17.84	17.78	17.73		
5	QPSK	12	13	17.76	17.72	17.70		
5	QPSK	25	0	17.76	17.82	17.72		
5	16QAM	1	0	17.87	17.77	17.82		
5	16QAM	1	12	17.79	17.82	17.86		
5	16QAM	1	24	17.82	17.77	17.75		
5	16QAM	12	0	17.85	17.76	17.76		
5	16QAM	12	7	17.72	17.87	17.86		
5	16QAM	12	13	17.75	17.81	17.74		
5	16QAM	25	0	17.79	17.84	17.83		
5	64QAM	1	0	17.80	17.83	17.85		
5	64QAM	1	12	17.76	17.72	17.70		
5	64QAM	1	24	17.81	17.80	17.59		
5	64QAM	12	0	17.60	17.68	17.62		
5	64QAM	12	7	17.68	17.80	17.65		
5	64QAM	12	13	17.63	17.66	17.60		
5	64QAM	25	0	17.58	17.77	17.69		

Band 41 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. [Frac]	Power Low-Mid Co. [Frac]	Power Mid-High Co. [Frac]	Power High Co. [Frac]	Time-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	18.03	18.02	18.08	17.96	17.95	19.5	0
20	QPSK	1	49	17.87	17.99	18.00	17.95	17.94		
20	QPSK	1	99	17.90	17.87	17.97	17.95	18.01		
20	QPSK	50	0	17.95	17.96	17.98	17.87	17.87		
20	QPSK	50	24	17.95	17.92	17.82	17.88	17.86		
20	QPSK	50	50	17.86	17.86	17.87	17.89	17.90		
20	QPSK	100	0	17.92	17.91	17.93	17.88	17.87		
20	16QAM	1	0	17.99	18.02	17.97	18.00	18.00		
20	16QAM	1	49	18.02	18.04	17.96	17.97	17.98		
20	16QAM	1	99	17.91	17.89	17.93	17.94	17.89		
20	16QAM	50	0	18.01	18.01	17.89	17.87	17.86		
20	16QAM	50	24	17.91	17.89	18.04	18.00	18.00		
20	16QAM	50	50	17.90	17.88	17.93	17.95	17.95		
20	16QAM	100	0	17.92	17.94	17.87	18.07	18.02		
20	64QAM	1	0	17.91	17.95	18.05	17.99	17.97		
20	64QAM	1	49	17.95	17.91	17.92	17.82	17.83		
20	64QAM	1	99	18.01	18.01	18.00	17.88	17.87		
20	64QAM	50	0	17.83	17.86	17.97	17.82	17.87		
20	64QAM	50	24	17.80	17.83	17.88	17.81	17.75		
20	64QAM	50	50	17.81	17.83	17.93	17.79	17.86		
20	64QAM	100	0	17.74	17.74	17.81	17.68	17.73		
Channel										
Frequency (MHz)				2503.5	2548.3	2593	2637.9	2682.5	Time-up limit (dBm)	MPR (dB)
15	QPSK	1	0	17.96	17.88	18.00	17.90	17.86	20	0
15	QPSK	1	37	17.82	17.83	17.88	17.83	17.85		
15	QPSK	1	74	17.76	17.72	17.90	17.81	17.89		
15	QPSK	36	0	17.88	17.82	17.85	17.76	17.73		
15	QPSK	36	20	17.81	17.80	17.79	17.78	17.74		
15	QPSK	36	36	17.75	17.80	17.76	17.80	17.80		
15	QPSK	75	0	17.78	17.83	17.85	17.79	17.75		
15	16QAM	1	0	17.90	17.93	17.86	17.93	17.86		
15	16QAM	1	37	17.85	17.92	17.89	17.84	17.84		
15	16QAM	1	74	17.77	17.80	17.82	17.87	17.74		
15	16QAM	36	0	17.95	17.94	17.82	17.72	17.71		
15	16QAM	36	20	17.82	17.78	17.98	17.87	17.87		
15	16QAM	36	39	17.87	17.77	17.82	17.90	17.88		
15	16QAM	75	0	17.81	17.79	17.90	17.93	17.90		
15	64QAM	1	0	17.84	17.83	17.97	17.84	17.82		
15	64QAM	1	37	17.90	17.80	17.78	17.72	17.73		
15	64QAM	1	74	17.84	17.86	17.89	17.83	17.80		
15	64QAM	36	0	17.76	17.79	17.91	17.73	17.80		
15	64QAM	36	20	17.68	17.71	17.83	17.68	17.68		
15	64QAM	36	39	17.71	17.76	17.85	17.73	17.77		
15	64QAM	75	0	17.66	17.67	17.72	17.62	17.62		
Channel										
Frequency (MHz)				2551	2647	2693	2639	2685	Time-up limit (dBm)	MPR (dB)
15	QPSK	1	0	17.92	17.89	18.00	17.94	17.84	20	0
15	QPSK	1	25	17.82	17.82	17.92	17.82	17.85		
15	QPSK	1	49	17.77	17.74	17.89	17.86	17.87		
15	QPSK	25	0	17.80	17.82	17.93	17.79	17.72		
15	QPSK	25	12	17.87	17.84	17.84	17.77	17.79		
15	QPSK	25	25	17.77	17.76	17.75	17.82	17.80		
15	QPSK	50	0	17.80	17.79	17.86	17.81	17.79		
15	QPSK	50	0	17.87	17.86	17.91	17.86	17.86		
15	16QAM	1	25	17.93	17.90	17.85	17.85	17.87		
15	16QAM	1	49	17.84	17.80	17.82	17.83	17.74		
15	16QAM	25	0	17.84	17.81	17.81	17.79	17.81		
15	16QAM	25	12	17.80	17.79	17.93	17.85	17.87		
15	16QAM	25	25	17.78	17.83	17.84	17.87	17.82		
15	16QAM	50	0	17.85	17.86	17.90	17.87	17.84		
15	16QAM	50	12	17.75	17.87	17.91	17.93	17.85		
15	64QAM	1	25	17.86	17.84	17.83	17.75	17.74		
15	64QAM	1	49	17.85	17.84	17.83	17.79	17.72		
15	64QAM	25	0	17.77	17.79	17.84	17.80	17.80		
15	64QAM	25	12	17.66	17.76	17.75	17.76	17.70		
15	64QAM	25	25	17.73	17.74	17.86	17.68	17.60		
15	64QAM	50	0	17.68	17.67	17.75	17.57	17.50		
Channel										
Frequency (MHz)				36675	40148	40600	41005	41655	Time-up limit (dBm)	MPR (dB)
15	QPSK	1	0	17.93	17.84	17.97	17.93	17.83	20	0
15	QPSK	1	12	17.89	17.91	17.92	17.88	17.84		
15	QPSK	1	24	17.84	17.75	17.91	17.80	17.81		
15	QPSK	12	0	17.89	17.86	17.90	17.82	17.78		
15	QPSK	12	7	17.84	17.81	17.85	17.73	17.76		
15	QPSK	12	13	17.77	17.72	17.65	17.74	17.65		
15	QPSK	25	0	17.78	17.82	17.82	17.75	17.72		
15	16QAM	1	0	17.89	17.96	17.86	17.95	17.98		
15	16QAM	1	12	17.84	17.92	17.90	17.90	17.90		
15	16QAM	1	24	17.84	17.79	17.79	17.88	17.80		
15	16QAM	12	7	17.89	17.91	17.91	17.91	17.90		
15	16QAM	12	13	17.83	17.77	17.81	17.90	17.86		
15	16QAM	25	0	17.83	17.79	17.89	17.79	17.81		
15	64QAM	1	0	17.81	17.86	17.86	17.91	17.90		
15	64QAM	1	12	17.84	17.79	17.84	17.76	17.73		
15	64QAM	1	24	17.89	17.80	17.90	17.87	17.81		
15	64QAM	12	0	17.75	17.79	17.89	17.69	17.62		
15	64QAM	12	7	17.67	17.71	17.74	17.67	17.68		
15	64QAM	12	13	17.69	17.68	17.68	17.64	17.61		
15	64QAM	25	0	17.68	17.59	17.73	17.55	17.62		

Hotspot On Power

GSM850 Ant 0		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	848.8	(dBm)		824.2	836.4	848.8	(dBm)	
GSM 1 Tx slot		32.35	32.24	32.10	33.50		23.35	23.24	23.10	24.50	
GPRS 1 Tx slot		32.33	32.21	32.05	33.50		23.33	23.21	23.05	24.50	
GPRS 2 Tx slots		30.52	30.32	30.09	31.50		24.52	24.32	24.09	25.50	
GPRS 3 Tx slots		29.02	28.83	28.79	30.00		24.76	24.57	24.53	25.74	
GPRS 4 Tx slots		27.71	28.01	27.70	29.00		24.71	25.01	24.70	26.00	

Band		WCDMA V Ant 0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.56	21.49	21.48	23.00
3GPP Rel 99	RMC 12.2Kbps	21.63	21.65	21.56	23.00
3GPP Rel 6	HSDPA Subtest-1	20.71	20.81	20.48	22.00
3GPP Rel 6	HSDPA Subtest-2	20.69	20.77	20.42	22.00
3GPP Rel 6	HSDPA Subtest-3	20.05	20.06	20.14	21.50
3GPP Rel 6	HSDPA Subtest-4	20.13	20.01	20.00	21.50
3GPP Rel 6	HSUPA Subtest-1	20.63	20.78	20.52	22.00
3GPP Rel 6	HSUPA Subtest-2	18.40	18.61	18.57	20.00
3GPP Rel 6	HSUPA Subtest-3	19.68	19.78	19.64	21.00
3GPP Rel 6	HSUPA Subtest-4	18.74	18.61	18.56	20.00
3GPP Rel 6	HSUPA Subtest-5	20.58	20.70	20.63	22.00

Band 5 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.26	22.33	22.20	24	0	
10	QPSK	1	25	22.06	22.31	22.21			
10	QPSK	1	49	22.14	22.13	22.22			
10	QPSK	25	0	21.08	21.15	21.12	23	1	
10	QPSK	25	12	21.04	21.12	21.14			
10	QPSK	25	25	21.08	21.06	21.08			
10	QPSK	50	0	21.11	21.17	21.04	23	1	
10	16QAM	1	0	21.19	21.24	21.09			
10	16QAM	1	25	21.09	21.23	21.30			
10	16QAM	1	49	21.06	21.14	21.11	22	2	
10	16QAM	25	0	20.27	20.23	20.05			
10	16QAM	25	12	20.01	20.30	20.19			
10	16QAM	25	25	20.12	20.12	20.00	22	2	
10	16QAM	50	0	20.12	20.28	20.08			
10	64QAM	1	0	20.01	20.22	20.15			
10	64QAM	1	25	20.10	20.09	20.17	22	2	
10	64QAM	1	49	20.02	20.20	20.19			
10	64QAM	25	0	19.74	19.79	19.73			
10	64QAM	25	12	19.89	19.86	19.76	21	3	
10	64QAM	25	25	19.79	19.92	19.88			
10	64QAM	50	0	19.83	19.82	19.79			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	22.20	22.31	22.12	24	0	
5	QPSK	1	12	22.03	22.23	22.15			
5	QPSK	1	24	22.18	22.04	22.10			
5	QPSK	12	0	21.10	21.07	21.10	23	1	
5	QPSK	12	7	21.14	21.00	21.12			
5	QPSK	12	13	21.11	21.14	21.13			
5	QPSK	25	0	21.10	21.26	21.01	23	1	
5	16QAM	1	0	21.18	21.20	21.14			
5	16QAM	1	12	21.01	21.33	21.25			
5	16QAM	1	24	21.11	21.25	21.03	22	2	
5	16QAM	12	0	20.37	20.13	20.09			
5	16QAM	12	7	20.04	20.29	20.23			
5	16QAM	12	13	20.18	20.18	20.00	22	2	
5	16QAM	25	0	20.13	20.38	20.02			
5	64QAM	1	0	20.07	20.21	20.06			
5	64QAM	1	12	20.14	20.01	20.27	22	2	
5	64QAM	1	24	20.04	20.28	20.09			
5	64QAM	12	0	19.70	19.75	19.62			
5	64QAM	12	7	20.01	19.91	19.88	21	3	
5	64QAM	12	13	19.77	19.89	19.79			
5	64QAM	25	0	19.81	19.92	19.90			
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	22.25	22.23	22.14	24	0	
3	QPSK	1	8	22.14	22.05	22.10			
3	QPSK	1	14	22.20	22.13	22.16			
3	QPSK	8	0	21.15	21.07	21.21	23	1	
3	QPSK	8	4	21.11	21.12	21.03			
3	QPSK	8	7	21.04	21.18	21.03			
3	QPSK	15	0	21.12	21.10	21.13	23	1	
3	16QAM	1	0	21.17	21.23	21.00			
3	16QAM	1	8	21.06	21.20	21.26			
3	16QAM	1	14	21.12	21.03	21.19	22	2	
3	16QAM	8	0	20.33	20.27	20.00			
3	16QAM	8	4	20.15	20.33	20.15			
3	16QAM	8	7	20.22	20.19	20.03	22	2	
3	16QAM	15	0	20.14	20.17	20.14			
3	64QAM	1	0	20.08	20.19	20.06			
3	64QAM	1	8	20.08	20.12	20.25	22	2	
3	64QAM	1	14	20.13	20.23	20.09			
3	64QAM	8	0	19.73	19.85	19.67			
3	64QAM	8	4	19.84	19.93	19.77	21	3	
3	64QAM	8	7	19.71	19.91	19.85			
3	64QAM	15	0	19.94	19.77	19.78			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.24	22.11	22.17	24	0	
1.4	QPSK	1	3	22.01	22.11	22.19			
1.4	QPSK	1	5	22.20	22.15	22.25			
1.4	QPSK	3	0	22.14	22.31	22.17	23	1	
1.4	QPSK	3	1	22.12	22.25	22.16			
1.4	QPSK	3	3	22.19	22.12	22.28			
1.4	QPSK	6	0	21.21	21.05	21.03	23	1	
1.4	16QAM	1	0	21.25	21.28	21.03			
1.4	16QAM	1	3	21.05	21.31	21.29			
1.4	16QAM	1	5	21.02	21.14	21.07	23	1	
1.4	16QAM	3	0	21.13	21.15	21.11			
1.4	16QAM	3	1	21.26	21.33	21.08			
1.4	16QAM	3	3	21.11	21.12	21.20	22	2	
1.4	16QAM	6	0	20.15	20.31	20.14			
1.4	64QAM	1	0	20.13	20.23	20.15			
1.4	64QAM	1	3	20.13	20.17	20.07	22	2	
1.4	64QAM	1	5	20.26	20.10	20.23			
1.4	64QAM	3	0	20.01	20.36	20.00			
1.4	64QAM	3	1	20.00	20.21	20.07	22	2	
1.4	64QAM	3	3	20.14	20.18	20.18			
1.4	64QAM	6	0	19.82	19.74	19.73			
1.4	64QAM	6	0	19.82	19.74	19.73	21	3	

Band 12 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.29	22.44	22.39	24	0	
10	QPSK	1	25	22.33	22.38	22.36			
10	QPSK	1	49	22.21	22.42	22.35			
10	QPSK	25	0	21.24	21.25	21.22	23	1	
10	QPSK	25	12	21.20	21.19	21.23			
10	QPSK	25	25	21.20	21.18	21.20			
10	QPSK	50	0	21.28	21.31	21.30	23	1	
10	16QAM	1	0	21.37	21.21	21.29			
10	16QAM	1	25	21.19	21.27	21.29			
10	16QAM	1	49	21.33	21.33	21.26	22	2	
10	16QAM	25	0	20.24	20.22	20.13			
10	16QAM	25	12	20.11	20.11	20.13			
10	16QAM	25	25	20.08	20.07	20.23	22	2	
10	16QAM	50	0	20.10	20.26	20.09			
10	64QAM	1	0	20.14	20.22	20.17			
10	64QAM	1	25	20.05	20.25	20.14	22	2	
10	64QAM	1	49	20.13	20.08	20.13			
10	64QAM	25	0	19.19	19.16	19.34			
10	64QAM	25	12	19.35	19.18	19.26	21	3	
10	64QAM	25	25	19.14	19.15	19.18			
10	64QAM	50	0	19.25	19.15	19.26			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.22	22.23	22.23	24	0	
5	QPSK	1	12	22.34	22.18	22.29			
5	QPSK	1	24	22.19	22.42	22.14			
5	QPSK	12	0	21.13	21.03	21.09	23	1	
5	QPSK	12	7	21.21	21.11	21.09			
5	QPSK	12	13	21.11	21.08	21.06			
5	QPSK	25	0	21.25	21.14	21.11	23	1	
5	16QAM	1	0	21.30	21.08	21.20			
5	16QAM	1	12	21.17	21.09	21.13			
5	16QAM	1	24	21.17	21.25	21.23	22	2	
5	16QAM	12	0	20.22	20.07	20.02			
5	16QAM	12	7	20.05	20.15	20.01			
5	16QAM	12	13	20.17	20.16	20.16	22	2	
5	16QAM	25	0	20.04	20.09	20.08			
5	64QAM	1	0	20.05	20.09	20.12			
5	64QAM	1	12	20.06	20.17	20.11	22	2	
5	64QAM	1	24	20.06	20.22	20.03			
5	64QAM	12	0	19.13	19.12	19.15			
5	64QAM	12	7	19.23	19.13	19.07	21	3	
5	64QAM	12	13	19.08	19.05	19.05			
5	64QAM	25	0	19.07	19.14	19.11			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.31	22.37	22.36	24	0	
3	QPSK	1	8	22.13	22.25	22.17			
3	QPSK	1	14	22.20	22.29	22.29			
3	QPSK	8	0	21.06	21.18	21.15	23	1	
3	QPSK	8	4	21.01	21.21	21.01			
3	QPSK	8	7	21.15	21.01	21.11			
3	QPSK	15	0	21.08	21.28	21.24	23	1	
3	16QAM	1	0	21.24	21.00	21.08			
3	16QAM	1	8	21.15	21.06	21.11			
3	16QAM	1	14	21.13	21.34	21.09	22	2	
3	16QAM	8	0	20.16	20.13	20.24			
3	16QAM	8	4	20.01	20.09	20.02			
3	16QAM	8	7	20.21	20.18	20.13	22	2	
3	16QAM	15	0	20.11	20.01	20.12			
3	64QAM	1	0	20.04	20.08	20.02			
3	64QAM	1	8	20.00	20.16	20.08	22	2	
3	64QAM	1	14	20.07	20.04	20.20			
3	64QAM	8	0	19.15	19.03	19.33			
3	64QAM	8	4	19.33	19.14	19.24	21	3	
3	64QAM	8	7	19.10	19.15	19.16			
3	64QAM	15	0	19.18	19.16	19.10			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.17	22.30	22.35	24	0	
1.4	QPSK	1	3	22.19	22.17	22.37			
1.4	QPSK	1	5	22.12	22.36	22.14			
1.4	QPSK	3	0	22.08	22.23	22.37	23	1	
1.4	QPSK	3	1	22.23	22.43	22.36			
1.4	QPSK	3	3	22.21	22.23	22.26			
1.4	QPSK	6	0	21.08	21.23	21.11	23	1	
1.4	16QAM	1	0	21.38	21.02	21.17			
1.4	16QAM	1	3	21.11	21.26	21.25			
1.4	16QAM	1	5	21.32	21.34	21.23	22	2	
1.4	16QAM	3	0	21.20	21.18	21.18			
1.4	16QAM	3	1	21.08	21.06	21.27			
1.4	16QAM	3	3	21.19	21.20	21.24	22	2	
1.4	16QAM	6	0	20.16	20.22	20.15			
1.4	64QAM	1	0	20.16	20.18	20.13			
1.4	64QAM	1	3	20.04	20.00	20.10	22	2	
1.4	64QAM	1	5	20.12	20.08	20.15			
1.4	64QAM	3	0	20.16	20.14	20.12			
1.4	64QAM	3	1	20.02	20.12	20.22	21	3	
1.4	64QAM	3	3	20.23	20.07	20.04			
1.4	64QAM	6	0	19.27	19.19	19.05			

