

Full Power Mode

GSM850_Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	32.19	32.28	32.21	33.50	23.19	23.28	23.21	24.50
GSM 1 Tx slot	32.22	32.30	32.26	33.50	23.22	23.30	23.26	24.50
GPRS 1 Tx slot	30.04	30.21	30.15	31.50	24.04	24.21	24.15	25.50
GPRS 2 Tx slots	27.81	27.90	27.84	29.50	23.55	23.64	23.58	25.24
GPRS 3 Tx slots	25.30	25.34	25.28	27.00	22.30	22.34	22.28	24.00
GPRS 4 Tx slots	26.40	26.51	26.31	28.00	17.40	17.51	17.31	19.00
EDGE 1 Tx slot	23.19	23.43	23.21	25.00	17.19	17.43	17.21	19.00
EDGE 2 Tx slots	21.48	21.76	21.55	23.00	17.22	17.50	17.29	18.74
EDGE 3 Tx slots	20.18	20.23	20.21	22.00	17.18	17.23	17.21	19.00
EDGE 4 Tx slots								

Band		WCDMA V_Ant1			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	24.25	24.28	24.19	25.00
3GPP Rel 99	RMC 12.2kbps	24.28	24.32	24.21	25.00
3GPP Rel 6	HSDPA Subtest-1	23.33	23.30	23.16	24.00
3GPP Rel 6	HSDPA Subtest-2	23.32	23.28	23.14	24.00
3GPP Rel 6	HSDPA Subtest-3	22.75	22.86	22.62	23.50
3GPP Rel 6	HSDPA Subtest-4	22.86	22.86	22.77	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.35	23.34	23.24	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.27	23.34	23.31	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.73	22.73	22.78	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.80	22.75	22.63	23.50
3GPP Rel 6	HSUPA Subtest-1	23.23	23.28	23.31	24.00
3GPP Rel 6	HSUPA Subtest-2	21.30	21.30	21.22	22.00
3GPP Rel 6	HSUPA Subtest-3	22.28	22.34	22.16	23.00
3GPP Rel 6	HSUPA Subtest-4	21.26	21.42	21.22	22.00
3GPP Rel 6	HSUPA Subtest-5	23.31	23.30	23.22	24.00



Band 5 Ant1 Default									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Mod Ch / Freq	Power Hsp Ch / Freq	Power Hsp Ch / Freq	Turn-up Time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.62	23.64	23.68	25	0	
10	QPSK	1	25	23.76	23.81	23.83			
10	QPSK	1	49	23.76	23.88	23.74			
10	QPSK	25	0	22.88	23.07	22.84			
10	QPSK	25	25	22.88	22.92	22.81			
10	QPSK	25	25	22.88	22.92	22.86	24	1	
10	QPSK	50	0	22.79	22.84	22.81			
10	QPSK	50	0	22.85	22.92	22.96			
10	16QAM	1	25	23.00	23.00	22.96			
10	16QAM	1	49	22.98	23.01	22.96			
10	16QAM	25	0	21.91	21.94	21.78	23	2	
10	16QAM	25	12	21.69	21.84	21.73			
10	16QAM	25	25	21.79	21.83	21.86			
10	16QAM	50	0	21.81	21.89	21.75			
10	16QAM	50	0	21.96	22.00	21.99			
10	64QAM	1	25	21.79	21.82	21.85	23	2	
10	64QAM	1	49	21.89	21.98	21.96			
10	64QAM	25	0	20.97	21.00	20.96			
10	64QAM	25	12	20.98	21.00	20.97			
10	64QAM	50	0	20.94	20.96	20.97			
10	256QAM	1	0	18.99	18.96	18.96	20	5	
10	256QAM	1	12	18.94	18.91	18.94			
10	256QAM	1	49	18.84	18.96	18.89			
10	256QAM	1	49	18.81	18.91	18.93			
10	256QAM	25	0	18.86	18.93	18.93			
10	256QAM	25	12	18.78	18.81	18.89	20	5	
10	256QAM	25	25	18.79	18.81	18.99			
10	256QAM	50	0	18.94	18.96	18.96			
10	256QAM	50	0	18.94	18.96	18.96			
10	256QAM	50	0	18.94	18.96	18.96			

Channel									
Frequency (MHz)									
5	QPSK	1	0	23.71	23.89	23.72	25	0	
5	QPSK	1	12	23.63	23.79	23.76			
5	QPSK	1	24	23.69	23.71	23.65			
5	QPSK	12	0	22.77	22.82	22.88			
5	QPSK	12	12	22.84	22.76	22.88			
5	QPSK	12	13	22.81	22.78	22.76	24	1	
5	QPSK	25	0	22.69	22.84	22.88			
5	16QAM	1	12	22.98	22.96	22.96			
5	16QAM	1	12	22.95	22.91	22.99			
5	16QAM	1	24	22.90	22.90	22.89			
5	16QAM	12	0	21.80	21.80	21.72	23	2	
5	16QAM	12	7	21.66	21.77	21.67			
5	16QAM	12	13	21.64	21.70	21.61			
5	16QAM	25	0	21.72	21.83	21.83			
5	16QAM	25	0	21.85	21.92	21.97			
5	64QAM	1	0	21.85	21.90	21.97	23	2	
5	64QAM	1	24	21.76	21.87	21.73			
5	64QAM	12	0	20.94	20.88	20.89			
5	64QAM	12	13	20.74	20.79	20.68			
5	64QAM	25	0	20.73	20.50	20.94			
5	256QAM	1	12	18.92	18.94	18.96	20	5	
5	256QAM	1	24	18.73	18.83	18.81			
5	256QAM	12	0	18.76	18.86	18.80			
5	256QAM	12	7	18.74	18.80	18.72			
5	256QAM	12	13	18.71	18.74	18.86			
5	256QAM	25	0	18.76	18.82	18.88	20	5	
5	256QAM	25	0	18.76	18.82	18.88			
5	256QAM	25	0	18.76	18.82	18.88			
5	256QAM	25	0	18.76	18.82	18.88			
5	256QAM	25	0	18.76	18.82	18.88			

Channel									
Frequency (MHz)									
3	QPSK	1	0	23.67	23.69	23.66	25	0	
3	QPSK	1	14	23.65	23.77	23.68			
3	QPSK	8	0	22.79	22.80	22.74			
3	QPSK	8	7	22.76	22.76	22.76			
3	QPSK	8	7	22.81	22.88	22.76			
3	QPSK	16	0	22.69	22.69	22.84	24	1	
3	16QAM	1	8	22.81	22.87	22.84			
3	16QAM	1	8	22.86	22.93	22.86			
3	16QAM	8	0	21.78	21.80	21.68			
3	16QAM	8	4	21.68	21.75	21.64			
3	16QAM	8	7	21.73	21.72	21.51	23	2	
3	16QAM	15	0	21.75	21.79	21.63			
3	64QAM	1	0	21.80	21.88	21.89			
3	64QAM	1	8	21.68	21.80	21.72			
3	64QAM	1	14	21.83	21.89	21.71			
3	64QAM	8	0	20.95	20.91	20.87	22	3	
3	64QAM	8	4	20.86	20.80	20.81			
3	64QAM	8	7	20.70	20.59	20.70			
3	64QAM	15	0	20.78	20.65	20.79			
3	256QAM	1	0	18.92	18.93	18.98			
3	256QAM	1	8	18.78	18.88	18.86	20	5	
3	256QAM	1	14	18.72	18.81	18.85			
3	256QAM	8	0	18.77	18.87	18.80			
3	256QAM	8	4	18.82	18.86	18.77			
3	256QAM	8	7	18.75	18.73	18.82			
3	256QAM	15	0	18.75	18.81	18.74	20	5	
3	256QAM	15	0	18.75	18.82	18.70			
3	256QAM	15	0	18.75	18.82	18.70			
3	256QAM	15	0	18.75	18.82	18.70			
3	256QAM	15	0	18.75	18.82	18.70			

Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.67	23.69	23.66	25	0	
1.4	QPSK	1	3	23.75	23.77	23.58			
1.4	QPSK	1	5	23.72	23.77	23.63			
1.4	QPSK	3	0	23.81	23.86	23.80			
1.4	QPSK	3	1	23.87	23.78	23.74			
1.4	QPSK	3	3	23.73	23.77	23.76	24	1	
1.4	QPSK	6	0	23.63	23.63	23.80			
1.4	16QAM	1	0	23.05	23.02	22.87			
1.4	16QAM	1	3	22.85	22.80	22.83			
1.4	16QAM	3	0	22.77	22.80	22.74			
1.4	16QAM	3	1	22.83	22.76	22.58	24	1	
1.4	16QAM	3	0	22.87	22.80	22.48			
1.4	16QAM	6	0	21.78	21.78	21.87			
1.4	16QAM	1	0	21.93	21.87	21.92			
1.4	16QAM	1	3	21.69	21.63	21.78			
1.4	64QAM	1	0	21.84	21.88	21.72	23	2	
1.4	64QAM	1	5	21.90	21.86	21.86			
1.4	64QAM	3	1	21.81	21.88	21.72			
1.4	64QAM	3	3	21.66	21.81	21.81			
1.4	64QAM	6	0	20.80	20.86	20.73			
1.4	256QAM	1	0	18.87	18.91	18.87	22	3	
1.4	256QAM	1	3	18.74	18.94	18.86			
1.4	256QAM	1	5	18.78	18.85	18.87			
1.4	256QAM	3	1	18.76	18.84	18.85			
1.4	256QAM	3	1	18.74	18.80	18.76			
1.4	256QAM	6	0	18.76	18.82	18.70	20	5	
1.4	256QAM	6	0	18.76	18.82	18.70			
1.4	256QAM	6	0	18.76	18.82	18.70			
1.4	256QAM	6	0	18.76	18.82	18.70			
1.4	256QAM	6	0	18.76	18.82	18.70			

Band 12 Ant1 Default									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Mod Ch / Freq	Power Hsp Ch / Freq	Power Hsp Ch / Freq	Turn-up Time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.88	23.98	23.91	25	0	
10	QPSK	1	25	23.78	23.85	23.83			
10	QPSK	1	49	23.82	23.85	23.74			
10	QPSK	25	0	22.90	23.07	22.86			
10	QPSK	25	12	22.90	23.04	22.87			
10	QPSK	25	25	22.93	23.01	22.86	24	1	
10	QPSK	25	25	22.96	23.08	22.87			
10	QPSK	1	0	23.19	23.23	23.05			
10	QPSK	1	25	23.05	23.15	23.03			
10	QPSK	1	49	23.11	23.15	23.03			
10	QPSK	25	0	21.91	21.94	21.86	23	2	
10	QPSK	25	12	21.98	22.01	21.86			
10	QPSK	25	25	21.90	21.93	21.72			
10	QPSK	50	0	21.97	22.00	21.84			
10	QPSK	50	12	21.99	22.01	21.84			
10	QPSK	50	25	21.97	22.00	21.84	23	2	
10	QPSK	1	26	21.89	21.92	21.81			
10	QPSK	25	26	21.92	21.95	21.79			
10	QPSK	50	26	21.94	21.96	21.80			
10	QPSK	125	26	21.94	21.96	21.80			
10	QPSK	25	0	21.07	21.10	21.03	22	3	
10	QPSK	25	12	21.09	21.12	21.03			
10	QPSK	25	25	21.08	21.10	21.00			
10	QPSK	50	0	21.07	21.10	21.03			
10	QPSK	50	12	21.09	21.12	21.03			
10	QPSK	50	25	21.08	21.10	21.00	22	3	
10	QPSK	1	26	21.06	21.09	21.00			
10	QPSK	25	26	21.07	21.10	21.00			
10	QPSK	50	26	21.08	21.10	21.00			
10	QPSK	125	26	21.08	21.10	21.00			
10	QPSK	25	0	18.98	19.10	18.97	20	5	
10	QPSK	25	12	19.00	19.10	18.97			
10	QPSK	25	25	19.02	19.08	18.98			
10	QPSK	50	0	19.01	19.10	19.00			
10	QPSK	50	12	19.03	19.10	19.00			
10	QPSK	50	25	18.99	19.07	18.91	20	5	
10	QPSK	1	26	18.97	19.06	18.91			
10	QPSK	25	26	18.99	19.06	18.91			
10	QPSK	50	26	18.99	19.06	18.91			
10	QPSK	125	26	18.99	19.06	18.91			

GSM1900_Ant2	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	29.02	29.10	28.98	30.50	20.02	20.10	19.98	21.50
GPRS 1 Tx slot	29.05	29.12	29.07	30.50	20.05	20.12	20.07	21.50
GPRS 2 Tx slots	27.54	27.57	27.52	28.50	21.54	21.57	21.52	22.50
GPRS 3 Tx slots	25.38	25.53	25.54	26.50	21.12	21.27	21.28	22.24
GPRS 4 Tx slots	23.26	23.32	23.33	24.50	20.26	20.32	20.33	21.50
EDGE 1 Tx slot	25.24	25.31	25.25	26.50	16.24	16.31	16.25	17.50
EDGE 2 Tx slots	22.98	23.02	22.89	24.50	16.98	17.02	16.89	18.50
EDGE 3 Tx slots	20.97	20.99	20.80	22.50	16.71	16.73	16.54	18.24
EDGE 4 Tx slots	20.17	20.16	20.09	21.50	17.17	17.16	17.09	18.50

Band		WCDMA II_Ant2			Tune-up Limit (dBm)	WCDMA IV_Ant2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.87	23.95	23.80	25.00	23.80	23.97	23.84	25.00
3GPP Rel 99	RMG 12.2Kbps	23.90	23.97	23.83	25.00	23.82	23.98	23.86	25.00
3GPP Rel 6	HSDPA Subtest-1	22.97	22.92	22.76	24.00	22.86	22.95	22.83	24.00
3GPP Rel 6	HSDPA Subtest-2	22.95	22.96	22.87	24.00	22.75	22.92	22.93	24.00
3GPP Rel 6	HSDPA Subtest-3	22.40	22.54	22.25	23.50	22.40	22.52	22.28	23.50
3GPP Rel 6	HSDPA Subtest-4	22.42	22.45	22.37	23.50	22.32	22.57	22.45	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.84	23.05	22.77	24.00	22.78	22.96	22.83	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.91	23.06	22.80	24.00	22.81	22.91	22.94	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.49	22.38	22.24	23.50	22.28	22.56	22.46	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.35	22.45	22.30	23.50	22.28	22.50	22.29	23.50
3GPP Rel 6	HSUPA Subtest-1	22.96	22.88	22.83	24.00	22.85	23.06	22.95	24.00
3GPP Rel 6	HSUPA Subtest-2	20.83	20.92	20.88	22.00	20.80	21.03	20.79	22.00
3GPP Rel 6	HSUPA Subtest-3	21.95	21.91	21.78	23.00	21.72	21.95	21.81	23.00
3GPP Rel 6	HSUPA Subtest-4	20.89	21.02	20.91	22.00	20.79	21.06	20.88	22.00
3GPP Rel 6	HSUPA Subtest-5	22.88	23.01	22.77	24.00	22.87	22.90	22.85	24.00