GSM1900 Ant 1	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
TX Channel	512	661	810	(dBm)	512	661	810	(dBm)
Frequency (MHz)	1555.2	1555.2	1555.2		1555.2	1555.2	1555.2	
GSM 1 Tx slot	28.83	28.33	28.35	29.50	19.83	19.33	19.35	20.50
GPRS 1 Tx slot	28.81	28.31	28.34	29.50	19.81	19.31	19.34	20.50
GPRS 2 Tx slots	26.82	26.44	26.51	27.50	20.82	20.44	20.51	21.50
GPRS 3 Tx slots	25.41	25.43	25.16	26.50	21.15	21.17	20.90	22.24
GPRS 4 Tx slots	23.63	23.22	23.16	24.50	20.63	20.22	20.16	21.50

Band 2 Ant 1

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

Band 4 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20050	Power Middle Ch. / Freq. 20175	Power High Ch. / Freq. 20300	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	19.07	19.13	19.08	20.5	0
20	QPSK	1	49	19.03	19.03	18.94		
20	QPSK	1	99	18.99	19.00	18.97		
20	QPSK	50	0	19.04	19.08	18.99		

Band 38 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power High Ch. [Freq.]	Power High Middle Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
37850 37850 38150							24	0
20	QPSK	1	0	22.39	22.54	22.51		
20	QPSK	1	49	22.19	22.32	22.44		
20	QPSK	1	99	22.19	22.50	22.39		
20	QPSK	50	0	21.59	21.64	21.43	23	1
20	QPSK	50	24	21.61	21.52	21.48		
20	QPSK	50	50	21.45	21.51	21.53		
20	QPSK	100	0	21.47	21.54	21.45		
20	16QAM	1	0	21.80	21.54	21.61	23	1
20	16QAM	1	49	21.59	21.59	21.41		
20	16QAM	1	99	21.48	21.60	21.41		
20	16QAM	50	0	20.54	20.54	20.55		
20	16QAM	50	24	20.54	20.52	20.48	22	2
20	16QAM	50	50	20.53	20.53	20.58		
20	16QAM	100	0	20.48	20.49	20.40		
20	64QAM	1	0	20.59	20.43	20.56		
20	64QAM	1	49	20.54	20.52	20.50	22	2
20	64QAM	1	99	20.48	20.60	20.48		
20	64QAM	50	0	20.59	20.43	20.57		
20	64QAM	50	24	20.47	20.43	20.44		
20	64QAM	50	50	20.50	20.52	20.39	21	3
20	64QAM	100	0	20.57	20.43	20.54		
Channel				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
2577.5 2595 2612.5							24	0
15	QPSK	1	0	22.34	22.46	22.44		
15	QPSK	1	37	22.00	22.23	22.27		
15	QPSK	1	74	22.14	22.31	22.18		
15	QPSK	36	0	21.38	21.49	21.25	23	1
15	QPSK	36	20	21.29	21.34	21.36		
15	QPSK	36	39	21.33	21.52	21.48		
15	QPSK	75	0	21.39	21.50	21.26		
15	16QAM	1	0	21.42	21.34	21.61	23	1
15	16QAM	1	37	21.59	21.41	21.61		
15	16QAM	1	74	21.43	21.56	21.21		
15	16QAM	36	0	20.37	20.53	20.56		
15	16QAM	36	20	20.44	20.36	20.39	22	2
15	16QAM	36	39	20.55	20.33	20.36		
15	16QAM	75	0	20.30	20.39	20.42		
15	64QAM	1	0	20.60	20.29	20.43		
15	64QAM	1	37	20.41	20.52	20.37	22	2
15	64QAM	1	74	20.31	20.48	20.32		
15	64QAM	36	0	20.50	20.43	20.42		
15	64QAM	36	20	20.34	20.44	20.30		
15	64QAM	36	39	20.46	20.40	20.27	21	3
15	64QAM	75	0	20.43	20.26	20.48		
Channel				3357.5	3600	3622.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3357.5	3600	3622.5		
3357.5 3600 3622.5							24	0
10	QPSK	1	0	22.26	22.41	22.40		
10	QPSK	1	25	22.04	22.22	22.27		
10	QPSK	1	49	22.12	22.33	22.28		
10	QPSK	25	0	21.50	21.60	21.33	23	1
10	QPSK	25	12	21.52	21.35	21.29		
10	QPSK	25	25	21.58	21.57	21.31		
10	QPSK	50	0	21.40	21.38	21.25		
10	16QAM	1	0	21.37	21.51	21.54	23	1
10	16QAM	1	25	21.40	21.57	21.39		
10	16QAM	1	49	21.49	21.54	21.30		
10	16QAM	25	0	20.42	20.47	20.44		
10	16QAM	25	12	20.53	20.42	20.49	22	2
10	16QAM	25	25	20.55	20.44	20.49		
10	16QAM	50	0	20.43	20.32	20.39		
10	64QAM	1	0	20.46	20.24	20.57		
10	64QAM	1	25	20.42	20.40	20.35	22	2
10	64QAM	1	49	20.36	20.56	20.49		
10	64QAM	25	0	20.55	20.25	20.55		
10	64QAM	25	12	20.40	20.40	20.37		
10	64QAM	25	25	20.43	20.37	20.31	21	3
10	64QAM	50	0	20.59	20.28	20.32		
Channel				2777.5	3600	3622.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2777.5	3600	3622.5		
2777.5 3600 3622.5							24	0
5	QPSK	1	0	22.29	22.36	22.33		
5	QPSK	1	12	22.18	22.22	22.27		
5	QPSK	1	24	22.14	22.36	22.32		
5	QPSK	12	0	21.47	21.53	21.32	23	1
5	QPSK	12	7	21.28	21.43	21.40		
5	QPSK	12	13	21.25	21.48	21.38		
5	QPSK	25	0	21.40	21.44	21.45		
5	16QAM	1	0	21.49	21.44	21.63	23	1
5	16QAM	1	12	21.45	21.60	21.57		
5	16QAM	1	24	21.47	21.45	21.39		
5	16QAM	12	0	20.36	20.50	20.38		
5	16QAM	12	7	20.34	20.48	20.46	22	2
5	16QAM	12	13	20.34	20.32	20.45		
5	16QAM	25	0	20.29	20.37	20.36		
5	64QAM	1	0	20.53	20.35	20.48		
5	64QAM	1	12	20.53	20.36	20.35	22	2
5	64QAM	1	24	20.36	20.60	20.28		
5	64QAM	12	0	20.47	20.26	20.51		
5	64QAM	12	7	20.46	20.27	20.32		
5	64QAM	12	13	20.30	20.40	20.40	21	3
5	64QAM	25	0	20.37	20.40	20.52		
Channel				2488.5	2488.5	2593 2593 2643.0 2643.0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2488.5	2488.5	2593 2593 2643.0 2643.0		
2488.5 2488.5 2593 2593 2643.0 2643.0							24	0
5	QPSK	1	0	22.45	22.36	22.57		
5	QPSK	1	12	22.23	22.21	22.52		
5	QPSK	1	24	22.19	22.21	22.45		
5	QPSK	12	0	21.47	21.53	21.32	23	1
5	QPSK	12	7	21.28	21.43	21.40		
5	QPSK	12	13	21.25	21.48	21.38		
5	QPSK	25	0	21.40	21.44	21.45		
5	16QAM	1	0	21.49	21.44	21.63	23	1
5	16QAM	1	12	21.45	21.60	21.57		
5	16QAM	1	24	21.47	21.45	21.39		
5	16QAM	12	0	20.36	20.50	20.38		
5	16QAM	12	7	20.34	20.48	20.46	22	2
5	16QAM	12	13	20.34	20.32	20.45		
5	16QAM	25	0	20.29	20.37	20.36		
5	64QAM	1	0	20.53	20.35	20.48		
5	64QAM	1	12	20.53	20.36	20.35	22	2
5	64QAM	1	24	20.36	20.60	20.28		
5	64QAM	12	0	20.47	20.26	20.51		
5	64QAM	12	7	20.46	20.27	20.32		
5	64QAM	12	13	20.30	20.40	20.40	21	3
5	64QAM	25	0	20.37	20.40	20.52		

Band 42 FCC Part27Q									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	15.06	15.12	15.07			
20	QPSK	1	49	15.02	15.02	15.02	16.5	0	
20	QPSK	1	99	14.96	14.99	15.01			
20	QPSK	50	0	15.03	15.06	14.91			
20	QPSK	50	24	15.03	15.02	14.89	16.5	0	
20	QPSK	50	50	14.89	14.88	14.89			
20	QPSK	100	0	14.92	15.05	14.94			
20	16QAM	1	0	15.09	14.98	15.08	16.5	0	
20	16QAM	1	49	15.04	14.98	15.07			
20	16QAM	1	99	14.99	14.98	14.98			
20	16QAM	50	0	15.08	14.94	14.93	16.5	0	
20	16QAM	50	24	14.96	14.95	15.06			
20	16QAM	50	50	14.95	14.94	14.97			
20	16QAM	100	0	14.94	14.98	15.06	16.5	0	
20	64QAM	1	0	14.98	15.10	15.02			
20	64QAM	1	49	15.00	14.94	14.89			
20	64QAM	1	99	15.07	15.09	14.91	16.5	0	
20	64QAM	50	0	14.98	15.03	15.05			
20	64QAM	50	24	15.00	14.96	14.99			
20	64QAM	50	50	14.95	14.93	14.89	16.5	0	
20	64QAM	100	0	15.10	15.01	14.83			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	14.99	15.02	14.92			
15	QPSK	1	37	15.00	14.96	14.98	16.5	0	
15	QPSK	1	74	14.86	14.85	14.94			
15	QPSK	36	0	14.89	15.03	14.79	16.5	0	
15	QPSK	36	20	14.91	14.94	14.73			
15	QPSK	36	39	14.85	14.73	14.72			
15	QPSK	75	0	14.80	14.88	14.79	16.5	0	
15	16QAM	1	0	15.03	14.89	14.99			
15	16QAM	1	37	14.91	14.89	14.98			
15	16QAM	1	74	14.88	14.82	14.84	16.5	0	
15	16QAM	36	0	15.01	14.90	14.77			
15	16QAM	36	20	14.80	15.06	14.94			
15	16QAM	36	39	14.87	14.90	14.80	16.5	0	
15	16QAM	75	0	14.78	14.95	14.99			
15	64QAM	1	0	14.91	15.07	14.92			
15	64QAM	1	37	14.88	14.77	14.76	16.5	0	
15	64QAM	1	74	14.99	14.93	14.84			
15	64QAM	36	0	14.86	14.86	14.98			
15	64QAM	36	20	14.83	14.91	14.92	16.5	0	
15	64QAM	36	39	14.88	14.79	14.75			
15	64QAM	75	0	14.99	14.93	14.70			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	14.97	15.06	14.98			
10	QPSK	1	25	14.92	14.93	14.94	16.5	0	
10	QPSK	1	49	14.94	14.83	14.90			
10	QPSK	25	0	14.86	14.94	14.75	16.5	0	
10	QPSK	25	12	14.91	14.99	14.75			
10	QPSK	25	25	14.75	14.73	14.73			
10	QPSK	50	0	14.83	15.00	14.77	16.5	0	
10	16QAM	1	0	15.05	14.92	15.04			
10	16QAM	1	25	14.99	14.85	14.90			
10	16QAM	1	49	14.96	14.87	14.91	16.5	0	
10	16QAM	25	0	14.99	14.82	14.81			
10	16QAM	25	12	14.82	15.07	14.88			
10	16QAM	25	25	14.87	14.84	14.93	16.5	0	
10	16QAM	50	0	14.77	14.90	14.92			
10	64QAM	1	0	14.95	15.00	14.85			
10	64QAM	1	25	14.91	14.78	14.80	16.5	0	
10	64QAM	1	49	14.89	15.01	14.80			
10	64QAM	25	0	14.83	14.86	14.89			
10	64QAM	25	12	14.86	14.79	14.89	16.5	0	
10	64QAM	25	25	14.86	14.83	14.78			
10	64QAM	50	0	14.99	14.97	14.71			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	14.89	14.99	15.02			
5	QPSK	1	12	14.84	14.92	14.88	16.5	0	
5	QPSK	1	24	14.86	14.91	14.96			
5	QPSK	12	0	14.95	14.89	14.89	16.5	0	
5	QPSK	12	7	14.91	14.90	14.87			
5	QPSK	12	13	14.85	14.76	14.72			
5	QPSK	25	0	14.77	14.90	14.81	16.5	0	
5	16QAM	1	0	15.02	14.80	15.02			
5	16QAM	1	12	14.98	14.84	15.02			
5	16QAM	1	24	14.96	14.85	14.86	16.5	0	
5	16QAM	12	0	14.98	14.80	14.87			
5	16QAM	12	7	14.85	15.09	14.95			
5	16QAM	12	13	14.89	14.87	14.89	16.5	0	
5	16QAM	25	0	14.84	14.81	15.03			
5	64QAM	1	0	14.83	15.03	14.93			
5	64QAM	1	12	14.84	14.81	14.72	16.5	0	
5	64QAM	1	24	14.94	14.99	14.89			
5	64QAM	12	0	14.91	14.92	14.94			
5	64QAM	12	7	14.89	14.81	14.91	16.5	0	
5	64QAM	12	13	14.87	14.78	14.80			
5	64QAM	25	0	15.06	14.90	14.70			

GSM850 Ant 4		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		30.98	30.73	30.67	32.00		21.98	21.73	21.67	23.00	
GPRS 1 Tx slot		30.95	30.68	30.66	32.00		21.95	21.68	21.66	23.00	
GPRS 2 Tx slots		29.01	28.60	28.57	30.00		23.01	22.60	22.57	24.00	
GPRS 3 Tx slots		27.43	27.02	27.03	28.50		23.17	22.76	22.77	24.24	
GPRS 4 Tx slots		26.30	26.41	26.33	27.50		23.30	23.41	23.33	24.50	

GSM1900 Ant 4		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	1860	1869.8	(dBm)		1850.2	1860	1869.8	(dBm)	
GSM 1 Tx slot		23.51	23.24	23.38	26.50		16.51	16.24	16.36	17.50	
GPRS 1 Tx slot		23.50	23.20	23.35	26.50		16.50	16.20	16.35	17.50	
GPRS 2 Tx slots		23.35	22.91	23.13	24.50		17.35	16.91	17.13	18.50	
GPRS 3 Tx slots		22.01	22.05	21.99	23.50		17.75	17.79	17.73	19.24	
GPRS 4 Tx slots		20.06	19.97	19.79	21.50		17.06	16.97	16.79	18.50	

Band		WCDMA V Ant 4			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		836.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps		20.23	20.30	20.24	22.00
3GPP Rel 99 RMC 12.2Kbps		20.34	20.37	20.25	22.00
3GPP Rel 6 HSDPA Subtest-1		19.36	19.26	19.36	21.00
3GPP Rel 6 HSDPA Subtest-2		19.35	19.32	19.33	21.00
3GPP Rel 6 HSDPA Subtest-3		18.88	18.92	18.76	20.50
3GPP Rel 6 HSDPA Subtest-4		18.91	18.97	18.78	20.50
3GPP Rel 6 HSUPA Subtest-1		19.38	19.34	19.38	21.00
3GPP Rel 6 HSUPA Subtest-2		17.35	17.33	17.33	19.00
3GPP Rel 6 HSUPA Subtest-3		18.32	18.25	18.36	20.00
3GPP Rel 6 HSUPA Subtest-4		17.22	17.40	17.27	19.00
3GPP Rel 6 HSUPA Subtest-5		18.15	19.26	19.28	21.00