Band 2 Ant2 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Turn-up Time (sec)	MPR (dB)			
Channel										
1860 1860 1900										
20	QPSK	1	0	23.24	23.32	25	0			
15	QPSK	1	40	23.20	23.38					
20	QPSK	1	80	23.20	23.38	24	1			
20	QPSK	50	0	22.35	22.35					
20	QPSK	50	50	22.34	22.32	24	1			
20	QPSK	100	0	22.35	22.34					
20	16QAM	1	0	22.49	22.56	24	1			
20	16QAM	1	40	22.44	22.50					
20	16QAM	1	80	22.44	22.50	23	2			
20	16QAM	50	0	21.35	21.43					
20	16QAM	50	24	21.21	21.34	23	2			
20	16QAM	50	50	21.26	21.33					
20	16QAM	100	0	21.45	21.46	23	2			
20	64QAM	1	0	21.45	21.50					
20	64QAM	1	40	21.35	21.48	23	2			
20	64QAM	1	80	20.27	20.43					
20	64QAM	50	0	20.26	20.39	22	3			
20	64QAM	50	24	20.26	20.32					
20	256QAM	1	0	18.38	18.43	20	5			
20	256QAM	1	40	18.26	18.39					
20	256QAM	1	80	18.40	18.45	20	5			
20	256QAM	50	0	18.32	18.39					
20	256QAM	50	24	18.22	18.33	20	5			
20	256QAM	50	50	18.45	18.47					
20	256QAM	100	0	18.37	18.42					
Channel										
1867.5 18600 19150										
15	QPSK	1	0	23.23	23.39	25	0			
15	QPSK	1	37	23.17	23.37					
15	QPSK	1	74	23.16	23.35	24	1			
15	QPSK	36	0	22.28	22.42					
15	QPSK	36	36	22.18	22.30	24	1			
15	QPSK	36	72	22.23	22.35					
15	QPSK	75	0	22.20	22.40	24	1			
15	16QAM	1	0	22.38	22.43					
15	16QAM	1	37	22.34	22.48	24	1			
15	16QAM	1	74	22.42	22.44					
15	16QAM	36	0	21.18	21.39	23	2			
15	16QAM	36	20	21.13	21.22					
15	16QAM	75	0	21.30	21.34	23	2			
15	64QAM	1	0	21.40	21.47					
15	64QAM	1	37	21.17	21.35	23	2			
15	64QAM	1	74	21.20	21.37					
15	64QAM	36	0	20.21	20.39	22	3			
15	64QAM	36	20	20.23	20.33					
15	64QAM	36	36	20.10	20.21	20	5			
15	64QAM	75	0	20.35	20.38					
15	256QAM	1	0	18.26	18.35	20	5			
15	256QAM	1	37	18.15	18.26					
15	256QAM	1	74	18.15	18.22	20	5			
15	256QAM	36	0	18.40	18.37					
15	256QAM	36	20	18.19	18.18	20	5			
15	256QAM	36	36	18.35	18.43					
15	256QAM	75	0	18.26	18.33					
Channel										
1867.5 18600 19175										
10	QPSK	1	0	23.29	23.33	25	0			
10	QPSK	1	25	23.09	23.28					
10	QPSK	1	50	23.12	23.30	24	1			
10	QPSK	25	0	22.29	22.35					
10	QPSK	25	12	22.23	22.34	24	1			
10	QPSK	25	25	22.15	22.27					
10	QPSK	50	0	22.31	22.37	24	1			
10	16QAM	1	0	22.43	22.54					
10	16QAM	1	40	22.33	22.52	23	2			
10	16QAM	25	0	21.28	21.36					
10	16QAM	25	12	21.17	21.26	23	2			
10	16QAM	25	25	21.22	21.25					
10	16QAM	50	0	21.30	21.32	23	2			
10	64QAM	1	0	21.37	21.44					
10	64QAM	1	25	21.27	21.34	23	2			
10	64QAM	1	50	21.31	21.32					
10	64QAM	25	0	20.19	20.28	22	3			
10	64QAM	25	12	20.16	20.22					
10	64QAM	25	25	20.27	20.27	20	5			
10	64QAM	50	0	20.27	20.38					
10	256QAM	1	0	18.26	18.43	20	5			
10	256QAM	1	25	18.20	18.33					
10	256QAM	1	40	18.18	18.25	20	5			
10	256QAM	25	0	18.30	18.38					
10	256QAM	25	12	18.18	18.21	20	5			
10	256QAM	25	25	18.37	18.39					
10	256QAM	50	0	18.27	18.28					
Channel										
1867.5 18600 19175										
5	QPSK	1	0	23.26	23.30	25	0			
5	QPSK	1	12	23.12	23.25					
5	QPSK	1	24	23.27	23.33	24	1			
5	QPSK	12	0	22.30	22.36					
5	QPSK	12	7	22.24	22.31	24	1			
5	QPSK	12	13	22.25	22.36					
5	QPSK	25	0	22.35	22.36	24	1			
5	16QAM	1	0	22.30	22.48					
5	16QAM	1	12	22.39	22.48	23	2			
5	16QAM	1	24	22.32	22.45					
5	16QAM	12	0	21.22	21.38	23	2			
5	16QAM	12	7	21.05	21.31					
5	16QAM	12	13	21.18	21.28	23	2			
5	16QAM	25	0	21.34	21.45					
5	64QAM	1	0	21.39	21.46	23	2			
5	64QAM	1	12	21.26	21.35					
5	64QAM	1	24	21.32	21.43	22	3			
5	64QAM	12	7	20.11	20.28					
5	64QAM	12	13	20.24	20.19	20	5			
5	64QAM	25	0	20.29	20.29					
5	256QAM	1	0	18.22	18.37	20	5			
5	256QAM	1	12	18.23	18.30					
5	256QAM	1	24	18.19	18.23	20	5			
5	256QAM	12	0	18.39	18.48					
5	256QAM	12	7	18.36	18.28	20	5			
5	256QAM	12	13	18.35	18.45					
5	256QAM	25	0	18.21	18.39					



Band 25 Ant2 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up (mHz)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.42	20.47	20.38	25	0				
20	QPSK	1	49	20.24	20.40	20.30						
20	QPSK	1	99	20.29	20.44	20.29						
20	QPSK	50	0	20.16	20.36	20.48						
20	QPSK	50	24	20.33	20.27	20.43						
20	QPSK	50	50	20.51	20.60	20.49	24	1				
20	QPSK	100	0	20.62	20.68	20.53						
20	16QAM	1	0	20.48	20.62	20.57						
20	16QAM	1	49	20.46	20.49	20.46						
20	16QAM	1	99	20.48	20.50	20.53						
20	16QAM	50	0	21.41	21.36	21.24	23	2				
20	16QAM	50	24	21.21	21.36	21.24						
20	16QAM	50	50	21.26	21.38	21.24						
20	16QAM	100	0	21.47	21.60	21.60						
20	64QAM	1	0	21.55	21.65	21.54						
20	64QAM	1	49	21.05	21.05	21.03	23	2				
20	64QAM	1	99	21.43	21.54	21.47						
20	64QAM	50	0	20.90	20.90	20.45						
20	64QAM	50	24	20.36	20.45	20.39						
20	64QAM	50	50	20.38	20.43	20.40						
20	256QAM	1	0	18.66	18.61	18.71	20	5				
20	256QAM	1	49	18.66	18.61	18.71						
20	256QAM	1	99	18.68	18.70	18.78						
20	256QAM	50	0	18.63	18.64	18.65						
20	256QAM	50	24	18.67	18.69	18.67						
20	256QAM	50	50	18.66	18.64	18.65	20	5				
20	256QAM	100	0	18.67	18.68	18.65						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.37	20.43	20.34	25	0				
15	QPSK	1	49	20.16	20.36	20.31						
15	QPSK	1	74	20.16	20.39	20.15						
15	QPSK	36	0	20.47	20.49	20.25						
15	QPSK	36	36	20.34	20.48	20.43						
15	QPSK	36	36	20.24	20.48	20.24	24	1				
15	QPSK	75	0	20.51	20.56	20.38						
15	16QAM	1	0	21.43	21.53	21.54						
15	16QAM	1	37	20.36	20.37	20.36						
15	16QAM	1	74	20.44	20.45	20.40						
15	16QAM	36	0	21.28	21.40	21.20	23	2				
15	16QAM	36	20	21.09	21.28	21.20						
15	16QAM	36	36	21.09	21.28	21.20						
15	16QAM	75	0	21.31	21.47	21.57						
15	64QAM	1	0	21.48	21.50	21.50						
15	64QAM	1	37	21.40	21.46	21.38	23	2				
15	64QAM	1	74	21.38	21.41	21.33						
15	64QAM	36	0	20.42	20.53	20.53						
15	64QAM	36	20	20.33	20.38	20.30						
15	64QAM	36	36	20.23	20.40	20.29						
15	64QAM	75	0	20.36	20.57	20.52	20	5				
15	256QAM	1	0	18.52	18.57	18.60						
15	256QAM	1	37	18.51	18.50	18.55						
15	256QAM	1	74	18.60	18.60	18.70						
15	256QAM	36	0	18.52	18.55	18.64						
15	256QAM	36	20	18.67	18.48	18.59	20	5				
15	256QAM	36	36	18.58	18.58	18.55						
15	256QAM	75	0	18.52	18.50	18.53						
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.34	20.37	20.31	25	0				
10	QPSK	1	25	20.18	20.38	20.25						
10	QPSK	1	49	20.16	20.41	20.16						
10	QPSK	25	0	20.43	20.57	20.55						
10	QPSK	25	12	20.37	20.50	20.30						
10	QPSK	25	12	20.37	20.47	20.38	24	1				
10	QPSK	50	0	20.48	20.50	20.47						
10	16QAM	1	0	20.43	20.50	20.49						
10	16QAM	1	49	20.40	20.48	20.37						
10	16QAM	25	0	21.37	21.47	21.52						
10	16QAM	25	12	21.11	21.27	21.18	23	2				
10	16QAM	25	25	21.14	21.31	21.07						
10	16QAM	50	0	21.38	21.49	21.48						
10	64QAM	1	0	21.48	21.57	21.48						
10	64QAM	1	25	21.51	21.53	21.40						
10	64QAM	1	36	21.38	21.45	21.44	22	3				
10	64QAM	25	0	20.41	20.40	20.39						
10	64QAM	25	12	20.32	20.34	20.33						
10	64QAM	25	25	20.21	20.42	20.24						
10	64QAM	50	0	20.46	20.50	20.50						
10	256QAM	1	0	18.57	18.60	18.61	20	5				
10	256QAM	1	25	18.53	18.57	18.61						
10	256QAM	1	49	18.58	18.56	18.64						
10	256QAM	25	0	18.53	18.50	18.50						
10	256QAM	25	12	18.75	18.48	18.53						
10	256QAM	25	25	18.61	18.50	18.58	20	5				
10	256QAM	50	0	18.40	18.50	18.48						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.33	20.36	20.35	25	0				
5	QPSK	1	12	20.17	20.35	20.24						
5	QPSK	1	24	20.21	20.40	20.19						
5	QPSK	12	0	20.51	20.55	20.54						
5	QPSK	12	7	20.38	20.51	20.38						
5	QPSK	12	13	20.47	20.51	20.36	24	1				
5	QPSK	25	0	20.46	20.55	20.44						
5	16QAM	1	0	20.32	20.47	20.52						
5	16QAM	1	12	20.41	20.45	20.32						
5	16QAM	12	0	20.40	20.45	20.33						
5	16QAM	12	0	21.34	21.40	21.25	23	2				
5	16QAM	12	7	21.08	21.26	21.16						
5	16QAM	12	13	21.16	21.33	21.16						
5	16QAM	25	0	21.40	21.57	21.45						
5	64QAM	1	0	21.48	21.61	21.41						
5	64QAM	1	12	21.51	21.49	21.39	23	2				
5	64QAM	1	24	21.28	21.47	21.41						
5	64QAM	12	0	20.44	20.52	20.38						
5	64QAM	12	7	20.25	20.40	20.25						
5	64QAM	12	13	20.32	20.44	20.30						
5	256QAM	1	0	18.57	18.78	18.63	20	5				
5	256QAM	1	24	18.60	18.60	18.64						
5	256QAM	12	0	18.59	18.58	18.53						
5	256QAM	12	7	18.73	18.54	18.54						
5	256QAM	12	13	18.61	18.50	18.54						
5	256QAM	25	0	18.61	18.65	18.59	20	5				
Channel												
Frequency (MHz)												
3	QPSK	1	0	20.28	20.32	20.31	25	0				
3	QPSK	1	8	20.16	20.35	20.16						
3	QPSK	1	14	20.21	20.36	20.12						
3	QPSK	8	0	20.46	20.51	20.46						
3	QPSK	8	4	20.41	20.48	20.38						
3	QPSK	8	7	20.41	20.44	20.44	24	1				
3	16QAM	1	0	20.38	20.52	20.42						
3	16QAM	1	8	20.39	20.39	20.38						
3	16QAM	1	14	20.59	20.57	20.36						
3	16QAM	8	0	21.38	21.43	21.24						
3	16QAM	8	4	21.18	21.24	21.19	23	2				
3	16QAM	8	7	21.43	21.61	21.41						
3	64QAM	1	0	21.44	21.53	21.45						
3	64QAM	1	0	21.51	21.55	21.42						
3	64QAM	1	8	21.05	21.05	21.03	23	2				
3	64QAM	1	14	21.27	21.42	21.30						
3	64QAM	8	0	20.42	20.53	20.53						
3	64QAM	8	4	20.33	20.38	20.30						
3	64QAM	8	7	20.23	20.40	20.29	22	3				
3	64QAM	16	0	20.21	20.38	20.31						
3	64QAM	8	7	20.30	20.43	20.33						
3	64QAM	16	0	20.26	20.39	20.26						
3	256QAM	1	0	18.55	18.67	18.55	20	5				
3	256QAM	1	8	18.54	18.48	18.58						
3	256QAM	1	14	18.57	18.57	18.67						
3	256QAM	8	0	18.58	18.57	18.61						
3	256QAM	8	4	18.67	18.42	18.54	20	5				
3	256QAM	8	7	18.65	18.41	18.58						
3	256QAM	16	0	18.50	18.60	18.54						
3	256QAM	16	0	18.50	18.60	18.57						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	20.34	20.40	20.33	25	0				
1.4	QPSK	1	3	20.21	20.38	20.28						
1.4	QPSK	1	14	20.14	20.30	20.20						
1.4	QPSK	3	0	20.42	20.44	20.44						
1.4	QPSK	3	3	20.46	20.39	20.34						
1.4	QPSK	3	14	20.41	20.41	20.41	24	1				
1.4	QPSK	6	0	20.55	20.65	20.51						
1.4	QPSK	6	3	20.52	20.52	20.52						
1.4	QPSK	1	3	22.25	22.32	22.24						
1.4	QPSK	1	6	22.40	22.45	22.29						
1.4	QPSK	1	14	22.38	22.38	22.38	24	1				
1.4	QPSK	1	3	22.14	22.21	22.15						
1.4	QPSK	1	6	22.15	22.33	22.22						
1.4	QPSK	1	14	22.18	22.18	22.18						
1.4	QPSK	1	0	21.82	21.97	21.81	23	2				
1.4	QPSK	1	3	21.40	21.62	21.41						
1.4	QPSK	1	6	21.41	21.68	21.42						
1.4	QPSK	1	0	21.82	21.97	21.81						
1.4	QPSK	3	0	21.47	21.51	21.54	23	2				
1.4	QPSK	3	3	21.35	21.57	21.35						
1.4	QPSK	3	6	20.46	20.50	20.47						
1.4	QPSK	3	14	20.37	20.37	20.37						
1.4	QPSK	1	0	18.51	18.55	18.55	20	5				
1.4	QPSK	1	3	18.56	18.69	18.68						
1.4	QPSK	1	6	18.56	18.60	18.63						
1.4	QPSK	3	0	18.66	18.62	18.63						
1.4	QPSK	3	3	18.55	18.51	18.57	20	5				
1.4	QPSK	3	6	18.58	18.52	18.57						
1.4	QPSK	3	14	18.57	18.56	18.61						
1.4	QPSK	6	0	18.56	18.59	18.68						
1.4	QPSK	6	3	18.56	18.60	18.63	20	5				
1.4	QPSK	6	6	18.56	18.60	18.63						
1.4	QPSK	6	14	18.56	18.62	18.63						
1.4	QPSK	12	0	18.55	18.51	18.57						