Band 2 Ant 4											
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				18700	18900	19100					
Frequency (MHz)				18660	1880	1900					
20	QPSK	1	0	17.28	17.32	17.17	18.5	0			
20	QPSK	1	49	17.18	17.26	17.26					
20	QPSK	1	99	17.11	17.24	17.26					
20	QPSK	50	0	17.21	17.29	17.22					
20	QPSK	50	24	17.24	17.26	17.14	18.5	0			
20	QPSK	50	50	17.14	17.23	17.15					
20	QPSK	100	0	17.11	17.25	17.16					
20	16QAM	1	0	17.21	17.26	17.22					
20	16QAM	1	49	17.31	17.19	17.20	18.5	0			
20	16QAM	1	99	17.20	17.22	17.15					
20	16QAM	50	0	17.23	17.18	17.13					
20	16QAM	50	24	17.08	17.31	17.22					
20	16QAM	50	50	17.11	17.12	17.21	18.5	0			
20	16QAM	100	0	17.16	17.24	17.24					
20	16QAM	1	0	17.18	17.26	17.20					
20	16QAM	1	49	17.16	17.16	17.06	18.5	0			
20	16QAM	1	99	17.29	17.26	17.17					
20	16QAM	50	0	17.21	17.21	17.29					
20	16QAM	50	24	17.23	17.18	17.19					
20	16QAM	50	50	17.19	17.16	17.13	18.5	0			
20	16QAM	100	0	17.25	17.19	17.10					
Channel				18675	18900	19125	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5					
15	QPSK	1	0	17.18	17.14	17.09	18.5	0			
15	QPSK	1	37	17.14	17.12	17.12					
15	QPSK	1	74	17.02	17.20	17.21					
15	QPSK	36	0	17.05	17.14	17.06					
15	QPSK	36	20	17.10	17.19	17.05	18.5	0			
15	QPSK	36	39	17.06	17.14	17.06					
15	QPSK	75	0	16.94	17.13	17.10					
15	16QAM	1	0	17.14	17.09	17.07					
15	16QAM	1	37	17.15	17.05	17.11	18.5	0			
15	16QAM	1	74	17.12	17.13	17.00					
15	16QAM	36	0	17.18	17.05	16.96					
15	16QAM	36	20	17.02	17.20	17.16					
15	16QAM	36	39	16.99	16.99	17.14	18.5	0			
15	16QAM	75	0	17.09	17.14	17.08					
15	16QAM	1	0	17.07	17.12	17.17					
15	16QAM	1	37	17.02	17.10	16.93					
15	16QAM	1	74	17.23	17.18	17.07	18.5	0			
15	16QAM	36	0	17.14	17.07	17.15					
15	16QAM	36	20	17.05	17.15	17.16					
15	16QAM	36	39	17.09	17.03	17.04					
15	16QAM	75	0	17.08	17.02	17.04	18.5	0			
Channel				18650	18900	19150					
Frequency (MHz)				1855	1880	1905					
10	QPSK	1	0	17.12	17.30	17.14	18.5	0			
10	QPSK	1	25	17.06	17.11	17.09					
10	QPSK	1	49	16.96	17.13	17.18					
10	QPSK	25	0	17.05	17.25	17.19					
10	QPSK	25	12	17.14	17.09	16.97	18.5	0			
10	QPSK	25	25	17.09	17.21	17.09					
10	QPSK	50	0	16.96	17.13	17.12					
10	16QAM	1	0	17.08	17.17	17.05					
10	16QAM	1	25	17.15	17.08	17.17	18.5	0			
10	16QAM	1	49	17.17	17.06	17.06					
10	16QAM	25	0	17.08	16.95	17.04					
10	16QAM	25	12	16.98	17.23	17.18					
10	16QAM	25	25	17.00	16.97	17.12	18.5	0			
10	16QAM	50	0	16.98	17.14	17.11					
10	16QAM	1	0	17.11	17.10	17.14					
10	16QAM	1	25	17.03	17.08	17.01					
10	16QAM	1	49	17.24	17.18	17.06	18.5	0			
10	16QAM	25	0	17.11	17.19	17.12					
10	16QAM	25	12	17.09	17.13	17.14					
10	16QAM	25	25	17.16	17.07	17.00					
10	16QAM	50	0	17.19	17.16	17.05	18.5	0			
Channel				18625	18900	19175					
Frequency (MHz)				1852.5	1880	1907.5					
5	QPSK	1	0	17.24	17.20	17.12	18.5	0			
5	QPSK	1	12	17.02	17.21	17.12					
5	QPSK	1	24	16.97	17.17	17.12					
5	QPSK	12	0	17.05	17.25	17.19					
5	QPSK	12	7	17.15	17.19	17.07	18.5	0			
5	QPSK	12	13	17.09	17.15	17.01					
5	QPSK	25	0	17.02	17.12	17.10					
5	16QAM	1	0	17.19	17.18	17.16					
5	16QAM	1	12	17.18	17.14	17.15	18.5	0			
5	16QAM	1	24	17.02	17.19	17.04					
5	16QAM	12	0	17.15	17.02	17.01					
5	16QAM	12	7	16.90	17.19	17.06					
5	16QAM	12	13	17.01	17.09	17.10	18.5	0			
5	16QAM	25	0	16.99	17.10	17.11					
5	16QAM	1	0	17.04	17.22	17.09					
5	16QAM	1	12	17.07	17.01	16.98					
5	16QAM	1	24	17.24	17.21	17.05	18.5	0			
5	16QAM	12	0	17.17	17.15	17.16					
5	16QAM	12	7	17.06	17.04	17.05					
5	16QAM	12	13	17.14	17.04	17.01					
5	16QAM	25	0	17.21	17.10	17.00	18.5	0			
Channel				18615	18900	19185					
Frequency (MHz)				1851.5	1880	1908.5					
3	QPSK	1	0	17.17	17.22	17.02	18.5	0			
3	QPSK	1	8	17.12	17.16	17.23					
3	QPSK	1	14	17.01	17.07	17.13					
3	QPSK	8	0	17.05	17.26	17.12					
3	QPSK	8	4	17.15	17.21	17.12	18.5	0			
3	QPSK	8	7	17.12	17.20	17.02					
3	QPSK	15	0	17.02	17.10	17.09					
3	16QAM	1	0	17.16	17.23	17.13					
3	16QAM	1	8	17.17	17.15	17.15	18.5	0			
3	16QAM	1	14	17.07	17.15	17.07					
3	16QAM	8	0	17.15	17.01	17.08					
3	16QAM	8	4	16.98	17.28	17.19					
3	16QAM	8	7	17.04	16.96	17.07	18.5	0			
3	16QAM	15	0	17.05	17.15	17.13					
3	16QAM	1	0	17.02	17.09	17.03					
3	16QAM	1	8	17.14	17.10	17.01					
3	16QAM	1	14	17.16	17.19	17.08	18.5	0			
3	16QAM	8	0	17.09	17.14	17.21					
3	16QAM	8	4	17.14	17.06	17.10					
3	16QAM	8	7	17.07	17.01	17.00					
3	16QAM	15	0	17.22	17.14	16.99	18.5	0			
Channel				18607	18900	19193					
Frequency (MHz)				1850.7	1880	1909.3					
1.4	QPSK	1	0	17.19	17.17	17.04	18.5	0			
1.4	QPSK	1	3	17.07	17.17	17.11					
1.4	QPSK	1	5	17.04	17.09	17.23					
1.4	QPSK	3	0	17.16	17.15	17.13					
1.4	QPSK	3	1	17.12	17.14	17.09	18.5	0			
1.4	QPSK	3	3	17.10	17.07	17.02					
1.4	QPSK	6	0	16.98	17.15	17.13					
1.4	16QAM	1	0	17.05	17.10	17.16					
1.4	16QAM	1	3	17.16	17.04	17.16	18.5	0			
1.4	16QAM	3	0	17.15	17.05	17.12					
1.4	16QAM	3	0	17.05	17.02	16.96					
1.4	16QAM	3	1	17.01	17.24	17.13	18.5	0			
1.4	16QAM	3	3	16.93	16.96	17.05					
1.4	16QAM	6	0	17.10	17.11	17.17					
1.4	16QAM	1	0	17.14	17.14	17.14					
1.4	16QAM	1	3	17.21	17.16	16.95	18.5	0			
1.4	16QAM	1	5	17.17	17.08	17.18					
1.4	16QAM	3	0	17.07	17.18	17.12					
1.4	16QAM	3	1	17.18	17.03	17.11					
1.4	16QAM	3	3	17.01	17.11	17.04	18.5	0			
1.4	16QAM	6	0	17.12	17.06	17.02					

Band 7 Ant 4								
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				23050	21100	21350	16.5	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	15.07	15.05	15.06	16.5	0
20	QPSK	1	49	15.02	15.04	15.04		
20	QPSK	1	99	14.91	15.01	15.07		
20	QPSK	50	0	15.05	15.07	14.91		
20	QPSK	50	24	14.98	14.98	14.94		
20	QPSK	50	50	14.92	14.91	14.98	16.5	0
20	QPSK	100	0	14.97	15.02	14.92		
20	16QAM	1	0	15.01	15.02	15.06		
20	16QAM	1	49	15.04	15.03	14.99		
20	16QAM	1	99	14.92	14.95	14.98		
20	16QAM	50	0	15.04	14.92	14.98	16.5	0
20	16QAM	50	24	14.94	15.05	15.04		
20	16QAM	50	50	14.95	14.93	15.05		
20	16QAM	100	0	14.97	14.97	15.06		
20	64QAM	1	0	14.97	15.08	15.01		
20	64QAM	1	49	14.99	15.00	14.92	16.5	0
20	64QAM	1	99	15.03	15.08	14.92		
20	64QAM	50	0	14.99	14.99	15.07		
20	64QAM	50	24	15.02	14.96	14.96		
20	64QAM	50	50	14.98	14.97	14.94		
20	64QAM	100	0	15.03	14.97	14.84	16.5	0
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5	16.5	0
15	QPSK	1	0	15.01	14.97	15.02		
15	QPSK	1	37	14.89	14.89	14.96	16.5	0
15	QPSK	1	74	14.80	14.88	14.92		
15	QPSK	36	0	14.95	14.97	14.82		
15	QPSK	36	20	14.95	14.80	14.88		
15	QPSK	36	39	14.75	14.74	14.83		
15	QPSK	75	0	14.93	14.86	14.79	16.5	0
15	16QAM	1	0	14.84	14.85	14.99		
15	16QAM	1	37	14.99	14.95	14.94		
15	16QAM	1	74	14.95	14.78	14.83		
15	16QAM	36	0	15.02	14.75	14.84		
15	16QAM	36	20	14.78	14.92	14.91	16.5	0
15	16QAM	36	39	14.88	14.81	14.88		
15	16QAM	75	0	14.80	14.92	14.92		
15	64QAM	1	0	14.84	14.90	14.83		
15	64QAM	1	37	14.95	14.93	14.88		
15	64QAM	1	74	14.96	14.92	14.87	16.5	0
15	64QAM	36	0	14.89	14.96	14.91		
15	64QAM	36	20	14.91	14.79	14.89		
15	64QAM	36	39	14.89	14.84	14.90		
15	64QAM	75	0	14.85	14.94	14.79		
Channel				20800	21100	21400	16.5	0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	14.91	14.97	15.01	16.5	0
10	QPSK	1	25	14.91	14.95	14.86		
10	QPSK	1	49	14.86	14.94	14.94		
10	QPSK	25	0	14.88	15.05	14.78		
10	QPSK	25	12	14.80	14.87	14.84		
10	QPSK	25	25	14.75	14.79	14.88	16.5	0
10	QPSK	50	0	14.92	14.94	14.80		
10	16QAM	1	0	14.89	14.80	14.94		
10	16QAM	1	25	14.90	14.96	14.93		
10	16QAM	1	49	14.85	14.84	14.82		
10	16QAM	25	0	14.90	14.80	14.90	16.5	0
10	16QAM	25	12	14.77	15.00	14.92		
10	16QAM	25	25	14.91	14.91	14.90		
10	16QAM	50	0	14.82	14.90	15.03		
10	64QAM	1	0	14.94	14.94	14.83		
10	64QAM	1	25	14.96	14.95	14.89	16.5	0
10	64QAM	1	49	15.04	14.95	14.85		
10	64QAM	25	0	14.94	14.92	15.00		
10	64QAM	25	12	14.97	14.92	14.86		
10	64QAM	25	25	14.91	14.83	14.84		
10	64QAM	50	0	14.97	14.83	14.78	16.5	0
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5	16.5	0
5	QPSK	1	0	14.91	14.97	14.97		
5	QPSK	1	12	14.91	14.98	15.01	16.5	0
5	QPSK	1	24	14.80	14.95	14.93		
5	QPSK	12	0	14.90	14.97	14.74		
5	QPSK	12	7	14.87	14.81	14.86		
5	QPSK	12	13	14.82	14.78	14.84		
5	QPSK	25	0	14.90	14.89	14.85	16.5	0
5	16QAM	1	0	14.94	14.95	14.97		
5	16QAM	1	12	14.88	14.90	14.86		
5	16QAM	1	24	14.90	14.82	14.95		
5	16QAM	12	0	14.90	14.84	14.96		
5	16QAM	12	7	14.92	14.87	14.94	16.5	0
5	16QAM	12	13	14.87	14.90	14.96		
5	16QAM	25	0	14.91	14.84	14.97		
5	64QAM	1	0	14.87	15.02	14.87		
5	64QAM	1	12	14.94	14.88	14.85		
5	64QAM	1	24	15.01	14.94	14.88	16.5	0
5	64QAM	12	0	14.85	14.88	14.90		
5	64QAM	12	7	14.90	14.87	14.81		
5	64QAM	12	13	14.83	14.92	14.82		
5	64QAM	25	0	14.85	14.89	14.79		

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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	23095	23130	24	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.79	22.85	22.87	24	0
10	QPSK	1	25	22.54	22.66	22.55		
10	QPSK	1	49	22.71	22.84	22.70		
10	QPSK	25	0	21.79	21.93	21.83		
10	QPSK	25	12	21.83	21.88	21.73		
10	QPSK	25	25	21.82	21.90	21.76	23	1
10	QPSK	50	0	21.77	21.91	21.76		
10	16QAM	1	0	21.82	21.88	21.76		
10	16QAM	1	25	21.70	21.76	21.61		
10	16QAM	1	49	21.80	21.91	21.79		
10	16QAM	25	0	20.90	20.98	20.85	22	2
10	16QAM	25	12	20.88	21.01	20.95		
10	16QAM	25	25	20.82	20.89	20.78		
10	16QAM	50	0	20.91	20.97	20.86		
10	64QAM	1	0	21.30	21.41	21.31		
10	64QAM	1	25	21.23	21.34	21.25	22	2
10	64QAM	1	49	21.31	21.39	21.27		
10	64QAM	25	0	19.87	19.98	19.87		
10	64QAM	25	12	19.95	20.02	19.87		
10	64QAM	25	25	19.89	19.99	19.89		
10	64QAM	50	0	19.83	19.94	19.88	21	3
Channel				23035	23095	23155		
Frequency (MHz)				701.5	707.5	713.5	24	0
5	QPSK	1	0	22.64	22.82	22.75		
5	QPSK	1	12	22.39	22.57	22.43	23	1
5	QPSK	1	24	22.64	22.77	22.61		
5	QPSK	12	0	21.74	21.82	21.70		
5	QPSK	12	7	21.77	21.81	21.60		
5	QPSK	12	13	21.69	21.81	21.64		
5	QPSK	25	0	21.68	21.84	21.69	23	1
5	16QAM	1	0	21.67	21.78	21.70		
5	16QAM	1	12	21.59	21.66	21.47		
5	16QAM	1	24	21.72	21.83	21.68		
5	16QAM	12	0	20.84	20.83	20.78		
5	16QAM	12	7	20.73	20.82	20.81	22	2
5	16QAM	12	13	20.72	20.82	20.71		
5	16QAM	25	0	20.82	20.84	20.77		
5	64QAM	1	0	21.16	21.32	21.26		
5	64QAM	1	12	21.16	21.21	21.12		
5	64QAM	1	24	21.18	21.30	21.13	22	2
5	64QAM	12	0	19.76	19.89	19.74		
5	64QAM	12	7	19.83	19.94	19.78		
5	64QAM	12	13	19.78	19.88	19.80		
5	64QAM	25	0	19.69	19.80	19.74		
Channel				23025	23095	23165	24	0
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	22.73	22.82	22.78	24	0
3	QPSK	1	8	22.42	22.55	22.41		
3	QPSK	1	14	22.58	22.73	22.58	23	1
3	QPSK	8	0	21.72	21.81	21.75		
3	QPSK	8	4	21.72	21.73	21.64		
3	QPSK	8	7	21.76	21.83	21.68		
3	QPSK	15	0	21.62	21.86	21.69		
3	16QAM	1	0	21.69	21.80	21.66	23	1
3	16QAM	1	8	21.59	21.62	21.49		
3	16QAM	1	14	21.70	21.85	21.64		
3	16QAM	8	0	20.81	20.86	20.76		
3	16QAM	8	4	20.78	20.94	20.86		
3	16QAM	8	7	20.67	20.83	20.71	22	2
3	16QAM	15	0	20.82	20.88	20.79		
3	64QAM	1	0	21.22	21.36	21.25		
3	64QAM	1	8	21.09	21.23	21.11		
3	64QAM	1	14	21.21	21.27	21.19		
3	64QAM	8	0	19.79	19.91	19.76	21	3
3	64QAM	8	4	19.82	19.89	19.82		
3	64QAM	8	7	19.76	19.87	19.81		
3	64QAM	15	0	19.74	19.87	19.74		
Channel				23017	23095	23173		
Frequency (MHz)				699.7	707.5	715.3	24	0
1.4	QPSK	1	0	22.66	22.87	22.74		
1.4	QPSK	1	3	22.44	22.53	22.48	24	0
1.4	QPSK	1	5	22.59	22.73	22.57		
1.4	QPSK	3	0	22.71	22.86	22.81		
1.4	QPSK	3	1	22.43	22.62	22.44		
1.4	QPSK	3	3	22.60	22.73	22.65		
1.4	QPSK	6	0	21.69	21.82	21.74	23	1
1.4	16QAM	1	0	21.76	21.78	21.58		
1.4	16QAM	1	3	21.71	21.78	21.68		
1.4	16QAM	1	5	21.69	21.78	21.64		
1.4	16QAM	3	0	21.67	21.81	21.67		
1.4	16QAM	3	1	21.59	21.69	21.53	22	2
1.4	16QAM	3	3	21.70	21.83	21.73		
1.4	16QAM	6	0	20.82	20.87	20.71		
1.4	16QAM	1	0	20.75	20.96	20.87		
1.4	64QAM	1	3	20.75	20.80	20.67		
1.4	64QAM	1	5	20.86	20.92	20.78	22	2
1.4	64QAM	3	0	21.22	21.32	21.12		
1.4	64QAM	3	1	21.15	21.27	21.19		
1.4	64QAM	3	3	21.17	21.25	21.19		
1.4	64QAM	6	0	19.78	19.89	19.78		