Band 38 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.06	24.11	23.93	25	0	
20	QPSK	1	49	23.80	23.89	23.86			
20	QPSK	1	99	23.89	23.95	23.93			
20	QPSK	50	0	22.81	22.97	22.89	24	1	
20	QPSK	50	24	22.81	22.92	22.87			
20	QPSK	50	50	22.73	22.87	22.76			
20	QPSK	100	0	22.92	22.94	22.77	24	1	
20	16QAM	1	0	23.00	22.92	22.91			
20	16QAM	1	49	22.85	22.97	22.86			
20	16QAM	1	99	22.81	22.97	22.95	23	2	
20	16QAM	50	0	21.96	22.01	21.98			
20	16QAM	50	24	21.75	21.88	21.76			
20	16QAM	50	50	21.84	21.97	21.84	23	2	
20	16QAM	100	0	21.84	21.97	21.90			
20	64QAM	1	0	21.77	21.80	21.76			
20	64QAM	1	49	21.61	21.73	21.58	23	2	
20	64QAM	1	99	21.62	21.76	21.71			
20	64QAM	50	0	21.01	21.04	20.90			
20	64QAM	50	24	20.87	21.01	20.95	22	3	
20	64QAM	50	50	20.95	20.98	20.86			
20	64QAM	100	0	20.86	20.96	20.87			
20	256QAM	1	0	18.65	18.77	18.75	20	5	
20	256QAM	1	49	18.57	18.68	18.61			
20	256QAM	1	99	18.58	18.73	18.62			
20	256QAM	50	0	18.94	19.07	18.92	20	5	
20	256QAM	50	24	18.93	19.01	18.96			
20	256QAM	50	50	18.89	18.95	18.86			
20	256QAM	100	0	18.92	18.98	18.84	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.91	24.05	23.83	25	0	
15	QPSK	1	37	23.75	23.74	23.75			
15	QPSK	1	74	23.84	23.87	23.82			
15	QPSK	36	0	22.68	22.85	22.84	24	1	
15	QPSK	36	20	22.64	22.80	22.77			
15	QPSK	36	39	22.57	22.77	22.62			
15	QPSK	75	0	22.79	22.89	22.63	24	1	
15	16QAM	1	0	22.88	22.99	22.84			
15	16QAM	1	37	22.70	22.89	22.81			
15	16QAM	1	74	22.78	22.83	22.81	23	2	
15	16QAM	36	0	21.82	21.94	21.92			
15	16QAM	36	20	21.59	21.82	21.60			
15	16QAM	36	39	21.78	21.91	21.77	23	2	
15	16QAM	75	0	21.76	21.85	21.80			
15	64QAM	1	0	21.70	21.68	21.72			
15	64QAM	1	37	21.48	21.57	21.44	23	2	
15	64QAM	1	74	21.58	21.67	21.59			
15	64QAM	36	0	20.93	20.98	20.77			
15	64QAM	36	20	20.73	20.92	20.85	22	3	
15	64QAM	36	39	20.92	20.93	20.79			
15	64QAM	75	0	20.77	20.86	20.72			
15	256QAM	1	0	18.51	18.67	18.66	20	5	
15	256QAM	1	37	18.44	18.63	18.58			
15	256QAM	1	74	18.46	18.60	18.57			
15	256QAM	36	0	18.90	18.99	18.84	20	5	
15	256QAM	36	20	18.87	18.97	18.92			
15	256QAM	36	39	18.73	18.93	18.72			
15	256QAM	75	0	18.66	18.84	18.68	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.00	23.99	23.84	25	0	
10	QPSK	1	25	23.76	23.82	23.70			
10	QPSK	1	49	23.77	23.91	23.76			
10	QPSK	25	0	22.64	22.82	22.85	24	1	
10	QPSK	25	12	22.78	22.79	22.77			
10	QPSK	25	25	22.61	22.81	22.67			
10	QPSK	50	0	22.86	22.88	22.67	24	1	
10	16QAM	1	0	22.92	22.99	22.78			
10	16QAM	1	25	22.69	22.87	22.72			
10	16QAM	1	49	22.66	22.83	22.92	23	2	
10	16QAM	25	0	21.94	21.93	21.95			
10	16QAM	25	12	21.65	21.86	21.63			
10	16QAM	25	25	21.68	21.82	21.77	23	2	
10	16QAM	50	0	21.71	21.83	21.82			
10	64QAM	1	0	21.69	21.76	21.70			
10	64QAM	1	25	21.55	21.58	21.43	22	3	
10	64QAM	1	49	21.57	21.61	21.56			
10	64QAM	25	0	20.94	20.87	20.80			
10	64QAM	25	12	20.81	20.98	20.85	20	5	
10	64QAM	25	25	20.79	20.89	20.80			
10	64QAM	50	0	20.82	20.92	20.83			
10	256QAM	1	0	18.51	18.63	18.66	20	5	
10	256QAM	1	25	18.55	18.57	18.45			
10	256QAM	1	49	18.55	18.56	18.59			
10	256QAM	25	0	18.87	19.01	18.84	20	5	
10	256QAM	25	12	18.87	18.86	18.92			
10	256QAM	25	25	18.74	18.92	18.77			
10	256QAM	50	0	18.86	18.83	18.81	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.95	23.95	23.90	25	0	
5	QPSK	1	12	23.64	23.85	23.69			
5	QPSK	1	24	23.80	23.91	23.83			
5	QPSK	12	0	22.64	22.82	22.79	24	1	
5	QPSK	12	7	22.71	22.75	22.72			
5	QPSK	12	13	22.66	22.78	22.72			
5	QPSK	25	0	22.82	22.84	22.67	24	1	
5	16QAM	1	0	22.93	22.87	22.76			
5	16QAM	1	12	22.73	22.86	22.74			
5	16QAM	1	24	22.70	22.93	22.80	23	2	
5	16QAM	12	0	21.88	21.95	21.95			
5	16QAM	12	7	21.72	21.82	21.67			
5	16QAM	12	13	21.68	21.95	21.79	23	2	
5	16QAM	25	0	21.80	21.90	21.83			
5	64QAM	1	0	21.72	21.63	21.59			
5	64QAM	1	12	21.57	21.60	21.51	23	2	
5	64QAM	1	24	21.59	21.70	21.60			
5	64QAM	12	0	20.89	20.92	20.81			
5	64QAM	12	7	20.76	20.94	20.87	22	3	
5	64QAM	12	13	20.84	20.88	20.80			
5	64QAM	25	0	20.72	20.94	20.83			
5	256QAM	1	0	18.55	18.61	18.61	20	5	
5	256QAM	1	12	18.52	18.61	18.50			
5	256QAM	1	24	18.43	18.60	18.57			
5	256QAM	12	0	18.81	18.92	18.88	20	5	
5	256QAM	12	7	18.78	18.93	18.92			
5	256QAM	12	13	18.78	18.81	18.79			
5	256QAM	25	0	18.89	18.92	18.70	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			