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Tune-up limit (dBm)	MPR (dB)		
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	0	15.97	15.97	15.94	17.5	0		
20	QPSK	1	49	15.93	15.97	15.95				
20	QPSK	1	99	15.93	15.89	15.84				
20	QPSK	50	0	15.90	15.97	15.93				
20	QPSK	50	24	15.93	15.90	15.91	17.5	0		
20	QPSK	50	50	15.97	15.90	15.86				
20	QPSK	100	0	15.86	15.87	15.83				
20	16QAM	1	0	15.96	15.89	15.80				
20	16QAM	1	49	15.97	15.84	15.84	17.5	0		
20	16QAM	1	99	15.97	15.87	15.85				
20	16QAM	50	0	15.98	15.81	15.84				
20	16QAM	50	24	15.94	15.98	15.93				
20	16QAM	50	50	15.79	15.90	15.86	17.5	0		
20	16QAM	100	0	15.90	15.96	15.98				
20	64QAM	1	0	15.91	15.96	15.96				
20	64QAM	1	49	15.90	15.93	15.85				
20	64QAM	1	99	15.99	15.94	15.78	17.5	0		
20	64QAM	50	0	15.93	15.92	15.94				
20	64QAM	50	24	15.90	15.88	15.87				
20	64QAM	50	50	15.87	15.91	15.78				
20	64QAM	100	0	15.92	15.94	15.91	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.86	15.83	15.86	17.5	0		
15	QPSK	1	37	15.78	15.83	15.88				
15	QPSK	1	74	15.73	15.84	15.85				
15	QPSK	36	0	15.78	15.90	15.74				
15	QPSK	36	20	15.82	15.90	15.77	17.5	0		
15	QPSK	36	36	15.71	15.73	15.78				
15	QPSK	75	0	15.69	15.78	15.74				
15	16QAM	1	0	15.84	15.85	15.91				
15	16QAM	1	37	15.86	15.77	15.74	17.5	0		
15	16QAM	1	74	15.80	15.75	15.83				
15	16QAM	36	0	15.83	15.69	15.69				
15	16QAM	36	20	15.79	15.83	15.80				
15	16QAM	36	39	15.72	15.74	15.80	17.5	0		
15	16QAM	75	0	15.80	15.94	15.82				
15	64QAM	1	0	15.75	15.83	15.88				
15	64QAM	1	37	15.72	15.73	15.82				
15	64QAM	1	74	15.89	15.84	15.67	17.5	0		
15	64QAM	36	0	15.84	15.82	15.77				
15	64QAM	36	20	15.84	15.84	15.75				
15	64QAM	36	39	15.72	15.74	15.60				
15	64QAM	75	0	15.89	15.91	15.72	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.95	15.87	15.86	17.5	0		
10	QPSK	1	25	15.78	15.86	15.83				
10	QPSK	1	49	15.95	15.78	15.88				
10	QPSK	25	0	15.76	15.79	15.74				
10	QPSK	25	12	15.89	15.86	15.70	17.5	0		
10	QPSK	25	25	15.60	15.73	15.73				
10	QPSK	50	0	15.75	15.84	15.74				
10	16QAM	1	0	15.87	15.76	15.84				
10	16QAM	1	25	15.84	15.79	15.80	17.5	0		
10	16QAM	25	0	15.73	15.69	15.80				
10	16QAM	25	12	15.68	15.68	15.77				
10	16QAM	25	12	15.70	15.89	15.87				
10	16QAM	25	25	15.65	15.77	15.79	17.5	0		
10	16QAM	50	0	15.88	15.86	15.91				
10	64QAM	1	0	15.86	15.87	15.92				
10	64QAM	1	25	15.79	15.68	15.82				
10	64QAM	1	49	15.82	15.83	15.71	17.5	0		
10	64QAM	25	0	15.79	15.87	15.76				
10	64QAM	25	12	15.74	15.73	15.70				
10	64QAM	25	25	15.70	15.75	15.72				
10	64QAM	50	0	15.75	15.82	15.67	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
5	QPSK	1	0	15.93	15.97	15.75	17.5	0		
5	QPSK	1	12	15.85	15.91	15.86				
5	QPSK	1	24	15.73	15.74	15.80				
5	QPSK	12	0	15.78	15.84	15.78				
5	QPSK	12	7	15.77	15.79	15.70	17.5	0		
5	QPSK	12	13	15.63	15.86	15.69				
5	QPSK	25	0	15.82	15.77	15.73				
5	16QAM	1	0	15.94	15.95	15.90				
5	16QAM	1	12	15.80	15.78	15.76	17.5	0		
5	16QAM	1	24	15.69	15.73	15.79				
5	16QAM	12	0	15.91	15.68	15.70				
5	16QAM	12	7	15.82	15.84	15.86				
5	16QAM	12	13	15.75	15.95	15.73	17.5	0		
5	16QAM	25	0	15.78	15.84	15.85				
5	64QAM	1	0	15.78	15.80	15.89				
5	64QAM	1	12	15.77	15.69	15.74				
5	64QAM	1	24	15.87	15.77	15.76	17.5	0		
5	64QAM	12	0	15.79	15.89	15.90				
5	64QAM	12	7	15.83	15.73	15.79				
5	64QAM	12	13	15.79	15.74	15.75				
5	64QAM	25	0	15.90	15.88	15.70	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Low Middle Ch. [Frac]	Power Middle Ch. [Frac]	Power High Middle Ch. [Frac]	Power High Ch. [Frac]	Tune-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)											
20	QPSK	1	0	16.00	16.02	16.07	15.97	16.00	17.5	0	
20	QPSK	1	49	15.85	15.93	16.03	15.95	15.92			
20	QPSK	1	99	15.85	15.88	15.96	15.94	16.03			
20	QPSK	50	0	16.01	16.02	16.05	15.94	15.99			
20	QPSK	50	24	15.94	15.92	15.97	15.92	15.91	17.5	0	
20	QPSK	50	50	15.85	15.82	15.82	15.92	15.91			
20	QPSK	100	0	15.94	15.86	16.01	15.93	15.84			
20	16QAM	1	0	16.05	15.95	16.06	16.05	15.97			
20	16QAM	1	49	16.04	15.96	16.00	16.01	15.94	17.5	0	
20	16QAM	1	99	15.91	15.89	15.84	15.87	15.88			
20	16QAM	50	0	16.04	16.01	15.87	15.85	15.90			
20	16QAM	50	24	15.86	15.92	16.06	15.98	15.97			
20	16QAM	50	50	15.90	15.84	15.90	15.93	15.94	17.5	0	
20	16QAM	100	0	15.91	15.92	15.98	16.06	16.03			
20	64QAM	1	0	15.99	15.89	16.02	15.99	15.95			
20	64QAM	1	49	15.88	15.97	15.95	15.85	15.88			
20	64QAM	1	99	15.99	15.96	16.03	15.90	15.92	17.5	0	
20	64QAM	50	0	15.99	15.95	15.86	16.00	16.06			
20	64QAM	50	24	15.94	15.96	15.95	15.99	15.97			
20	64QAM	50	50	15.90	15.87	15.91	15.83	15.86			
20	64QAM	100	0	16.02	16.05	15.96	15.78	15.84	Tune-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)											
15	QPSK	1	0	15.89	15.99	15.98	15.81	15.92	18	0	
15	QPSK	1	37	15.82	15.78	15.81	15.88	15.84			
15	QPSK	1	74	15.81	15.71	15.90	15.82	15.94			
15	QPSK	36	0	15.88	15.92	16.00	15.88	15.79			
15	QPSK	36	20	15.78	15.82	15.80	15.78	15.81	17.5	0	
15	QPSK	36	36	15.74	15.73	15.66	15.78	15.84			
15	QPSK	75	0	15.86	15.72	15.87	15.87	15.72			
15	16QAM	1	0	15.88	15.80	15.79	15.88	15.90			
15	16QAM	1	37	16.00	15.81	15.91	15.84	15.90	17.5	0	
15	16QAM	1	74	15.75	15.86	15.82	15.79	15.84			
15	16QAM	36	0	15.92	15.93	15.71	15.68	15.88			
15	16QAM	36	20	15.81	15.89	15.92	15.89	15.80			
15	16QAM	36	39	15.76	15.74	15.82	15.91	15.81	17.5	0	
15	16QAM	75	0	15.86	15.74	15.95	15.89	15.88			
15	64QAM	1	0	15.87	15.76	15.86	15.81	15.81			
15	64QAM	1	37	15.71	15.86	15.80	15.77	15.95	17.5	0	
15	64QAM	1	74	15.82	15.91	15.96	15.79	15.88			
15	64QAM	1	99	15.98	15.77	15.83	15.83	15.86			
15	64QAM	36	0	15.83	15.90	15.82	15.98	15.89			
15	64QAM	36	39	15.89	15.81	15.76	15.65	15.65	17.5	0	
15	64QAM	75	0	15.89	15.91	15.98	15.70	15.67			
Channel											
Frequency (MHz)											
10	QPSK	1	0	15.91	15.97	15.93	15.83	15.95	18	0	
10	QPSK	1	12	15.80	15.99	16.00	15.83	15.96			
10	QPSK	1	25	15.79	15.95	15.97	15.79	15.85			
10	QPSK	1	49	15.89	15.71	15.92	15.92	15.90			
10	QPSK	25	0	15.91	15.87	15.88	15.83	15.86	17.5	0	
10	QPSK	25	12	15.79	15.87	15.86	15.78	15.78			
10	QPSK	25	25	15.73	15.73	15.77	15.80	15.73			
10	QPSK	50	0	15.84	15.82	15.95	15.86	15.76			
10	QPSK	50	1	15.86	15.85	15.85	15.85	15.85	17.5	0	
10	16QAM	1	25	15.86	15.78	15.89	15.80	15.91			
10	16QAM	1	49	15.86	15.76	15.80	15.82	15.73			
10	16QAM	25	0	15.98	15.81	15.93	15.94	15.80			
10	16QAM	25	12	15.78	15.76	15.99	15.85	15.85	17.5	0	
10	16QAM	50	25	15.87	15.76	15.82	15.83	15.75			
10	16QAM	50	1	15.86	15.85	15.85	15.85	15.84			
10	64QAM	1	49	15.82	15.79	15.93	15.82	15.89			
10	64QAM	1	25	15.86	15.84	15.97	15.79	15.75	17.5	0	
10	64QAM	25	0	15.96	15.78	15.83	15.88	15.88			
10	64QAM	25	12	15.82	15.80	15.82	15.83	15.84			
10	64QAM	50	25	15.73	15.73	15.88	15.80	15.74			
10	64QAM	50	1	15.88	15.87	15.92	15.87	15.85	Tune-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)											
36	QPSK	1	0	16.03	16.04	16.06	16.00	16.05	18	0	
36	QPSK	1	8	15.73	15.43	15.93	15.63	15.65			
36	QPSK	1	12	15.90	15.77	15.88	15.83	15.83			
36	QPSK	1	24	15.76	15.71	15.86	15.80	15.86			
36	QPSK	12	0	15.92	15.86	15.96	15.86	15.81	17.5	0	
36	QPSK	12	7	15.87	15.80	15.93	15.86	15.75			
36	QPSK	12	13	15.80	15.78	15.69	15.82	15.87			
36	QPSK	12	20	15.77	15.81	15.89	15.89	15.70			
36	16QAM	1	0	15.99	15.86	15.79	15.89	15.85	17.5	0	
36	16QAM	1	12	15.87	15.89	15.84	15.94	15.83			
36	16QAM	1	24	15.81	15.74	15.91	15.82	15.82			
36	16QAM	12	0	15.82	15.70	15.86	15.75	15.87			
36	16QAM	12	7	15.74	15.71	15.85	15.85	15.79	17.5	0	
36	16QAM	12	13	15.85	15.81	15.88	15.87	15.90			
36	16QAM	12	20	15.86	15.86	15.86	15.81	15.74			
36	16QAM	12	24	15.86	15.87	15.82	15.84	15.97			
36	64QAM	12	7	15.80	15.87	15.93	15.93	15.94	17.5	0	
36	64QAM	12	13	15.79	15.60	15.75	15.75	15.72			
36	64QAM	25	0	15.87	15.98	15.81	15.71	15.70			

2CA DL

CA List	PCC									SCC					Power	
	LTE	BW	BW	UL	UL	Mod.	ULF	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_41A-42A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590		22.44	22.65
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590		22.38	22.54
	Band 42	Ant2	20M	3500	42590	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.99	23.13

3CA DL

3CA List	PCC									SCC1					SCC2				Power		
	LTE	BW	BW	UL	UL		ULF	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_41A-42C	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590		Band 42	20M	3519.8	42788		22.48	22.65
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590		Band 42	20M	3519.8	42788		22.42	22.54
	Band 42	Ant2	20M	3500	42590	QPSK	1	0		Band 42	20M	3519.8	42788		Band 41	20M	2593	40620	4x4MIMO	23.00	23.13
CA_41C-42A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590		22.60	22.65
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590		22.33	22.54
	Band 42	Ant2	20M	3500	42590	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.94	23.13



4CA DL

Configure	PCC									SCC1					SCC2					SCC3					Power	
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB		RB Offset	Band	(MHz)	Freq. (MHz)		Channel	Band	(MHz)	Freq. (MHz)		Channel	Band	(MHz)	Freq. (MHz)		Channel	Tx. Power (dBm)	Tx. Power (dBm)
CA_41C-42C	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590		Band 42	20M	3519.8	42788		22.42	22.65
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590		Band 42	20M	3519.8	42788		22.46	22.54
	Band 42	Ant2	20M	3500	42590	QPSK	1	0		Band 42	20M	3519.8	42788		Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.96	23.13

Full Power

Part270 n77 Ant 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				650000	656000	662000	24.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.62	22.63	22.59			
100	PI/2 BPSK	1	137	22.66	22.66	22.52			
100	PI/2 BPSK	1	271	22.58	22.64	22.57	24.0	0.5	
100	PI/2 BPSK	135	0	22.17	22.07	22.22			
100	PI/2 BPSK	135	69	22.51	22.61	22.56			
100	PI/2 BPSK	135	138	22.11	22.02	22.24			
100	PI/2 BPSK	270	0	22.27	22.12	22.14	24.5	0.0	
100	QPSK	1	1	22.69	22.78	22.74			
100	QPSK	1	137	22.56	22.74	22.66			
100	QPSK	1	271	22.68	22.67	22.68			
100	QPSK	135	0	21.63	21.64	21.60	23.5	1.0	
100	QPSK	135	69	22.52	22.61	22.55			
100	QPSK	135	138	21.54	21.56	21.51			
100	QPSK	270	0	21.51	21.55	21.51			
100	16QAM	1	1	21.65	21.76	21.61	23.5	1.0	
100	64QAM	1	1	21.15	21.21	21.03			
100	256QAM	1	1	18.21	18.24	18.10			
100	256QAM	1	1	18.21	18.24	18.10			
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	22.65	22.66	22.67	24.5	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	22.57	22.70	22.76	24.5	0.0	

Part27Q n77 Ant 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						633334	24.5	0.0	
Frequency (MHz)						3500.01			
100	PI/2 BPSK	1	1			22.68			
100	PI/2 BPSK	1	137			22.72			
100	PI/2 BPSK	1	271			22.79	24.0	0.5	
100	PI/2 BPSK	135	0			22.10			
100	PI/2 BPSK	135	69			22.66			
100	PI/2 BPSK	135	138			22.14			
100	PI/2 BPSK	270	0			22.13	24.5	0.0	
100	QPSK	1	1			22.84			
100	QPSK	1	137			22.73			
100	QPSK	1	271			22.82			
100	QPSK	135	0			21.62	23.5	1.0	
100	QPSK	135	69			22.62			
100	QPSK	135	138			21.61			
100	QPSK	270	0			21.64			
100	16QAM	1	1			21.80	23.5	1.0	
100	64QAM	1	1			20.34			
100	256QAM	1	1			18.26			
100	256QAM	1	1			18.26			
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	22.69	22.77	22.68	24.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	22.62	22.60	22.68	24.5	0.0	

Part270 n78 Ant 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				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	22.53			24.5	0.0
100	PI/2 BPSK	1	137	22.66				
100	PI/2 BPSK	1	271	22.57				
100	PI/2 BPSK	135	0	22.04			24.0	0.5
100	PI/2 BPSK	135	69	22.54			24.5	0.0
100	PI/2 BPSK	135	138	22.01			24.0	0.5
100	PI/2 BPSK	270	0	22.02				
100	QPSK	1	1	22.76			24.5	0.0
100	QPSK	1	137	22.72				
100	QPSK	1	271	22.58				
100	QPSK	135	0	21.53			23.5	1.0
100	QPSK	135	69	22.56			24.5	0.0
100	QPSK	135	138	21.64			23.5	1.0
100	QPSK	270	0	21.55				
100	16QAM	1	1	21.69			23.5	1.0
100	64QAM	1	1	20.17			22.0	2.5
100	256QAM	1	1	18.08			20.0	4.5
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.59	22.58	22.69	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.62	22.70	22.68	24.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.55	22.66	22.56	24.5	0.0

Part27Q n78 Ant 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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	22.63			24.5	0.0
100	PI/2 BPSK	1	137	22.62				
100	PI/2 BPSK	1	271	22.56				
100	PI/2 BPSK	135	0	22.09			24.0	0.5
100	PI/2 BPSK	135	69	22.62			24.5	0.0
100	PI/2 BPSK	135	138	22.09			24.0	0.5
100	PI/2 BPSK	270	0	22.10				
100	QPSK	1	1	22.64			24.5	0.0
100	QPSK	1	137	22.63				
100	QPSK	1	271	22.58				
100	QPSK	135	0	21.59			23.5	1.0
100	QPSK	135	69	22.63			24.5	0.0
100	QPSK	135	138	21.59			23.5	1.0
100	QPSK	270	0	21.61				
100	16QAM	1	1	21.67			23.5	1.0
100	64QAM	1	1	20.12			22.0	2.5
100	256QAM	1	1	18.08			20.0	4.5
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.55	22.63	22.58	24.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.57	22.58	22.54	24.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.56	22.60	22.58	24.5	0.0

Part270 n77 Ant 5										
5	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	656000	662000	23.0	0.0		
Frequency (MHz)				3750	3840	3930				
100	PI/2 BPSK	1	1	21.40	21.56	21.39				
100	PI/2 BPSK	1	137	21.69	21.71	21.69	22.5	0.5		
100	PI/2 BPSK	1	271	21.81	21.78	21.58		23.0	0.0	
100	PI/2 BPSK	135	0	20.99	21.03	20.91			22.5	0.5
100	PI/2 BPSK	135	69	21.60	21.67	21.68	23.0			0.0
100	PI/2 BPSK	135	138	21.08	21.07	21.09		22.5		0.5
100	PI/2 BPSK	270	0	21.05	21.13	20.90			23.0	0.0
100	QPSK	1	1	21.59	21.64	21.83	22.0			1.0
100	QPSK	1	137	21.65	21.71	21.51		23.0		0.0
100	QPSK	1	271	21.83	21.81	21.75			22.0	1.0
100	QPSK	135	0	20.50	20.54	20.43	23.0			0.0
100	QPSK	135	69	21.57	21.63	21.57		22.0		1.0
100	QPSK	135	138	20.63	20.61	20.53			22.0	1.0
100	QPSK	270	0	20.52	20.62	20.47	20.5			2.5
100	16QAM	1	1	20.75	20.71	20.75		18.5		4.5
100	64QAM	1	1	19.04	19.18	19.01			23.0	0.0
100	256QAM	1	1	17.08	17.21	17.05	23.0			0.0
Channel				648000	656000	664000		23.0		0.0
Frequency (MHz)				3720	3840	3960				
40	QPSK	1	1	21.61	21.77	21.65				
Channel				647334	656000	664668	23.0	0.0		
Frequency (MHz)				3710.01	3840	3970.02				
20	QPSK	1	1	21.56	21.81	21.71				

Part27Q n77 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		23.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		21.62				
100	PI/2 BPSK	1	137		21.63		22.5	0.5	
100	PI/2 BPSK	1	271		21.69				
100	PI/2 BPSK	135	0		21.12				
100	PI/2 BPSK	135	69		21.64		23.0	0.0	
100	PI/2 BPSK	135	138		21.07		22.5	0.5	
100	PI/2 BPSK	270	0		21.12				
100	QPSK	1	1		21.75		23.0	0.0	
100	QPSK	1	137		21.71				
100	QPSK	1	271		21.74				
100	QPSK	135	0		20.65		22.0	1.0	
100	QPSK	135	69		21.63		23.0	0.0	
100	QPSK	135	138		20.64		22.0	1.0	
100	QPSK	270	0		20.62				
100	16QAM	1	1		20.75		22.0	1.0	
100	64QAM	1	1		19.27		20.5	2.5	
100	256QAM	1	1		17.25		18.5	4.5	
Channel					631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3470.01	3500.01	3530.01		
40	QPSK	1	1				23.0	0.0	
Channel					630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3460.02	3500.01	3540		
20	QPSK	1	1				23.0	0.0	

Part27O n78 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		21.26		23.0	0.0	
100	PI/2 BPSK	1	137		21.34				
100	PI/2 BPSK	1	271		21.50				
100	PI/2 BPSK	135	0		20.72		22.5	0.5	
100	PI/2 BPSK	135	69		21.33		23.0	0.0	
100	PI/2 BPSK	135	138		20.89		22.5	0.5	
100	PI/2 BPSK	270	0		20.82				
100	QPSK	1	1		21.53		23.0	0.0	
100	QPSK	1	137		21.49				
100	QPSK	1	271		21.50				
100	QPSK	135	0		20.27		22.0	1.0	
100	QPSK	135	69		21.33		23.0	0.0	
100	QPSK	135	138		20.28		22.0	1.0	
100	QPSK	270	0		20.35				
100	16QAM	1	1		20.31		22.0	1.0	
100	64QAM	1	1		18.79		20.5	2.5	
100	256QAM	1	1		16.78		18.5	4.5	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		21.50	21.35	21.34	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		21.36	21.33	21.47	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		21.40	21.52	21.30	23.0	0.0

Part27Q n78 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		23.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		21.39		23.0	0.0	
100	PI/2 BPSK	1	137		21.47				
100	PI/2 BPSK	1	271		21.49				
100	PI/2 BPSK	135	0		20.96		22.5	0.5	
100	PI/2 BPSK	135	69		21.48		23.0	0.0	
100	PI/2 BPSK	135	138		20.93		22.5	0.5	
100	PI/2 BPSK	270	0		20.96				
100	QPSK	1	1		21.59		23.0	0.0	
100	QPSK	1	137		21.55				
100	QPSK	1	271		21.58				
100	QPSK	135	0		20.46		22.0	1.0	
100	QPSK	135	69		21.45		23.0	0.0	
100	QPSK	135	138		20.44		22.0	1.0	
100	QPSK	270	0		20.41				
100	16QAM	1	1		20.59		22.0	1.0	
100	64QAM	1	1		19.03		20.5	2.5	
100	256QAM	1	1		17.01		18.5	4.5	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		21.54	21.44	21.50	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		21.30	21.31	21.40	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		21.51	21.46	21.44	23.0	0.0

Part27O n77 Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000	21.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.22	20.35	20.20	21.5	0.0
100	PI/2 BPSK	1	137	20.16	20.28	20.14		
100	PI/2 BPSK	1	271	20.02	20.12	19.99		
100	PI/2 BPSK	135	0	19.52	19.75	19.74	21.0	0.5
100	PI/2 BPSK	135	69	20.18	20.25	20.23	21.5	0.0
100	PI/2 BPSK	135	138	19.35	19.56	19.45	21.0	0.5
100	PI/2 BPSK	270	0	19.55	19.77	19.53		
100	QPSK	1	1	20.47	20.53	20.24	21.5	0.0
100	QPSK	1	137	20.16	20.40	20.22		
100	QPSK	1	271	20.08	20.26	20.11		
100	QPSK	135	0	19.14	19.24	19.13	20.5	1.0
100	QPSK	135	69	20.13	20.30	20.09	21.5	0.0
100	QPSK	135	138	18.99	19.11	18.87	20.5	1.0
100	QPSK	270	0	19.21	19.33	19.31		
100	16QAM	1	1	19.34	19.55	19.32	20.5	1.0
100	64QAM	1	1	17.85	17.99	17.79	19.0	2.5
100	256QAM	1	1	15.94	16.00	15.77	17.0	4.5
Channel				646000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.34	20.47	20.22	21.5	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.30	20.40	20.06	21.5	0.0

Part27Q n77 Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				633334			21.5	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		20.44		21.5	0.0
100	PI/2 BPSK	1	137		20.51			
100	PI/2 BPSK	1	271		20.55			
100	PI/2 BPSK	135	0		19.94		21.0	0.5
100	PI/2 BPSK	135	69		20.44		21.5	0.0
100	PI/2 BPSK	135	138		19.98		21.0	0.5
100	PI/2 BPSK	270	0		19.95			
100	QPSK	1	1		20.65		21.5	0.0
100	QPSK	1	137		20.52			
100	QPSK	1	271		20.64			
100	QPSK	135	0		19.30		20.5	1.0
100	QPSK	135	69		20.44		21.5	0.0
100	QPSK	135	138		19.48		20.5	1.0
100	QPSK	270	0		19.48			
100	16QAM	1	1		19.63		20.5	1.0
100	64QAM	1	1		18.11		19.0	2.5
100	256QAM	1	1		16.05		17.0	4.5
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.56	20.60	20.63	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.53	20.53	20.58	21.5	0.0

Part27O n78 Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	21.5	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.27		21.5	0.0
100	PI/2 BPSK	1	137		20.28			
100	PI/2 BPSK	1	271		20.23			
100	PI/2 BPSK	135	0		19.76		21.0	0.5
100	PI/2 BPSK	135	69		20.27		21.5	0.0
100	PI/2 BPSK	135	138		19.69		21.0	0.5
100	PI/2 BPSK	270	0		19.76			
100	QPSK	1	1		20.53		21.5	0.0
100	QPSK	1	137		20.43			
100	QPSK	1	271		20.27			
100	QPSK	135	0		19.28		20.5	1.0
100	QPSK	135	69		20.26		21.5	0.0
100	QPSK	135	138		19.14		20.5	1.0
100	QPSK	270	0		19.23			
100	16QAM	1	1		19.37		20.5	1.0
100	64QAM	1	1		17.87		19.0	2.5
100	256QAM	1	1		15.88		17.0	4.5
Channel				649334	650000	650668	21.5	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		20.20	20.32	20.30	0.0
Channel				646000	650000	652000	21.5	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		20.43	20.33	20.45	0.0
Channel				647334	650000	652668	21.5	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		20.29	20.35	20.50	0.0

Part27Q n78 Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		21.5	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.21		21.5	0.0
100	PI/2 BPSK	1	137		20.40			
100	PI/2 BPSK	1	271		20.41			
100	PI/2 BPSK	135	0		19.78		21.0	0.5
100	PI/2 BPSK	135	69		20.50		21.5	0.0
100	PI/2 BPSK	135	138		19.83		21.0	0.5
100	PI/2 BPSK	270	0		19.77			
100	QPSK	1	1		20.51		21.5	0.0
100	QPSK	1	137		20.45			
100	QPSK	1	271		20.45			
100	QPSK	135	0		19.30		20.5	1.0
100	QPSK	135	69		20.35		21.5	0.0
100	QPSK	135	138		19.31		20.5	1.0
100	QPSK	270	0		19.34			
100	16QAM	1	1		19.42		20.5	1.0
100	64QAM	1	1		17.90		19.0	2.5
100	256QAM	1	1		15.39		17.0	4.5
Channel				632668	633334	634000	21.5	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		20.44	20.41	20.46	0.0
Channel				631334	633334	635334	21.5	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		20.42	20.40	20.28	0.0
Channel				630668	633334	636000	21.5	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		20.35	20.41	20.35	0.0



Part27O n77 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	19.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.18	18.40	18.37			
100	PI/2 BPSK	1	137	18.67	18.71	18.52			
100	PI/2 BPSK	1	271	18.61	18.84	18.67	19.0	0.5	
100	PI/2 BPSK	135	0	17.91	17.94	17.77			
100	PI/2 BPSK	135	69	18.61	18.61	18.62			
100	PI/2 BPSK	135	138	18.01	18.10	17.95			
100	PI/2 BPSK	270	0	18.08	18.08	17.97	19.5	0.0	
100	QPSK	1	1	18.61	18.85	18.73			
100	QPSK	1	137	18.80	18.76	18.67			
100	QPSK	1	271	18.63	18.77	18.74			
100	QPSK	135	0	17.39	17.45	17.20	18.5	1.0	
100	QPSK	135	69	18.53	18.64	18.62			
100	QPSK	135	138	17.52	17.62	17.54			
100	QPSK	270	0	17.49	17.59	17.54			
100	16QAM	1	1	17.37	17.54	17.57	18.5	1.0	
100	64QAM	1	1	15.84	16.04	15.94			
100	256QAM	1	1	13.74	13.98	13.76			
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	19.5	0.0	
40	QPSK	1	1	18.64	18.73	18.76	19.5	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.42	18.77	18.51		0.0	

Part27Q n77 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		18.58		19.5	0.0	
100	PI/2 BPSK	1	137		18.42				
100	PI/2 BPSK	1	271		18.38				
100	PI/2 BPSK	135	0		17.98		19.0	0.5	
100	PI/2 BPSK	135	69		18.38		19.5	0.0	
100	PI/2 BPSK	135	138		17.87				
100	PI/2 BPSK	270	0		17.91		19.0	0.5	
100	QPSK	1	1		18.64				
100	QPSK	1	137		18.62		19.5	0.0	
100	QPSK	1	271		18.49				
100	QPSK	135	0		17.46				
100	QPSK	135	69		18.41		18.5	1.0	
100	QPSK	135	138		17.37		19.5	0.0	
100	QPSK	270	0		17.44		18.5	1.0	
100	16QAM	1	1		17.74		18.5	1.0	
100	64QAM	1	1		16.20		17.0	2.5	
100	256QAM	1	1		14.17		15.0	4.5	
Channel					631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3470.01	3500.01	3530.01	19.5	0.0
40	QPSK	1	1	18.58	18.49	18.57	19.5	0.0	
Channel					630668	633334			636000
Frequency (MHz)					3460.02	3500.01			3540
20	QPSK	1	1	18.50	18.49	18.56	19.5	0.0	

Part27O n78 Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.95		19.5	0.0
100	PI/2 BPSK	1	137		18.07			
100	PI/2 BPSK	1	271		18.41			
100	PI/2 BPSK	135	0		17.45		19.0	0.5
100	PI/2 BPSK	135	69		18.07		19.5	0.0
100	PI/2 BPSK	135	138		17.61		19.0	0.5
100	PI/2 BPSK	270	0		17.57			
100	QPSK	1	1		18.55		19.5	0.0
100	QPSK	1	137		18.19			
100	QPSK	1	271		18.38			
100	QPSK	135	0		18.94		18.5	1.0
100	QPSK	135	69		18.31		19.5	0.0
100	QPSK	135	138		17.08		18.5	1.0
100	QPSK	270	0		17.06			
100	16QAM	1	1		17.01		18.5	1.0
100	64QAM	1	1		15.48		17.0	2.5
100	256QAM	1	1		13.47		15.0	4.5
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		18.33	18.37	18.50	0.0
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		18.44	18.37	18.41	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		18.41	18.54	18.39	0.0

Part27Q n78 Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.25		19.5	0.0
100	PI/2 BPSK	1	137		18.30			
100	PI/2 BPSK	1	271		18.20			
100	PI/2 BPSK	135	0		17.80		19.0	0.5
100	PI/2 BPSK	135	69		18.25		19.5	0.0
100	PI/2 BPSK	135	138		17.71		19.0	0.5
100	PI/2 BPSK	270	0		17.75			
100	QPSK	1	1		18.39		19.5	0.0
100	QPSK	1	137		18.37			
100	QPSK	1	271		18.33			
100	QPSK	135	0		17.23		18.5	1.0
100	QPSK	135	69		18.21		19.5	0.0
100	QPSK	135	138		17.20		18.5	1.0
100	QPSK	270	0		17.25			
100	16QAM	1	1		17.43		18.5	1.0
100	64QAM	1	1		15.99		17.0	2.5
100	256QAM	1	1		13.30		15.0	4.5
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		18.21	18.27	18.19	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		18.34	18.14	18.15	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		18.23	18.37	18.16	0.0

Hotspot On Power

Part270 n77 Ant 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				650000	656000	662000	14.0	0.0
Frequency (MHz)				3750	3840	3930		
100	Pl/2 BPSK	1	1	12.20	12.29	12.17	14.0	0.0
100	Pl/2 BPSK	1	137	12.16	12.17	12.29		
100	Pl/2 BPSK	1	271	12.11	12.16	12.25		
100	Pl/2 BPSK	135	0	12.28	12.12	12.24	14.0	0.0
100	Pl/2 BPSK	135	69	12.27	12.20	12.15	14.0	0.0
100	Pl/2 BPSK	135	138	12.18	12.26	12.12	14.0	0.0
100	Pl/2 BPSK	270	0	12.07	12.21	12.22		
100	QPSK	1	1	12.17	12.39	12.31	14.0	0.0
100	QPSK	1	137	12.33	12.27	12.15		
100	QPSK	1	271	12.07	12.23	12.09		
100	QPSK	135	0	12.27	12.11	12.19	14.0	0.0
100	QPSK	135	69	12.14	12.33	12.23	14.0	0.0
100	QPSK	135	138	12.05	12.17	12.21	14.0	0.0
100	QPSK	270	0	12.27	12.28	12.24		
100	16QAM	1	1	12.27	12.20	12.26	14.0	0.0
100	64QAM	1	1	12.26	12.23	12.02	14.0	0.0
100	256QAM	1	1	12.24	12.27	12.22	14.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.33	12.30	12.34	14.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.20	12.30	12.26	14.0	0.0

Part27Q n77 Ant 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					633334		14.0	0.0
Frequency (MHz)					3500.01			
100	Pl/2 BPSK	1	1		12.42		14.0	0.0
100	Pl/2 BPSK	1	137		12.34			
100	Pl/2 BPSK	1	271		12.31			
100	Pl/2 BPSK	135	0		12.17		14.0	0.0
100	Pl/2 BPSK	135	69		12.32		14.0	0.0
100	Pl/2 BPSK	135	138		12.44		14.0	0.0
100	Pl/2 BPSK	270	0		12.25			
100	QPSK	1	1		12.43		14.0	0.0
100	QPSK	1	137		12.27			
100	QPSK	1	271		12.25			
100	QPSK	135	0		12.20		14.0	0.0
100	QPSK	135	69		12.31		14.0	0.0
100	QPSK	135	138		12.28		14.0	0.0
100	QPSK	270	0		12.27			
100	16QAM	1	1		12.38		14.0	0.0
100	64QAM	1	1		12.16		14.0	0.0
100	256QAM	1	1		12.37		14.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.29	12.40	12.42	14.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.20	12.30	12.26	14.0	0.0

Part270 n78 Ant 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				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		12.18		14.0	0.0
100	PI/2 BPSK	1	137		12.11			
100	PI/2 BPSK	1	271		12.11			
100	PI/2 BPSK	135	0		12.10	14.0		
100	PI/2 BPSK	135	69		12.14		14.0	0.0
100	PI/2 BPSK	135	138		12.20		14.0	0.0
100	PI/2 BPSK	270	0		12.12			
100	QPSK	1	1		12.29		14.0	0.0
100	QPSK	1	137		12.07			
100	QPSK	1	271		12.09			
100	QPSK	135	0		12.03	14.0		
100	QPSK	135	69		12.27		14.0	0.0
100	QPSK	135	138		12.11		14.0	0.0
100	QPSK	270	0		12.26			
100	16QAM	1	1		12.28		14.0	0.0
100	64QAM	1	1		12.11		14.0	0.0
100	256QAM	1	1		12.16		14.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	12.12	12.22	12.27	14.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	12.11	12.13	12.10	14.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	12.26	12.24	12.28	14.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.11		14.0	0.0
100	PI/2 BPSK	1	137		12.04			
100	PI/2 BPSK	1	271		12.11			
100	PI/2 BPSK	135	0		12.01		14.0	0.0
100	PI/2 BPSK	135	69		12.08		14.0	0.0
100	PI/2 BPSK	135	138		12.08		14.0	0.0
100	PI/2 BPSK	270	0		12.12			
100	QPSK	1	1		12.23			
100	QPSK	1	137		12.11		14.0	0.0
100	QPSK	1	271		12.01			
100	QPSK	135	0		12.11		14.0	0.0
100	QPSK	135	69		12.20		14.0	0.0
100	QPSK	135	138		12.14		14.0	0.0
100	QPSK	270	0		12.12			
100	16QAM	1	1		12.18		14.0	0.0
100	64QAM	1	1		12.10		14.0	0.0
100	256QAM	1	1		12.10		14.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	12.03	12.17	12.15	14.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	12.15	12.15	12.06	14.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	12.09	12.21	12.20	14.0	0.0

Part27O n77 Ant 5									
5	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	13.78	13.71	13.67	15.0		
100	PI/2 BPSK	1	137	13.74	13.69	13.79			
100	PI/2 BPSK	1	271	13.71	13.63	13.80			
100	PI/2 BPSK	135	0	13.77	13.67	13.69		0.0	
100	PI/2 BPSK	135	69	13.91	13.71	13.73	15.0	0.0	
100	PI/2 BPSK	135	138	13.73	13.68	13.78	15.0		
100	PI/2 BPSK	270	0	13.67	13.65	13.61		0.0	
100	QPSK	1	1	13.89	13.93	13.61	15.0		
100	QPSK	1	137	13.82	13.80	13.77			
100	QPSK	1	271	13.61	13.77	13.77			
100	QPSK	135	0	13.71	13.71	13.66		0.0	
100	QPSK	135	69	13.85	13.91	13.79	15.0	0.0	
100	QPSK	135	138	13.67	13.65	13.60	15.0		
100	QPSK	270	0	13.78	13.64	13.71		0.0	
100	16QAM	1	1	13.86	13.60	13.61	15.0	0.0	
100	64QAM	1	1	13.86	13.65	13.79	15.0	0.0	
100	256QAM	1	1	13.73	13.72	13.73	15.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	13.78	13.78	13.64	15.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	13.81	13.64	13.68	15.0	0.0	

Part27Q n77 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
100	PI/2 BPSK	1	1		13.56		15.0		
100	PI/2 BPSK	1	137		13.68				
100	PI/2 BPSK	1	271		13.68				
100	PI/2 BPSK	135	0		13.64			0.0	
100	PI/2 BPSK	135	69		13.63		15.0	0.0	
100	PI/2 BPSK	135	138		13.80				
100	PI/2 BPSK	270	0		13.70		15.0	0.0	
100	QPSK	1	1		13.63				
100	QPSK	1	137		13.64				
100	QPSK	1	271		13.71				
100	QPSK	135	0		13.71		15.0	0.0	
100	QPSK	135	69		13.81			0.0	
100	QPSK	135	138		13.76		15.0	0.0	
100	QPSK	270	0		13.73				
100	16QAM	1	1		13.69		15.0	0.0	
100	64QAM	1	1		13.76		15.0	0.0	
100	256QAM	1	1		13.71		15.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	13.78	13.70	13.80	15.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	13.79	13.67	13.75	15.0	0.0	

Part270 n78 Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	15.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		13.54		15.0	0.0
100	PI/2 BPSK	1	137		13.53			
100	PI/2 BPSK	1	271		13.55			
100	PI/2 BPSK	135	0		13.47		15.0	0.0
100	PI/2 BPSK	135	69		13.59		15.0	0.0
100	PI/2 BPSK	135	138		13.65		15.0	0.0
100	PI/2 BPSK	270	0		13.69			
100	QPSK	1	1		13.73		15.0	0.0
100	QPSK	1	137		13.53			
100	QPSK	1	271		13.62			
100	QPSK	135	0		13.59		15.0	0.0
100	QPSK	135	69		13.71		15.0	0.0
100	QPSK	135	138		13.70		15.0	0.0
100	QPSK	270	0		13.57			
100	16QAM	1	1		13.69		15.0	0.0
100	64QAM	1	1		13.53		15.0	0.0
100	256QAM	1	1		13.51		15.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	15.0	0.0
80	QPSK	1	1		13.60	13.70	13.63	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	15.0	0.0
40	QPSK	1	1		13.61	13.60	13.63	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	15.0	0.0
20	QPSK	1	1		13.66	13.56	13.63	0.0