Band 41 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.07	24.14	24.20	24.17	24.05	25	0
20	QPSK	1	49	24.00	24.01	24.06	23.98	23.92		
20	QPSK	1	99	24.05	23.96	24.12	23.95	23.96		
20	QPSK	50	0	23.05	23.07	23.13	23.04	23.01		
20	QPSK	50	24	22.99	22.92	23.02	22.91	22.98	24	1
20	QPSK	50	50	23.08	22.96	23.10	22.99	23.02		
20	QPSK	100	0	22.86	22.99	23.03	22.92	22.99		
20	16QAM	1	0	23.17	23.07	23.21	23.09	23.06		
20	16QAM	1	49	23.03	23.06	23.11	23.03	23.01	24	1
20	16QAM	1	99	22.93	23.05	23.14	23.09	23.01		
20	16QAM	50	0	22.08	22.10	22.15	22.05	22.08		
20	16QAM	50	24	22.00	21.95	22.03	21.95	21.88		
20	16QAM	50	50	21.90	22.04	22.06	21.93	21.96	23	2
20	16QAM	100	0	22.02	22.02	22.06	22.02	22.04		
20	64QAM	1	0	21.79	21.77	21.89	21.83	21.80		
20	64QAM	1	49	21.65	21.78	21.83	21.74	21.75		
20	64QAM	1	99	21.63	21.80	21.87	21.83	21.70	23	2
20	64QAM	50	0	21.05	21.07	21.18	21.05	21.05		
20	64QAM	50	24	21.00	20.90	21.02	20.92	20.93		
20	64QAM	50	50	21.11	21.00	21.07	20.95	20.90		
20	64QAM	100	0	21.04	20.99	21.07	20.97	20.91	22	3
20	256QAM	1	0	18.92	18.87	18.98	18.92	18.93		
20	256QAM	1	49	18.86	18.71	18.82	18.74	18.86		
20	256QAM	1	99	18.87	18.75	18.90	18.76	18.83		
20	256QAM	50	0	18.98	19.00	19.11	19.02	19.06	20	5
20	256QAM	50	24	18.95	18.93	18.97	18.93	18.97		
20	256QAM	50	50	18.88	18.91	18.95	18.86	18.89		
20	256QAM	100	0	18.83	18.91	19.05	18.93	18.95		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.01	24.05	24.16	24.06	24.09	25	0
15	QPSK	1	37	23.95	23.89	23.96	23.94	23.93		
15	QPSK	1	74	23.78	23.86	23.96	23.91	23.80		
15	QPSK	36	0	23.01	23.02	23.07	22.92	23.01		
15	QPSK	36	20	22.78	22.85	22.89	22.81	22.75	24	1
15	QPSK	36	39	22.93	22.94	23.04	22.96	22.85		
15	QPSK	75	0	22.82	22.89	22.97	22.75	22.83		
15	16QAM	1	0	23.03	22.91	23.06	23.02	23.04		
15	16QAM	1	37	22.96	22.97	23.00	23.00	22.90	24	1
15	16QAM	1	74	22.99	23.00	23.12	22.97	22.96		
15	16QAM	36	0	22.01	22.06	22.12	21.97	21.93		
15	16QAM	36	20	21.83	21.84	22.01	21.79	21.85		
15	16QAM	36	39	21.87	21.90	22.00	21.76	21.79	23	2
15	16QAM	75	0	21.99	21.97	21.91	21.92	21.93		
15	64QAM	1	0	21.68	21.61	21.74	21.78	21.75		
15	64QAM	1	37	21.63	21.72	21.69	21.62	21.68		
15	64QAM	1	74	21.71	21.69	21.83	21.68	21.68	23	2
15	64QAM	36	0	20.97	20.98	21.12	20.88	21.01		
15	64QAM	36	20	20.87	20.83	20.98	20.88	20.89		
15	64QAM	36	39	20.84	20.89	21.03	20.80	20.82		
15	64QAM	75	0	20.83	20.96	21.00	20.85	20.89	22	3
15	256QAM	1	0	18.86	18.73	18.93	18.74	18.84		
15	256QAM	1	37	18.62	18.62	18.74	18.66	18.69		
15	256QAM	1	74	18.65	18.62	18.81	18.64	18.61		
15	256QAM	36	0	18.96	18.93	19.01	18.89	18.89	20	5
15	256QAM	36	20	18.85	18.82	18.94	18.79	18.82		
15	256QAM	36	39	18.70	18.86	18.82	18.82	18.76		
15	256QAM	75	0	18.84	18.81	18.97	18.84	18.76		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.05	24.11	24.14	24.14	24.02	25.00	0
10	QPSK	1	25	23.90	23.87	24.03	23.85	23.79		
10	QPSK	1	49	23.87	23.88	23.97	23.84	23.84		
10	QPSK	25	0	22.88	23.03	23.08	22.97	22.94		
10	QPSK	25	12	22.83	22.79	22.85	22.76	22.87	24	1
10	QPSK	25	25	22.84	22.79	22.97	22.89	22.85		
10	QPSK	50	0	22.80	22.96	22.89	22.81	22.88		
10	16QAM	1	0	23.05	23.03	23.12	22.97	22.94		
10	16QAM	1	25	22.98	22.95	23.02	22.96	22.93	24	1
10	16QAM	1	49	22.94	23.01	22.98	23.01	22.96		
10	16QAM	25	0	21.91	22.03	22.03	21.94	21.96		
10	16QAM	25	12	21.88	21.79	21.98	21.91	21.87		
10	16QAM	25	25	21.89	21.93	21.94	21.87	21.82	23	2
10	16QAM	50	0	21.88	21.89	22.04	21.91	21.98		
10	64QAM	1	0	21.73	21.66	21.73	21.71	21.69		
10	64QAM	1	25	21.72	21.70	21.78	21.57	21.57		
10	64QAM	1	49	21.80	21.65	21.83	21.78	21.80	23	2
10	64QAM	25	0	21.00	20.93	21.10	20.93	20.92		
10	64QAM	25	12	20.75	20.88	20.90	20.86	20.76		
10	64QAM	25	25	20.90	20.88	20.95	20.92	20.84		
10	64QAM	50	0	20.82	20.83	21.04	20.81	20.90	22	3
10	256QAM	1	0	18.83	18.84	18.94	18.79	18.80		
10	256QAM	1	25	18.60	18.65	18.66	18.64	18.59		
10	256QAM	1	49	18.65	18.70	18.77	18.65	18.68		
10	256QAM	25	0	18.89	18.84	19.08	18.91	18.86	20	5
10	256QAM	25	12	18.84	18.78	18.87	18.83	18.79		
10	256QAM	25	25	18.84	18.85	18.92	18.72	18.73		
10	256QAM	50	0	18.89	18.75	18.94	18.82	18.89		
Channel				39675	40143	40620	41093	41555	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.3	2593	2640.30	2687.5		
5	QPSK	1	0	24.07	24.05	24.15	24.03	24.11	25.00	0
5	QPSK	1	12	23.85	23.97	24.02	23.83	23.91		
5	QPSK	1	24	23.82	23.84	24.07	23.86	23.83		
5	QPSK	12	0	22.94	22.94	23.06	22.89	22.88		
5	QPSK	12	7	22.83	22.85	22.92	22.89	22.79	24	1
5	QPSK	12	13	22.93	22.91	22.94	22.83	22.85		
5	QPSK	25	0	22.77	22.83	22.93	22.79	22.79		
5	16QAM	1	0	23.04	23.01	23.15	23.06	22.97		
5	16QAM	1	12	22.94	23.03	22.95	22.93	22.95	24	1
5	16QAM	1	24	22.97	22.93	23.01	23.04	23.07		
5	16QAM	12	0	21.92	22.02	22.05	22.01	21.96		
5	16QAM	12	7	21.79	21.85	22.00	21.89	21.79		
5	16QAM	12	13	21.85	22.01	21.92	21.86	21.81	23	2
5	16QAM	25	0	21.98	22.00	22.01	21.96	21.95		
5	64QAM	1	0	21.76	21.65	21.80	21.71	21.80		
5	64QAM	1	12	21.57	21.65	21.66	21.59	21.69		
5	64QAM	1	24	21.73	21.76	21.77	21.68	21.70	23	2
5	64QAM	12	0	21.03	20.90	21.10	20.88	20.97		
5	64QAM	12	7	20.84	20.81	20.96	20.83	20.83		
5	64QAM	12	13	20.92	20.92	21.01	20.90	20.82		
5	64QAM	25	0	20.91	20.86	21.04	20.83	20.85	22	3
5	256QAM	1	0	18.83	18.74	18.85	18.88	18.86		
5	256QAM	1	12	18.69	18.58	18.78	18.63	18.60		
5	256QAM	1	24	18.63	18.72	18.77	18.63	18.63		
5	256QAM	12	0	18.88	18.83	18.99	18.92	18.92	20	5
5	256QAM	12	7	18.76	18.82	18.80	18.77	18.83		
5	256QAM	12	13	18.71	18.87	18.79	18.81	18.81		
5	256QAM	25	0	18.77	18.88	18.91	18.76	18.76		