Part27Q n78 Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			15.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		13.45		15.0	0.0
100	PI/2 BPSK	1	137		13.44			
100	PI/2 BPSK	1	271		13.56			
100	PI/2 BPSK	135	0		13.49		15.0	0.0
100	PI/2 BPSK	135	69		13.46		15.0	0.0
100	PI/2 BPSK	135	138		13.54		15.0	0.0
100	PI/2 BPSK	270	0		13.64			
100	QPSK	1	1		13.67		15.0	0.0
100	QPSK	1	137		13.52			
100	QPSK	1	271		13.48			
100	QPSK	135	0		13.53		15.0	0.0
100	QPSK	135	69		13.62		15.0	0.0
100	QPSK	135	138		13.55		15.0	0.0
100	QPSK	270	0		13.55			
100	16QAM	1	1		13.67		15.0	0.0
100	64QAM	1	1		13.53		15.0	0.0
100	256QAM	1	1		13.57		15.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	15.0	0.0
80	QPSK	1	1	13.56	13.65	13.54	15.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	15.0	0.0
40	QPSK	1	1	13.61	13.62	13.63	15.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	15.0	0.0
20	QPSK	1	1	13.55	13.51	13.56	15.0	0.0

Part270 n77 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.01	16.92	16.95			
100	PI/2 BPSK	1	137	17.00	16.98	17.11	18.0	0.0	
100	PI/2 BPSK	1	271	16.92	16.97	16.88			
100	PI/2 BPSK	135	0	17.10	16.98	16.99			
100	PI/2 BPSK	135	69	17.04	17.00	17.06			
100	PI/2 BPSK	135	138	16.91	17.01	17.08	18.0	0.0	
100	PI/2 BPSK	270	0	17.08	17.02	17.08	18.0	0.0	
100	QPSK	1	1	17.05	17.12	17.02			
100	QPSK	1	137	17.07	16.98	17.02			
100	QPSK	1	271	16.91	17.00	17.02			
100	QPSK	135	0	16.87	17.01	17.08	18.0	0.0	
100	QPSK	135	69	17.03	17.11	16.99	18.0	0.0	
100	QPSK	135	138	16.99	16.98	17.10			
100	QPSK	270	0	17.05	17.08	16.89			
100	16QAM	1	1	16.97	17.05	17.02	18.0	0.0	
100	64QAM	1	1	17.02	17.06	17.01	18.0	0.0	
100	256QAM	1	1	15.94	16.00	15.77	17.0	1.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.04	16.95	17.03	18.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	16.98	17.06	16.96	18.0	0.0	

Part27Q n77 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		16.99		18.0	0.0	
100	PI/2 BPSK	1	137		17.04				
100	PI/2 BPSK	1	271		17.05				
100	PI/2 BPSK	135	0		17.09		18.0	0.0	
100	PI/2 BPSK	135	69		17.12		18.0	0.0	
100	PI/2 BPSK	135	138		17.07				
100	PI/2 BPSK	270	0		17.09		18.0	0.0	
100	QPSK	1	1		17.18				
100	QPSK	1	137		17.02		18.0	0.0	
100	QPSK	1	271		16.98				
100	QPSK	135	0		16.97				
100	QPSK	135	69		17.17		18.0	0.0	
100	QPSK	135	138		16.96		18.0	0.0	
100	QPSK	270	0		17.11				
100	16QAM	1	1		17.07		18.0	0.0	
100	64QAM	1	1		17.07		18.0	0.0	
100	256QAM	1	1		16.05		18.0	0.0	
Channel					631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3470.01	3500.01	3530.01		
40	QPSK	1	1	17.09	17.06	17.01	18.0	0.0	
Channel					630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3460.02	3500.01	3540		
20	QPSK	1	1	17.08	17.06	17.15	18.0	0.0	

Part27O n78 Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	18.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.91		18.0	0.0
100	PI/2 BPSK	1	137		16.90			
100	PI/2 BPSK	1	271		17.03			
100	PI/2 BPSK	135	0		16.97		18.0	0.0
100	PI/2 BPSK	135	69		17.00		18.0	0.0
100	PI/2 BPSK	135	138		17.07		18.0	0.0
100	PI/2 BPSK	270	0		17.10			
100	QPSK	1	1		17.12		18.0	0.0
100	QPSK	1	137		16.97			
100	QPSK	1	271		17.01			
100	QPSK	135	0		16.97		18.0	0.0
100	QPSK	135	69		17.06		18.0	0.0
100	QPSK	135	138		17.02		18.0	0.0
100	QPSK	270	0		16.95			
100	16QAM	1	1		17.02		18.0	0.0
100	64QAM	1	1		17.06		18.0	0.0
100	256QAM	1	1		15.88		17.0	1.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		17.03	17.01	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		17.06	17.01	18.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		16.95	17.00	17.07	0.0

Part27Q n78 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			18.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		16.86		18.0	0.0	
100	PI/2 BPSK	1	137		16.84				
100	PI/2 BPSK	1	271		16.97				
100	PI/2 BPSK	135	0		16.83		18.0	0.0	
100	PI/2 BPSK	135	69		16.81		18.0	0.0	
100	PI/2 BPSK	135	138		16.92		18.0	0.0	
100	PI/2 BPSK	270	0		16.99				
100	QPSK	1	1		17.08		18.0	0.0	
100	QPSK	1	137		16.86				
100	QPSK	1	271		16.86				
100	QPSK	135	0		16.89		18.0	0.0	
100	QPSK	135	69		17.05		18.0	0.0	
100	QPSK	135	138		16.93		18.0	0.0	
100	QPSK	270	0		17.01				
100	16QAM	1	1		17.05		18.0	0.0	
100	64QAM	1	1		16.84		18.0	0.0	
100	256QAM	1	1		15.89		17.0	1.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	1	17.00	16.96	16.97	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	1	16.94	16.95	17.00	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	1	16.97	17.05	16.99	18.0	0.0

Part270 n77 Ant 10								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.27	18.20	18.36	19.0	0.0
100	PI/2 BPSK	1	137	18.29	18.21	18.30		
100	PI/2 BPSK	1	271	18.20	18.35	18.25		
100	PI/2 BPSK	135	0	18.41	18.26	18.22	19.0	0.0
100	PI/2 BPSK	135	69	18.29	18.23	18.23	19.0	0.0
100	PI/2 BPSK	135	138	18.26	18.26	18.29	19.0	0.0
100	PI/2 BPSK	270	0	18.41	18.28	18.34		
100	QPSK	1	1	18.33	18.46	18.39	19.0	0.0
100	QPSK	1	137	18.36	18.23	18.27		
100	QPSK	1	271	18.21	18.20	18.29		
100	QPSK	135	0	17.39	17.45	17.20	18.5	0.5
100	QPSK	135	69	18.34	18.43	18.20	19.0	0.0
100	QPSK	135	138	17.52	17.62	17.54	18.5	0.5
100	QPSK	270	0	17.49	17.59	17.54		
100	16QAM	1	1	17.37	17.54	17.57	18.5	0.5
100	64QAM	1	1	15.84	16.04	15.94	17.0	2.0
100	256QAM	1	1	13.74	13.96	13.70	15.0	4.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	13.14	13.41	13.20	13.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.17	18.42	18.26	19.0	0.0

Part27Q n77 Ant 10								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334		3500.01	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				633334		3500.01		
100	PI/2 BPSK	1	1	18.08			19.0	0.0
100	PI/2 BPSK	1	137	18.09				
100	PI/2 BPSK	1	271	18.11				
100	PI/2 BPSK	135	0	17.99			19.0	0.0
100	PI/2 BPSK	135	69	18.06			19.0	0.0
100	PI/2 BPSK	135	138	17.87			19.0	0.0
100	PI/2 BPSK	270	0	17.91				
100	QPSK	1	1	18.21			19.0	0.0
100	QPSK	1	137	18.01				
100	QPSK	1	271	18.02				
100	QPSK	135	0	17.46			18.5	0.5
100	QPSK	135	69	18.12			19.0	0.0
100	QPSK	135	138	17.37			18.5	0.5
100	QPSK	270	0	17.44				
100	16QAM	1	1	17.74			18.5	0.5
100	64QAM	1	1	16.20			17.0	2.0
100	256QAM	1	1	14.17			15.0	4.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	13.13	13.05	13.19	13.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.18	18.07	18.17	19.0	0.0

Part270 n78 Ant 10								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	19.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.89		19.0	0.0
100	PI/2 BPSK	1	137		17.95			
100	PI/2 BPSK	1	271		17.98			
100	PI/2 BPSK	135	0		17.97		19.0	0.0
100	PI/2 BPSK	135	69		17.91		19.0	0.0
100	PI/2 BPSK	135	138		18.05		19.0	0.0
100	PI/2 BPSK	270	0		18.01			
100	QPSK	1	1		18.12		19.0	0.0
100	QPSK	1	137		17.95			
100	QPSK	1	271		17.98			
100	QPSK	135	0		16.94		18.5	0.5
100	QPSK	135	69		17.92		19.0	0.0
100	QPSK	135	138		17.08		18.5	0.5
100	QPSK	270	0		17.06			
100	16QAM	1	1		17.01		18.5	0.5
100	64QAM	1	1		15.48		17.0	2.0
100	256QAM	1	1		13.47		15.0	4.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	19.0	0.0
80	QPSK	1	1		17.95	18.05	17.95	0.0
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	19.0	0.0
40	QPSK	1	1		18.04	18.08	17.95	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	19.0	0.0
20	QPSK	1	1		17.95	18.07	17.95	0.0

Part27Q n78 Ant 10								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		19.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.85		19.0	0.0
100	PI/2 BPSK	1	137		17.93			
100	PI/2 BPSK	1	271		18.01			
100	PI/2 BPSK	135	0		17.96		19.0	0.0
100	PI/2 BPSK	135	69		17.89		19.0	0.0
100	PI/2 BPSK	135	138		18.02		19.0	0.0
100	PI/2 BPSK	270	0		18.01			
100	QPSK	1	1		18.05		19.0	0.0
100	QPSK	1	137		17.87			
100	QPSK	1	271		17.92			
100	QPSK	135	0		17.23		18.5	0.5
100	QPSK	135	69		18.03		19.0	0.0
100	QPSK	135	138		17.20		18.5	0.5
100	QPSK	270	0		17.25			
100	16QAM	1	1		17.43		18.5	0.5
100	64QAM	1	1		15.99		17.0	2.0
100	256QAM	1	1		13.90		15.0	4.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	19.0	0.0
80	QPSK	1	1		17.88	18.02	17.91	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	19.0	0.0
40	QPSK	1	1		17.91	17.94	17.96	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	19.0	0.0
20	QPSK	1	1		17.91	17.97	17.86	0.0

Receiver On Power

Part270 n77 Ant 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				650000	656000	662000	21.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.17	19.33	19.29			
100	PI/2 BPSK	1	137	19.16	19.24	19.29	21.0	0.0	
100	PI/2 BPSK	1	271	19.09	19.35	19.30			
100	PI/2 BPSK	135	0	19.21	19.26	19.25			
100	PI/2 BPSK	135	69	19.22	19.25	19.34	21.0	0.0	
100	PI/2 BPSK	135	138	19.16	19.38	19.28			
100	PI/2 BPSK	270	0	19.27	19.29	19.33			
100	QPSK	1	1	19.36	19.39	19.23	21.0	0.0	
100	QPSK	1	137	19.13	19.22	19.22			
100	QPSK	1	271	19.21	19.32	19.23			
100	QPSK	135	0	19.31	19.31	19.32	21.0	0.0	
100	QPSK	135	69	19.27	19.35	19.25			
100	QPSK	135	138	19.23	19.29	19.19			
100	QPSK	270	0	19.28	19.31	19.27	21.0	0.0	
100	16QAM	1	1	19.10	19.26	19.22			
100	64QAM	1	1	19.14	19.35	19.34		21.0	
100	256QAM	1	1	18.21	18.24	18.10	20.0		
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	19.26	19.35	19.09	21.0	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	19.18	19.25	19.21	21.0	0.0	

Part27Q n77 Ant 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				633334			21.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		19.32				
100	PI/2 BPSK	1	137		19.32		21.0	0.0	
100	PI/2 BPSK	1	271		19.25				
100	PI/2 BPSK	135	0		19.26				
100	PI/2 BPSK	135	69		19.29		21.0	0.0	
100	PI/2 BPSK	135	138		19.45				
100	PI/2 BPSK	270	0		19.22				
100	QPSK	1	1		19.47		21.0	0.0	
100	QPSK	1	137		19.38				
100	QPSK	1	271		19.23				
100	QPSK	135	0		19.23		21.0	0.0	
100	QPSK	135	69		19.43				
100	QPSK	135	138		19.20				
100	QPSK	270	0		19.38		21.0	0.0	
100	16QAM	1	1		19.37				
100	64QAM	1	1		19.26			21.0	
100	256QAM	1	1		18.26		20.0		
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	19.41	19.41	19.43	21.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	19.35	19.36	19.41	21.0	0.0	

Part270 n78 Ant 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				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	19.75			21.0	0.0
100	PI/2 BPSK	1	137	19.76				
100	PI/2 BPSK	1	271	19.74				
100	PI/2 BPSK	135	0	19.53			21.0	0.0
100	PI/2 BPSK	135	69	19.68			21.0	0.0
100	PI/2 BPSK	135	138	19.78			21.0	0.0
100	PI/2 BPSK	270	0	19.69				
100	QPSK	1	1	19.86			21.0	0.0
100	QPSK	1	137	19.67				
100	QPSK	1	271	19.73				
100	QPSK	135	0	19.67			21.0	0.0
100	QPSK	135	69	19.84			21.0	0.0
100	QPSK	135	138	19.56			21.0	0.0
100	QPSK	270	0	19.72				
100	16QAM	1	1	19.75			21.0	0.0
100	64QAM	1	1	19.76			21.0	0.0
100	256QAM	1	1	18.08			20.0	1.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	19.22	19.27	19.19	21.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.16	19.19	19.26	21.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	19.22	19.35	19.23	21.0	0.0

Part27Q n78 Ant 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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	19.19			21.0	0.0
100	PI/2 BPSK	1	137	19.08				
100	PI/2 BPSK	1	271	19.04				
100	PI/2 BPSK	135	0	19.04			21.0	0.0
100	PI/2 BPSK	135	69	19.04			21.0	0.0
100	PI/2 BPSK	135	138	19.09			21.0	0.0
100	PI/2 BPSK	270	0	19.13				
100	QPSK	1	1	19.24			21.0	0.0
100	QPSK	1	137	19.14				
100	QPSK	1	271	19.14				
100	QPSK	135	0	19.01			21.0	0.0
100	QPSK	135	69	19.21			21.0	0.0
100	QPSK	135	138	19.02			21.0	0.0
100	QPSK	270	0	19.11				
100	16QAM	1	1	19.14			21.0	0.0
100	64QAM	1	1	19.07			21.0	0.0
100	256QAM	1	1	18.08			20.0	1.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	19.16	19.06	19.16	21.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	19.20	19.04	19.18	21.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.19	19.18	19.08	21.0	0.0

Part270 n77 Ant 5									
5	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.26	15.37	15.23	16.5	0.0	
100	PI/2 BPSK	1	137	15.23	15.31	15.33			
100	PI/2 BPSK	1	271	15.19	15.39	15.42			
100	PI/2 BPSK	135	0	15.38	15.27	15.43			
100	PI/2 BPSK	135	69	15.40	15.42	15.18	16.5	0.0	
100	PI/2 BPSK	135	138	15.17	15.44	15.23	16.5	0.0	
100	PI/2 BPSK	270	0	15.28	15.15	15.19			
100	QPSK	1	1	15.28	15.46	15.39	16.5	0.0	
100	QPSK	1	137	15.28	15.30	15.25			
100	QPSK	1	271	15.26	15.39	15.29			
100	QPSK	135	0	15.28	15.25	15.17		0.0	
100	QPSK	135	69	15.21	15.41	15.31	16.5	0.0	
100	QPSK	135	138	15.19	15.20	15.36	16.5	0.0	
100	QPSK	270	0	15.37	15.38	15.33			
100	16QAM	1	1	15.28	15.45	15.33	16.5	0.0	
100	64QAM	1	1	15.30	15.27	15.16	16.5	0.0	
100	256QAM	1	1	15.34	15.41	15.31	16.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.37	15.31	15.20	16.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.35	15.44	15.45	16.5	0.0	

Part27Q n77 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI/2 BPSK	1	1	15.29			16.5	0.0	
100	PI/2 BPSK	1	137	15.14					
100	PI/2 BPSK	1	271	15.26					
100	PI/2 BPSK	135	0	15.02					
100	PI/2 BPSK	135	69	15.23			16.5	0.0	
100	PI/2 BPSK	135	138	15.15					
100	PI/2 BPSK	270	0	15.14			16.5	0.0	
100	QPSK	1	1	15.32					
100	QPSK	1	137	15.20					
100	QPSK	1	271	15.21					
100	QPSK	135	0	15.08			16.5	0.0	
100	QPSK	135	69	15.26					
100	QPSK	135	138	15.19			16.5	0.0	
100	QPSK	270	0	15.16					
100	16QAM	1	1	15.22			16.5	0.0	
100	64QAM	1	1	15.14			16.5	0.0	
100	256QAM	1	1	15.12			16.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	15.27	15.18	15.18	10.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	15.20	15.29	15.24	16.5	0.0	

Part27O n78 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		14.97		16.5	0.0
100	PI/2 BPSK	1	137		14.96			
100	PI/2 BPSK	1	271		14.99			
100	PI/2 BPSK	135	0		14.80			
100	PI/2 BPSK	135	69		15.09		16.5	0.0
100	PI/2 BPSK	135	138		15.02		16.5	0.0
100	PI/2 BPSK	270	0		14.95			
100	QPSK	1	1		15.12		16.5	0.0
100	QPSK	1	137		14.90			
100	QPSK	1	271		14.95			
100	QPSK	135	0		14.82			
100	QPSK	135	69		15.11		16.5	0.0
100	QPSK	135	138		14.82		16.5	0.0
100	QPSK	270	0		14.97			
100	16QAM	1	1		14.94		16.5	0.0
100	64QAM	1	1		14.89		16.5	0.0
100	256QAM	1	1		15.06		16.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		14.98	15.02	14.97	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		15.03	15.11	15.04	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		15.01	14.98	15.01	0.0

Part27Q n78 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.00		16.5	0.0
100	PI/2 BPSK	1	137		15.00			
100	PI/2 BPSK	1	271		14.93			
100	PI/2 BPSK	135	0		14.81			
100	PI/2 BPSK	135	69		15.14		16.5	0.0
100	PI/2 BPSK	135	138		15.01		16.5	0.0
100	PI/2 BPSK	270	0		15.00			
100	QPSK	1	1		15.15		16.5	0.0
100	QPSK	1	137		14.95			
100	QPSK	1	271		15.05			
100	QPSK	135	0		14.97			
100	QPSK	135	69		15.13		16.5	0.0
100	QPSK	135	138		15.03		16.5	0.0
100	QPSK	270	0		15.11			
100	16QAM	1	1		15.05		16.5	0.0
100	64QAM	1	1		15.01		16.5	0.0
100	256QAM	1	1		15.08		16.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		15.03	15.08	14.99	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		15.04	15.13	15.00	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		15.10	15.07	15.09	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	16.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.94	15.06	14.99		
100	PI/2 BPSK	1	137	15.01	14.99	15.00		
100	PI/2 BPSK	1	271	14.88	14.92	14.90	16.0	0.0
100	PI/2 BPSK	135	0	15.08	14.94	14.98		
100	PI/2 BPSK	135	69	15.02	15.05	14.88		
100	PI/2 BPSK	135	138	14.82	15.09	14.90		
100	PI/2 BPSK	270	0	14.99	14.89	14.87	16.0	0.0
100	QPSK	1	1	15.07	15.12	14.91		
100	QPSK	1	137	15.11	14.92	15.03		
100	QPSK	1	271	14.96	14.94	15.01		
100	QPSK	135	0	14.99	14.85	14.84	16.0	0.0
100	QPSK	135	69	15.01	15.06	14.95		
100	QPSK	135	138	14.88	14.98	14.88		
100	QPSK	270	0	14.98	15.03	14.98		
100	16QAM	1	1	14.92	15.07	15.02	16.0	0.0
100	64QAM	1	1	14.90	14.82	14.81		
100	256QAM	1	1	14.44	14.50	14.27		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	16.0	0.0
40	QPSK	1	1	14.94	15.01	14.74		
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	14.93	14.98	14.80	16.0	0.0

Part27Q n77 Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334		3500.01	16.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	15.17				
100	PI/2 BPSK	1	137	15.03				
100	PI/2 BPSK	1	271	15.01			16.0	0.0
100	PI/2 BPSK	135	0	15.01				
100	PI/2 BPSK	135	69	15.12				
100	PI/2 BPSK	135	138	15.21				
100	PI/2 BPSK	270	0	14.96			16.0	0.0
100	QPSK	1	1	15.22				
100	QPSK	1	137	15.08				
100	QPSK	1	271	15.06				
100	QPSK	135	0	15.02			16.0	0.0
100	QPSK	135	69	15.18				
100	QPSK	135	138	15.02				
100	QPSK	270	0	15.02				
100	16QAM	1	1	15.18			16.0	0.0
100	64QAM	1	1	15.10				
100	256QAM	1	1	14.55				
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	16.0	0.0
40	QPSK	1	1	15.18	15.05	15.19		
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.08	15.10	15.14	16.0	0.0

Part27O n78 Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	15.06			16.0	0.0
100	PI/2 BPSK	1	137	14.98				
100	PI/2 BPSK	1	271	15.04				
100	PI/2 BPSK	135	0	14.94				
100	PI/2 BPSK	135	69	14.96			16.0	0.0
100	PI/2 BPSK	135	138	15.07			16.0	0.0
100	PI/2 BPSK	270	0	14.84			16.0	0.0
100	QPSK	1	1	15.08				
100	QPSK	1	137	14.98				
100	QPSK	1	271	15.00				
100	QPSK	135	0	14.93			16.0	0.0
100	QPSK	135	69	15.06			16.0	0.0
100	QPSK	135	138	14.98			16.0	0.0
100	QPSK	270	0	15.02			16.0	0.0
100	16QAM	1	1	15.03				
100	64QAM	1	1	14.88				
100	256QAM	1	1	14.38				
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	14.90	14.90	15.01	16.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.06	14.92	14.91	16.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	14.96	15.04	14.97	16.0	0.0

Part27Q n78 Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		15.00		16.0	0.0
100	PI/2 BPSK	1	137		15.01			
100	PI/2 BPSK	1	271		14.95			
100	PI/2 BPSK	135	0		14.78			
100	PI/2 BPSK	135	69		15.02		16.0	0.0
100	PI/2 BPSK	135	138		14.89		16.0	0.0
100	PI/2 BPSK	270	0		14.87			
100	QPSK	1	1		15.03			
100	QPSK	1	137		14.82			
100	QPSK	1	271		14.91		16.0	0.0
100	QPSK	135	0		14.87			
100	QPSK	135	69		14.98			
100	QPSK	135	138		14.84			
100	QPSK	270	0		14.93		16.0	0.0
100	16QAM	1	1		14.91		16.0	0.0
100	64QAM	1	1		14.91		16.0	0.0
100	256QAM	1	1		14.39		15.5	0.5
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	14.91	15.01	15.00	16.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.91	14.98	14.90	16.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.94	15.02	14.94	16.0	0.0

Part27O n77 Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	19.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.18	18.40	18.37	19.5	0.0
100	PI/2 BPSK	1	137	18.67	18.71	18.52		
100	PI/2 BPSK	1	271	18.61	18.64	18.67		
100	PI/2 BPSK	135	0	17.91	17.94	17.77	19.0	0.5
100	PI/2 BPSK	135	69	18.61	18.61	18.62	19.5	0.0
100	PI/2 BPSK	135	138	18.01	18.10	17.95	19.0	0.5
100	PI/2 BPSK	270	0	18.08	18.06	17.97		
100	QPSK	1	1	18.61	18.65	18.73	19.5	0.0
100	QPSK	1	137	18.80	18.76	18.67		
100	QPSK	1	271	18.63	18.77	18.74		
100	QPSK	135	0	17.39	17.45	17.20	18.5	1.0
100	QPSK	135	69	18.53	18.64	18.62	19.5	0.0
100	QPSK	135	138	17.52	17.62	17.54	18.5	1.0
100	QPSK	270	0	17.49	17.59	17.54		
100	16QAM	1	1	17.37	17.54	17.57	18.5	1.0
100	64QAM	1	1	15.84	16.04	15.94	17.0	2.5
100	256QAM	1	1	13.74	13.96	13.70	15.0	4.5
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	19.5	0.0
40	QPSK	1	1	18.64	18.70	18.76	19.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	19.5	0.0
20	QPSK	1	1	18.42	18.77	18.51	19.5	0.0

Part27Q n77 Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334		3500.01	19.5	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		18.58		19.5	0.0
100	PI/2 BPSK	1	137		18.42			
100	PI/2 BPSK	1	271		18.38			
100	PI/2 BPSK	135	0		17.98		19.0	0.5
100	PI/2 BPSK	135	69		18.38		19.5	0.0
100	PI/2 BPSK	135	138		17.87		19.0	0.5
100	PI/2 BPSK	270	0		17.91			
100	QPSK	1	1		18.64		19.5	0.0
100	QPSK	1	137		18.62			
100	QPSK	1	271		18.49			
100	QPSK	135	0		17.46		18.5	1.0
100	QPSK	135	69		18.41		19.5	0.0
100	QPSK	135	138		17.37		18.5	1.0
100	QPSK	270	0		17.44			
100	16QAM	1	1		17.74		18.5	1.0
100	64QAM	1	1		16.20		17.0	2.5
100	256QAM	1	1		14.17		15.0	4.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	19.5	0.0
40	QPSK	1	1	18.58	18.49	18.57	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	19.5	0.0
20	QPSK	1	1	18.50	18.49	18.56	19.5	0.0

Part27O n78 Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	19.5	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.95		19.5	0.0
100	PI/2 BPSK	1	137		18.07			
100	PI/2 BPSK	1	271		18.41			
100	PI/2 BPSK	135	0		17.45		19.0	0.5
100	PI/2 BPSK	135	69		18.07		19.5	0.0
100	PI/2 BPSK	135	138		17.61		19.0	0.5
100	PI/2 BPSK	270	0		17.57			
100	QPSK	1	1		18.55		19.5	0.0
100	QPSK	1	137		18.19			
100	QPSK	1	271		18.38			
100	QPSK	135	0		18.94		18.5	1.0
100	QPSK	135	69		18.31		19.5	0.0
100	QPSK	135	138		17.08		18.5	1.0
100	QPSK	270	0		17.06			
100	16QAM	1	1		17.01		18.5	1.0
100	64QAM	1	1		15.48		17.0	2.5
100	256QAM	1	1		13.47		15.0	4.5
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		13.33	13.37	13.50	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		13.44	13.37	13.41	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		18.41	18.54	18.39	0.0

Part27Q n78 Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		19.5	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.25		19.5	0.0
100	PI/2 BPSK	1	137		18.30			
100	PI/2 BPSK	1	271		18.20			
100	PI/2 BPSK	135	0		17.80		19.0	0.5
100	PI/2 BPSK	135	69		18.25		19.5	0.0
100	PI/2 BPSK	135	138		17.71		19.0	0.5
100	PI/2 BPSK	270	0		17.75			
100	QPSK	1	1		18.39		19.5	0.0
100	QPSK	1	137		18.37			
100	QPSK	1	271		18.33			
100	QPSK	135	0		17.23		18.5	1.0
100	QPSK	135	69		18.21		19.5	0.0
100	QPSK	135	138		17.20		18.5	1.0
100	QPSK	270	0		17.25			
100	16QAM	1	1		17.43		18.5	1.0
100	64QAM	1	1		15.99		17.0	2.5
100	256QAM	1	1		13.90		15.0	4.5
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		18.21	18.27	18.19	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		18.34	18.14	18.15	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		18.23	18.37	18.16	0.0

Receiver Off Power

Part270 n77 Ant 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				650000	656000	662000	19.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.81	17.87	17.75	19.5	0.0	
100	PI/2 BPSK	1	137	17.71	17.81	17.75			
100	PI/2 BPSK	1	271	17.58	17.73	17.71			
100	PI/2 BPSK	135	0	17.71	17.62	17.82	19.5	0.0	
100	PI/2 BPSK	135	69	17.76	17.81	17.55	19.5	0.0	
100	PI/2 BPSK	135	138	17.68	17.83	17.74	19.5	0.0	
100	PI/2 BPSK	270	0	17.67	17.55	17.71			
100	QPSK	1	1	17.84	17.89	17.84			
100	QPSK	1	137	17.72	17.62	17.82	19.5	0.0	
100	QPSK	1	271	17.74	17.76	17.68			
100	QPSK	135	0	17.70	17.55	17.63	19.5	0.0	
100	QPSK	135	69	17.81	17.85	17.77	19.5	0.0	
100	QPSK	135	138	17.56	17.72	17.64	19.5	0.0	
100	QPSK	270	0	17.79	17.82	17.76			
100	16QAM	1	1	17.60	17.85	17.82	19.5	0.0	
100	64QAM	1	1	17.66	17.66	17.54	19.5	0.0	
100	256QAM	1	1	17.84	17.75	17.65	19.5	0.0	
Channel				648000	656000	664000	19.5	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.84	17.88	17.74	19.5	0.0	
Channel				647334	656000	664668	19.5	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	17.71	17.83	17.69	19.5	0.0	

Part27Q n77 Ant 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						633334	19.5	0.0	
Frequency (MHz)						3500.01			
100	PI/2 BPSK	1	1			17.93	19.5	0.0	
100	PI/2 BPSK	1	137			17.81			
100	PI/2 BPSK	1	271			17.77			
100	PI/2 BPSK	135	0			17.59	19.5	0.0	
100	PI/2 BPSK	135	69			17.89	19.5	0.0	
100	PI/2 BPSK	135	138			17.92	19.5	0.0	
100	PI/2 BPSK	270	0			17.76			
100	QPSK	1	1			17.94			
100	QPSK	1	137			17.66	19.5	0.0	
100	QPSK	1	271			17.77			
100	QPSK	135	0			17.65	19.5	0.0	
100	QPSK	135	69			17.92	19.5	0.0	
100	QPSK	135	138			17.70	19.5	0.0	
100	QPSK	270	0			17.86			
100	16QAM	1	1			17.87	19.5	0.0	
100	64QAM	1	1			17.78	19.5	0.0	
100	256QAM	1	1			17.86	19.5	0.0	
Channel				631334	633334	635334	19.5	0.0	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	17.89	17.81	17.89	19.5	0.0	
Channel				630668	633334	636000	19.5	0.0	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.83	17.92	17.86	19.5	0.0	

Part270 n78 Ant 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				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	17.74			19.5	0.0
100	PI/2 BPSK	1	137	17.72				
100	PI/2 BPSK	1	271	17.58				
100	PI/2 BPSK	135	0	17.54			19.5	0.0
100	PI/2 BPSK	135	69	17.83			19.5	0.0
100	PI/2 BPSK	135	138	17.73			19.5	0.0
100	PI/2 BPSK	270	0	17.61				
100	QPSK	1	1	17.84			19.5	0.0
100	QPSK	1	137	17.56				
100	QPSK	1	271	17.66				
100	QPSK	135	0	17.60			19.5	0.0
100	QPSK	135	69	17.81			19.5	0.0
100	QPSK	135	138	17.65			19.5	0.0
100	QPSK	270	0	17.77				
100	16QAM	1	1	17.80			19.5	0.0
100	64QAM	1	1	17.64			19.5	0.0
100	256QAM	1	1	17.71			19.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.79	17.78	17.73	19.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.74	17.79	17.70	19.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.72	17.78	17.66	19.5	0.0

Part27Q n78 Ant 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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	17.64			19.5	0.0
100	PI/2 BPSK	1	137	17.71				
100	PI/2 BPSK	1	271	17.67				
100	PI/2 BPSK	135	0	17.63			19.5	0.0
100	PI/2 BPSK	135	69	17.77			19.5	0.0
100	PI/2 BPSK	135	138	17.65			19.5	0.0
100	PI/2 BPSK	270	0	17.63				
100	QPSK	1	1	17.80			19.5	0.0
100	QPSK	1	137	17.72				
100	QPSK	1	271	17.60				
100	QPSK	135	0	17.69			19.5	0.0
100	QPSK	135	69	17.77			19.5	0.0
100	QPSK	135	138	17.60			19.5	0.0
100	QPSK	270	0	17.72				
100	16QAM	1	1	17.72			19.5	0.0
100	64QAM	1	1	17.63			19.5	0.0
100	256QAM	1	1	17.77			19.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.66	17.78	17.77	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.75	17.65	17.65	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.63	17.68	17.62	19.5	0.0

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5	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	20.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.77	18.94	18.79	20.0	0.0
100	PI/2 BPSK	1	137	18.69	18.73	18.71		
100	PI/2 BPSK	1	271	18.66	18.74	18.72		
100	PI/2 BPSK	135	0	18.75	18.55	18.79	20.0	0.0
100	PI/2 BPSK	135	69	18.84	18.62	18.48	20.0	0.0
100	PI/2 BPSK	135	138	18.66	18.92	18.77	20.0	0.0
100	PI/2 BPSK	270	0	18.70	18.50	18.77		
100	QPSK	1	1	18.75	18.95	18.89	20.0	0.0
100	QPSK	1	137	18.66	18.60	18.77		
100	QPSK	1	271	18.74	18.76	18.65		
100	QPSK	135	0	18.67	18.63	18.65	20.0	0.0
100	QPSK	135	69	18.83	18.65	18.81	20.0	0.0
100	QPSK	135	138	18.54	18.77	18.65	20.0	0.0
100	QPSK	270	0	18.71	18.62	18.75		
100	16QAM	1	1	18.59	18.91	18.87	20.0	0.0
100	64QAM	1	1	18.69	18.70	18.45	20.0	0.0
100	256QAM	1	1	17.08	17.21	17.05	18.5	1.5
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	20.0	0.0
40	QPSK	1	1	18.78	18.86	18.76	20.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	20.0	0.0
20	QPSK	1	1	18.70	18.74	18.60	20.0	0.0

Part27Q n77 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			20.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	18.73			20.0	0.0
100	PI/2 BPSK	1	137	18.67				
100	PI/2 BPSK	1	271	18.74				
100	PI/2 BPSK	135	0	18.70			20.0	0.0
100	PI/2 BPSK	135	69	18.71			20.0	0.0
100	PI/2 BPSK	135	138	18.64			20.0	0.0
100	PI/2 BPSK	270	0	18.68				
100	QPSK	1	1	18.81			20.0	0.0
100	QPSK	1	137	18.75				
100	QPSK	1	271	18.57				
100	QPSK	135	0	18.68			20.0	0.0
100	QPSK	135	69	18.76			20.0	0.0
100	QPSK	135	138	18.64			20.0	0.0
100	QPSK	270	0	18.71				
100	16QAM	1	1	18.71			20.0	0.0
100	64QAM	1	1	18.70			20.0	0.0
100	256QAM	1	1	17.25			18.5	1.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	20.0	0.0
40	QPSK	1	1	18.70	18.71	18.79	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	20.0	0.0
20	QPSK	1	1	18.73	18.74	18.58	20.0	0.0

Part27O n78 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	20.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.48		20.0	0.0
100	PI/2 BPSK	1	137		18.62			
100	PI/2 BPSK	1	271		18.60			
100	PI/2 BPSK	135	0		18.47		20.0	0.0
100	PI/2 BPSK	135	69		18.61		20.0	0.0
100	PI/2 BPSK	135	138		18.49		20.0	0.0
100	PI/2 BPSK	270	0		18.49			
100	QPSK	1	1		18.76		20.0	0.0
100	QPSK	1	137		18.60			
100	QPSK	1	271		18.50			
100	QPSK	135	0		18.66		20.0	0.0
100	QPSK	135	69		18.74		20.0	0.0
100	QPSK	135	138		18.52		20.0	0.0
100	QPSK	270	0		18.71			
100	16QAM	1	1		18.65		20.0	0.0
100	64QAM	1	1		18.55		20.0	0.0
100	256QAM	1	1		18.78		18.5	1.5
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		18.53	18.73	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		18.69	18.52	20.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		18.49	18.50	20.0	0.0

Part27Q n78 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		20.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.40		20.0	0.0
100	PI/2 BPSK	1	137		18.44			
100	PI/2 BPSK	1	271		18.51			
100	PI/2 BPSK	135	0		18.41		20.0	0.0
100	PI/2 BPSK	135	69		18.60		20.0	0.0
100	PI/2 BPSK	135	138		18.51		20.0	0.0
100	PI/2 BPSK	270	0		18.50			
100	QPSK	1	1		18.68		20.0	0.0
100	QPSK	1	137		18.50			
100	QPSK	1	271		18.40			
100	QPSK	135	0		18.55		20.0	0.0
100	QPSK	135	69		18.56		20.0	0.0
100	QPSK	135	138		18.42		20.0	0.0
100	QPSK	270	0		18.46			
100	16QAM	1	1		18.44		20.0	0.0
100	64QAM	1	1		18.47		20.0	0.0
100	256QAM	1	1		17.01		18.5	1.5
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		18.43	18.63	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		18.64	18.50	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		18.51	18.41	20.0	0.0