Band 42 FCC Part27Q Ant3 Default									
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	23.24	23.44	23.23	25	0	
20	QPSK	1	49	23.23	23.37	23.26			
20	QPSK	1	99	23.16	23.23	23.19			
20	QPSK	50	0	22.43	22.51	22.32	24	1	
20	QPSK	50	24	22.39	22.44	22.26			
20	QPSK	50	50	22.31	22.35	22.09			
20	QPSK	100	0	22.30	22.45	22.27	24	1	
20	16QAM	1	0	22.23	22.40	22.14			
20	16QAM	1	49	22.28	22.36	22.15			
20	16QAM	1	99	22.21	22.30	22.11	23	2	
20	16QAM	50	0	21.32	21.48	21.23			
20	16QAM	50	24	21.20	21.36	21.09			
20	16QAM	50	50	21.26	21.41	21.20	23	2	
20	16QAM	100	0	21.27	21.44	21.14			
20	64QAM	1	0	21.21	21.26	21.03			
20	64QAM	1	49	21.06	21.13	21.22	23	2	
20	64QAM	1	99	21.10	21.15	21.18			
20	64QAM	50	0	20.40	20.56	20.29			
20	64QAM	50	24	20.46	20.51	20.26	22	3	
20	64QAM	50	50	20.38	20.46	20.21			
20	64QAM	100	0	20.31	20.43	20.26			
20	256QAM	1	0	18.37	18.41	18.19	20	5	
20	256QAM	1	49	18.27	18.35	18.12			
20	256QAM	1	99	18.26	18.33	18.06			
20	256QAM	50	0	18.50	18.59	18.35	20	5	
20	256QAM	50	24	18.35	18.47	18.26			
20	256QAM	50	50	18.54	18.57	18.36			
20	256QAM	100	0	18.38	18.41	18.17	Channel		
Frequency (MHz)				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.08	23.29	23.09	25	0	
15	QPSK	1	37	23.10	23.23	23.22			
15	QPSK	1	74	23.11	23.14	23.10			
15	QPSK	36	0	22.28	22.39	22.18	24	1	
15	QPSK	36	20	22.34	22.41	22.23			
15	QPSK	36	39	22.27	22.27	22.02			
15	QPSK	75	0	22.23	22.42	22.24	24	1	
15	16QAM	1	0	22.20	22.25	22.11			
15	16QAM	1	37	22.23	22.29	22.09			
15	16QAM	1	74	22.10	22.24	22.21	23	2	
15	16QAM	36	0	21.25	21.35	21.10			
15	16QAM	36	20	21.18	21.26	21.20			
15	16QAM	36	39	21.13	21.24	21.09	23	2	
15	16QAM	75	0	21.13	21.32	21.01			
15	64QAM	1	0	21.09	21.20	21.18			
15	64QAM	1	37	21.21	21.07	21.19	23	2	
15	64QAM	1	74	21.11	21.06	21.11			
15	64QAM	36	0	20.24	20.50	20.20			
15	64QAM	36	20	20.30	20.47	20.13	22	3	
15	64QAM	36	39	20.35	20.35	20.06			
15	64QAM	75	0	20.20	20.39	20.13			
15	256QAM	1	0	18.25	18.29	18.14	20	5	
15	256QAM	1	37	18.21	18.23	18.01			
15	256QAM	1	74	18.19	18.24	18.01			
15	256QAM	36	0	18.47	18.52	18.21	20	5	
15	256QAM	36	20	18.29	18.41	18.15			
15	256QAM	36	39	18.47	18.47	18.32			
15	256QAM	75	0	18.29	18.35	18.12	Channel		
Frequency (MHz)				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.15	23.41	23.06	25	0	
10	QPSK	1	25	23.14	23.22	23.21			
10	QPSK	1	49	23.11	23.20	23.05			
10	QPSK	25	0	22.36	22.43	22.18	24	1	
10	QPSK	25	12	22.36	22.31	22.23			
10	QPSK	25	25	22.20	22.33	22.11			
10	QPSK	50	0	22.16	22.41	22.14	24	1	
10	16QAM	1	0	22.18	22.30	22.06			
10	16QAM	1	25	22.16	22.29	22.09			
10	16QAM	1	49	22.07	22.22	22.06	23	2	
10	16QAM	25	0	21.28	21.37	21.16			
10	16QAM	25	12	21.03	21.21	21.19			
10	16QAM	25	25	21.17	21.34	21.11	23	2	
10	16QAM	50	0	21.12	21.42	21.11			
10	64QAM	1	0	21.16	21.18	21.00			
10	64QAM	1	25	21.04	21.07	21.22	23	2	
10	64QAM	1	49	21.29	21.06	21.22			
10	64QAM	25	0	20.37	20.49	20.17			
10	64QAM	25	12	20.34	20.45	20.16	22	3	
10	64QAM	25	25	20.26	20.40	20.19			
10	64QAM	50	0	20.28	20.39	20.17			
10	256QAM	1	0	18.20	18.34	18.14	20	5	
10	256QAM	1	25	18.19	18.24	18.11			
10	256QAM	1	49	18.11	18.30	18.20			
10	256QAM	25	0	18.40	18.56	18.18	20	5	
10	256QAM	25	12	18.33	18.35	18.11			
10	256QAM	25	25	18.49	18.51	18.24			
10	256QAM	50	0	18.28	18.27	18.06	Channel		
Frequency (MHz)				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.11	23.41	23.10	25	0	
5	QPSK	1	12	23.18	23.22	23.19			
5	QPSK	1	24	23.05	23.14	23.13			
5	QPSK	12	0	22.38	22.38	22.23	24	1	
5	QPSK	12	7	22.25	22.41	22.22			
5	QPSK	12	13	22.28	22.29	22.21			
5	QPSK	25	0	22.26	22.40	22.15	24	1	
5	16QAM	1	0	22.19	22.24	22.10			
5	16QAM	1	12	22.16	22.27	22.06			
5	16QAM	1	24	22.13	22.21	22.01	23	2	
5	16QAM	12	0	21.15	21.37	21.10			
5	16QAM	12	7	21.13	21.29	21.07			
5	16QAM	12	13	21.20	21.38	21.13	23	2	
5	16QAM	25	0	21.10	21.39	21.04			
5	64QAM	1	0	21.37	21.40	21.16			
5	64QAM	1	12	21.19	21.19	21.14	23	2	
5	64QAM	1	24	21.17	21.32	21.03			
5	64QAM	12	0	20.34	20.40	20.19			
5	64QAM	12	7	20.36	20.37	20.18	22	3	
5	64QAM	12	13	20.27	20.39	20.16			
5	64QAM	25	0	20.20	20.37	20.21			
5	256QAM	1	0	18.21	18.33	18.04	20	5	
5	256QAM	1	12	18.20	18.20	18.08			
5	256QAM	1	24	18.16	18.24	18.01			
5	256QAM	12	0	18.36	18.48	18.29	20	5	
5	256QAM	12	7	18.26	18.36	18.16			
5	256QAM	12	13	18.42	18.45	18.29			
5	256QAM	25	0	18.26	18.33	18.13			