Part270 n77 Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.80	17.95	17.82	19.0	0.0
100	PI/2 BPSK	1	137	17.77	17.83	17.77		
100	PI/2 BPSK	1	271	17.68	17.66	17.56		
100	PI/2 BPSK	135	0	17.59	17.81	17.79		
100	PI/2 BPSK	135	69	17.76	17.89	17.83	19.0	0.0
100	PI/2 BPSK	135	138	17.49	17.68	17.55	19.0	0.0
100	PI/2 BPSK	270	0	17.70	17.82	17.66		
100	QPSK	1	1	18.02	18.19	17.88	19.0	0.0
100	QPSK	1	137	17.81	17.96	17.87		
100	QPSK	1	271	17.63	17.90	17.70		
100	QPSK	135	0	17.74	17.81	17.76		
100	QPSK	135	69	17.68	17.96	17.74	19.0	0.0
100	QPSK	135	138	17.55	17.69	17.53	19.0	0.0
100	QPSK	270	0	17.80	17.98	17.95		
100	16QAM	1	1	17.80	18.14	17.95	19.0	0.0
100	64QAM	1	1	17.85	17.99	17.79	19.0	0.0
100	256QAM	1	1	15.94	16.00	15.77	17.0	2.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.91	17.99	17.81	19.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.97	17.99	17.81	19.0	0.0

Part27Q n77 Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel						633334		
Frequency (MHz)						3500.01		
100	PI/2 BPSK	1	1			17.90	19.0	0.0
100	PI/2 BPSK	1	137			17.81		
100	PI/2 BPSK	1	271			17.60		
100	PI/2 BPSK	135	0			17.74		
100	PI/2 BPSK	135	69			17.74	19.0	0.0
100	PI/2 BPSK	135	138			17.60	19.0	0.0
100	PI/2 BPSK	270	0			17.72		
100	QPSK	1	1			18.09	19.0	0.0
100	QPSK	1	137			17.92		
100	QPSK	1	271			17.75		
100	QPSK	135	0			17.71		
100	QPSK	135	69			17.82	19.0	0.0
100	QPSK	135	138			17.56	19.0	0.0
100	QPSK	270	0			17.78		
100	16QAM	1	1			18.06	19.0	0.0
100	64QAM	1	1			18.01	19.0	0.0
100	256QAM	1	1			16.05	17.0	2.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.90	17.94	17.59	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.88	17.92	17.69	19.0	0.0

Part27O n78 Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	19.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.74		19.0	0.0
100	PI/2 BPSK	1	137		17.63			
100	PI/2 BPSK	1	271		17.49			
100	PI/2 BPSK	135	0		17.70		19.0	0.0
100	PI/2 BPSK	135	69		17.66		19.0	0.0
100	PI/2 BPSK	135	138		17.50		19.0	0.0
100	PI/2 BPSK	270	0		17.69			
100	QPSK	1	1		17.97		19.0	0.0
100	QPSK	1	137		17.79			
100	QPSK	1	271		17.62			
100	QPSK	135	0		17.69		19.0	0.0
100	QPSK	135	69		17.66		19.0	0.0
100	QPSK	135	138		17.51		19.0	0.0
100	QPSK	270	0		17.68			
100	16QAM	1	1		17.91		19.0	0.0
100	64QAM	1	1		17.87		19.0	0.0
100	256QAM	1	1		15.88		17.0	2.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		17.78	17.59	19.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		17.77	17.51	19.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		17.72	17.50	19.0	0.0

Part27Q n78 Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		17.79		19.0	0.0	
100	PI/2 BPSK	1	137		17.71				
100	PI/2 BPSK	1	271		17.56				
100	PI/2 BPSK	135	0		17.60		19.0	0.0	
100	PI/2 BPSK	135	69		17.63		19.0	0.0	
100	PI/2 BPSK	135	138		17.45		19.0	0.0	
100	PI/2 BPSK	270	0		17.66				
100	QPSK	1	1		17.93		19.0	0.0	
100	QPSK	1	137		17.84				
100	QPSK	1	271		17.67				
100	QPSK	135	0		17.63		19.0	0.0	
100	QPSK	135	69		17.66		19.0	0.0	
100	QPSK	135	138		17.49		19.0	0.0	
100	QPSK	270	0		17.74				
100	16QAM	1	1		17.42		19.0	0.0	
100	64QAM	1	1		17.90		19.0	0.0	
100	256QAM	1	1		15.89		17.0	2.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		17.77	17.81	17.59	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		17.79	17.77	17.57	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		17.73	17.77	17.51	19.0	0.0

Part27O n77 Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	19.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.18	18.40	18.37	19.5	0.0
100	PI/2 BPSK	1	137	18.67	18.71	18.52		
100	PI/2 BPSK	1	271	18.61	18.64	18.67		
100	PI/2 BPSK	135	0	17.91	17.94	17.77	19.0	0.5
100	PI/2 BPSK	135	69	18.61	18.61	18.62	19.5	0.0
100	PI/2 BPSK	135	138	18.01	18.10	17.95	19.0	0.5
100	PI/2 BPSK	270	0	18.08	18.06	17.97		
100	QPSK	1	1	18.61	18.65	18.73	19.5	0.0
100	QPSK	1	137	18.80	18.76	18.67		
100	QPSK	1	271	18.63	18.77	18.74		
100	QPSK	135	0	17.39	17.45	17.20	18.5	1.0
100	QPSK	135	69	18.53	18.64	18.62	19.5	0.0
100	QPSK	135	138	17.52	17.62	17.54	18.5	1.0
100	QPSK	270	0	17.49	17.59	17.54		
100	16QAM	1	1	17.37	17.54	17.57	18.5	1.0
100	64QAM	1	1	15.84	16.04	15.94	17.0	2.5
100	256QAM	1	1	13.74	13.98	13.70	15.0	4.5
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	19.5	0.0
40	QPSK	1	1	18.64	18.70	18.76	19.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	19.5	0.0
20	QPSK	1	1	18.42	18.77	18.51	19.5	0.0

Part27Q n77 Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334		3500.01	19.5	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		18.58		19.5	0.0
100	PI/2 BPSK	1	137		18.42			
100	PI/2 BPSK	1	271		18.38			
100	PI/2 BPSK	135	0		17.98		19.0	0.5
100	PI/2 BPSK	135	69		18.38		19.5	0.0
100	PI/2 BPSK	135	138		17.87		19.0	0.5
100	PI/2 BPSK	270	0		17.91			
100	QPSK	1	1		18.64		19.5	0.0
100	QPSK	1	137		18.62			
100	QPSK	1	271		18.49			
100	QPSK	135	0		17.46		18.5	1.0
100	QPSK	135	69		18.41		19.5	0.0
100	QPSK	135	138		17.37		18.5	1.0
100	QPSK	270	0		17.44			
100	16QAM	1	1		17.74		18.5	1.0
100	64QAM	1	1		16.20		17.0	2.5
100	256QAM	1	1		14.17		15.0	4.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	19.5	0.0
40	QPSK	1	1	18.58	18.49	18.57	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	19.5	0.0
20	QPSK	1	1	18.50	18.49	18.56	19.5	0.0

Part27O n78 Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	19.5	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.95		19.5	0.0
100	PI/2 BPSK	1	137		18.07			
100	PI/2 BPSK	1	271		18.41			
100	PI/2 BPSK	135	0		17.45		19.0	0.5
100	PI/2 BPSK	135	69		18.07		19.5	0.0
100	PI/2 BPSK	135	138		17.61		19.0	0.5
100	PI/2 BPSK	270	0		17.57			
100	QPSK	1	1		18.55		19.5	0.0
100	QPSK	1	137		18.19			
100	QPSK	1	271		18.38			
100	QPSK	135	0		18.94		18.5	1.0
100	QPSK	135	69		18.31		19.5	0.0
100	QPSK	135	138		17.08		18.5	1.0
100	QPSK	270	0		17.06			
100	16QAM	1	1		17.01		18.5	1.0
100	64QAM	1	1		15.48		17.0	2.5
100	256QAM	1	1		13.47		15.0	4.5
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		18.33	18.37	18.50	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		18.44	18.37	18.41	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		18.41	18.54	18.39	0.0

Part27Q n78 Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		19.5	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.25		19.5	0.0
100	PI/2 BPSK	1	137		18.30			
100	PI/2 BPSK	1	271		18.20			
100	PI/2 BPSK	135	0		17.80		19.0	0.5
100	PI/2 BPSK	135	69		18.25		19.5	0.0
100	PI/2 BPSK	135	138		17.71		19.0	0.5
100	PI/2 BPSK	270	0		17.75			
100	QPSK	1	1		18.39		19.5	0.0
100	QPSK	1	137		18.37			
100	QPSK	1	271		18.33			
100	QPSK	135	0		17.23		18.5	1.0
100	QPSK	135	69		18.21		19.5	0.0
100	QPSK	135	138		17.20		18.5	1.0
100	QPSK	270	0		17.25			
100	16QAM	1	1		17.43		18.5	1.0
100	64QAM	1	1		15.99		17.0	2.5
100	256QAM	1	1		13.90		15.0	4.5
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		18.21	18.27	18.19	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		18.34	18.14	18.15	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		18.23	18.37	18.16	0.0



WLAN/Bluetooth Power

<2.4GHz WLAN>

	Mode	Channel	Frequency (MHz)	Ant 4 Default Power For Receiver off		Ant 4 Default Power For Receiver off		Ant 4-4 Default Power For Receiver off		Ant 4 For Receiver on		Ant 4 For Receiver on		Ant 4-4 For Receiver on		Ant 4 For Hotspot on		Ant 4 For Hotspot on		Ant 4 For Hotspot on		Ant 4 For Hotspot on		Ant 4 For Simultaneous		Ant 4 For Simultaneous		Ant 4-4 For Simultaneous		Duty Cycle %
				Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
2.4GHz WLAN	802.11b Mbps	1	2412	17.71	19.50	17.91	19.50	20.52	22.50	18.75	17.50	18.00	17.50	18.89	20.50	18.88	15.50	15.53	15.50	15.50	16.52	16.50	11.69	13.50	13.50	13.50	14.50	16.50	100.00	
		6	2437	17.62	19.50	17.82	19.50	20.53	22.50	18.72	17.50	18.63	17.50	18.69	20.50	18.89	15.50	15.50	15.50	15.50	16.78	16.50	11.78	13.50	13.50	13.50	14.76	16.50		
		11	2462	18.05	19.50	18.09	19.50	21.06	22.50	19.77	17.50	19.56	17.50	18.88	20.50	18.84	15.50	15.93	15.50	15.93	16.50	16.50	11.82	13.50	13.50	13.50	14.92	16.50		
	802.11g Mbps	1	2412	16.67	18.00	16.42	18.00	19.58	21.00	17.50	17.50	17.50	17.50	20.50	20.50	17.50	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50	99.32	
		6	2437	17.68	19.50	17.55	19.50	20.72	22.50	18.75	17.50	17.50	17.50	20.50	20.50	17.50	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50		
		11	2462	17.68	19.50	17.58	19.50	20.74	22.50	18.75	17.50	17.50	17.50	20.50	20.50	17.50	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50		
	802.11n-HT20 MCS0	1	2412	15.62	17.00	15.17	17.00	18.41	20.00	17.50	17.50	17.50	17.50	20.50	20.50	17.50	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50	100.00	
		6	2437	17.55	19.50	17.41	19.50	20.49	22.00	18.62	17.50	17.50	17.50	20.50	20.50	17.50	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50		
		11	2462	17.77	19.00	17.43	19.00	20.61	22.00	18.50	17.50	17.50	17.50	20.50	20.50	17.50	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50		
	802.11n-HT40 MCS0	3	2422	16.82	18.50	16.21	18.50	19.95	21.50	19.61	17.50	18.29	17.50	18.44	20.50	18.40	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50	100.00	
		6	2437	17.54	19.00	17.50	19.00	20.55	22.00	18.54	17.50	18.59	17.50	18.61	20.00	18.60	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50		
		11	2462	17.75	19.00	17.49	19.00	20.61	22.00	18.51	17.50	18.51	17.50	18.54	20.00	18.54	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50		
802.11ax-HE20 MCS0	1	2412	15.69	17.00	15.22	17.00	18.47	20.00	17.50	17.50	17.50	17.50	20.50	20.50	17.50	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50	100.00		
	6	2437	17.60	19.00	17.46	19.00	20.54	22.00	18.50	17.50	18.50	17.50	18.50	20.00	18.50	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50			
	11	2462	17.65	19.00	17.49	19.00	20.67	22.00	18.50	17.50	17.50	17.50	20.50	20.50	17.50	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50			
802.11ax-HE40 MCS0	3	2422	17.11	19.00	16.44	18.50	18.50	21.50	21.50	17.50	17.50	17.50	17.50	20.50	20.50	17.50	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50	96.00	
	6	2437	17.76	19.00	17.76	19.00	20.74	22.00	19.00	17.50	17.50	17.50	20.50	20.50	17.50	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50			
	9	2452	16.56	18.50	16.09	17.00	19.00	19.84	21.50	17.50	17.50	17.50	17.50	20.50	20.50	17.50	15.50	15.50	15.50	15.50	16.50	16.50	13.50	13.50	13.50	13.50	14.50	16.50		

<5.2GHz WLAN>

	Mode	Channel	Ant 7 Default Power For Receiver off		Ant 5 Default Power For Receiver off		Ant 5-7 Default Power For Receiver off		Ant 7 For Receiver on		Ant 5 For Receiver on		Ant 5-7 For Receiver on		Ant 7 For Simultaneous		Ant 5 For Simultaneous		Ant 5-7 For Simultaneous		Duty Cycle %
			Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
5.2GHz WLAN	802.11a Mbps	36	5180	15.82	17.50	14.76	16.50	18.33	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00	99.32	
		40	5200	16.08	17.50	14.98	16.50	18.33	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00		
		44	5220	15.96	17.50	15.07	16.50	18.50	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00		
	802.11n-HT20 MCS0	36	5180	15.80	17.50	14.68	16.50	18.33	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00		
		40	5200	15.86	17.50	14.74	16.50	18.35	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00		
		44	5220	15.75	17.00	14.73	16.00	18.28	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00	100.00	
	802.11n-HT40 MCS0	36	5180	15.74	17.00	15.03	16.50	18.28	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00		
		40	5200	15.74	17.00	15.14	16.50	18.50	17.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00		
		44	5220	15.97	17.50	15.20	16.50	18.61	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00	100.00	
	802.11ac-VHT20 MCS0	36	5180	15.80	17.00	14.76	16.00	18.23	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00		
		40	5200	15.90	17.00	14.79	16.00	18.23	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00		
		44	5220	15.85	17.50	14.79	16.00	18.33	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00	100.00	
802.11ax-VHT40 MCS0	40	5200	15.83	17.00	15.03	16.00	18.33	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00	100.00		
	44	5220	15.83	17.00	15.03	16.00	18.67	17.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00	100.00		
	36	5180	15.72	17.00	15.23	16.00	18.64	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00	100.00		
	40	5200	15.82	17.00	15.23	16.00	18.69	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00	100.00		
802.11ax-HE20 MCS0	36	5180	15.72	17.00	14.73	16.00	18.26	18.50	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00			
	40	5200	15.94	17.00	14.82	16.00	18.43	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00			
	44	5220	15.85	17.50	14.84	16.00	18.38	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00			
	48	5240	15.56	17.00	15.09	16.00	18.34	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00	100.00		
802.11ax-HE40 MCS0	36	5180	15.29	14.50	12.09	13.50	15.74	17.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00	100.00		
	40	5200	15.03	17.50	15.26	16.50	18.67	20.00	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00	100.00		
802.11ax-HE80 MCS0	36	5180	13.24	12.50	11.37	12.50	15.11	16.50	11.50	11.00	11.00	11.00	14.50	8.00	7.50	7.50	11.00	11.00	100.00		

<5.3GHz WLAN>

	Mode	Channel	Frequency (MHz)	Ant 7 Default Power For Receiver off		Ant 5 Default Power For Receiver off		Ant 5-7 Default Power For Receiver off		Ant 7 For Receiver on		Ant 5 For Receiver on		Ant 5-7 For Receiver on		Ant 7 For Simultaneous		Ant 5 For Simultaneous		Ant 5-7 For Simultaneous		Duty Cycle %
				Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
5.3GHz WLAN	802.11a Mbps	32	5200	15.45	17.00	15.44	17.00	18.46	20.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	99.32
		36	5180	15.49	17.00	15.46	17.00	18.40	20.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	
		40	5200	15.50	17.00	15.49	17.00	18.40	20.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	
	802.11n-HT20 MCS0	36	5180	15.44	17.00	15.48	16.00	18.04	19.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00
		40	5200	15.28	17.00	15.18	16.00	18.21	20.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	
		44	5220	15.28	17.00	15.23	16.00	18.21	20.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	
	802.11n-HT40 MCS0	32	5200	15.27	17.00	15.00	16.50	18.18	20.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00
		40	5200	14.94	17.00	14.69	16.00	17.69	18.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	
		44	5220	15.53	17.00	15.50	17.00	18.50	20.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	
	802.11ac-VHT20 MCS0	36	5180	15.22	17.00	15.02	16.00	17.86	18.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00
		40	5200	15.08	17.00	15.02	16.00	17.86	18.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	
		44	5220	15.33	17.00	15.28	16.00	18.32	20.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00
802.11ac-VHT40 MCS0	36	5180	15.30	17.00	15.25	16.00	18.21	19.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00	
	40	5200	15.41	18.00	13.77	15.00	17.11	18.50	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00		
	44	5220	15.57	17.00	15.60	17.00	18.60	20.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00	
802.11ax-VHT160 MCS0	36	5180	15.10	17.00	15.02	16.00	17.86	18.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00	
	40	5200	15.21	17.00	15.10	16.00	17.86	18.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00	
	44	5220	15.23	17.00	15.20	16.00	18.21	19.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00	
802.11ax-HE20 MCS0	36	5180	15.33	17.00	15.31	17.00	18.31	19.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00	
	40	5200	15.38	17.00	15.32	16.00	18.24	20.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00	
	44	5220	14.40	18.00	13.81	16.00	17.17	18.50	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00	
802.11ax-HE40 MCS0	36	5180	15.70	18.00	15.61	17.00	18.61	19.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00	
	40	5200	15.72	18.00	15.68	17.00	18.68	19.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00	
	44	5220	15.11	18.20	15.08	17.20	18.07	18.50	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00	
802.11ax-HE160 MCS0	36	5180	15.78	18.00	15.78	18.00	18.78	19.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00	
	50	5250	11.10	12.50	10.42	12.00	13.78	15.00	11.50	11.00	11.00	11.00	14.50	14.50	8.00	7.50	7.50	7.50	11.00	11.00	100.00	

<Bluetooth>						
Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	8.88	7.44	7.96	10.50
	CH 39	2441	9.39	8.45	8.30	10.50
	CH 79	2480	9.32	7.60	8.15	10.50

BLE 1M			
Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	GFSK
	CH 19	2440	8.03
	CH 39	2480	8.08
			8.38
Tune-up Limit			10.00

BLE 2M			
Mode	Channel	Frequency (MHz)	Average power (dBm)
			2Mbps
LE	CH 01	2404	7.98
	CH 19	2440	8.19
	CH 38	2478	8.22
Tune-up Limit			9.50