Band 4 Ant6 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power Mode Ch / Freq.	Power High Ch / Freq.	Turn-up (sec)	MPE (dB)		
Channel											
Frequency (MHz)											
20	QPSK	1	0	23.37	23.44	23.41	23.41	25	0		
20	QPSK	1	40	23.40	23.33	23.31	23.31				
20	QPSK	1	80	23.34	23.29	23.28	23.28				
20	QPSK	50	0	23.23	23.32	23.30	23.30				
20	QPSK	50	24	23.32	23.37	23.35	23.35	25	0		
20	QPSK	100	0	23.12	23.14	23.15	23.15				
20	16QAM	1	40	23.11	23.33	23.33	23.33				
20	16QAM	1	80	23.30	23.23	23.18	23.18				
20	16QAM	50	24	22.50	22.48	22.44	22.44	24	1		
20	16QAM	50	24	22.50	22.48	22.44	22.44				
20	16QAM	50	160	21.28	21.63	21.64	21.64				
20	16QAM	100	0	21.28	21.63	21.63	21.63				
20	8QAM	1	40	21.20	21.55	21.51	21.51	23	2		
20	8QAM	1	80	21.20	21.55	21.51	21.51				
20	8QAM	50	24	21.20	21.55	21.51	21.51				
20	8QAM	100	0	21.53	21.54	21.50	21.50				
20	25QAM	1	40	19.15	19.36	19.27	19.27	21	4		
20	25QAM	1	80	19.19	19.19	19.30	19.30				
20	25QAM	50	24	19.48	19.38	19.29	19.29				
20	25QAM	50	24	19.48	19.38	19.40	19.40				
20	25QAM	50	160	19.36	19.40	19.22	19.22	21	4		
20	25QAM	100	0	19.48	19.48	19.22	19.22				
20	25QAM	100	0	19.48	19.48	19.22	19.22				
20	25QAM	100	0	19.48	19.48	19.22	19.22				
20	25QAM	100	0	19.48	19.48	19.22	19.22				
20	25QAM	100	0	19.48	19.48	19.22	19.22				
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.32	23.33	23.33	23.33	25	0		
15	QPSK	1	37	23.12	23.11	23.17	23.17				
15	QPSK	1	74	23.19	23.03	23.24	23.24				
15	QPSK	36	0	23.07	23.17	23.02	23.02				
15	QPSK	36	0	23.43	23.38	23.18	23.18	25	0		
15	QPSK	36	36	23.08	23.09	23.03	23.03				
15	QPSK	75	0	23.13	23.10	23.05	23.05				
15	16QAM	1	0	23.07	23.19	23.06	23.06				
15	16QAM	1	37	23.01	23.07	23.11	23.11	25	0		
15	16QAM	1	74	23.19	23.22	23.18	23.18				
15	16QAM	36	0	22.58	22.57	22.43	22.43				
15	16QAM	36	20	22.40	22.57	22.34	22.34				
15	16QAM	36	20	22.58	22.59	22.44	22.44	24	1		
15	16QAM	75	0	22.44	22.58	22.50	22.50				
15	8QAM	1	0	22.51	22.49	22.28	22.28				
15	8QAM	1	37	22.27	22.32	22.46	22.46				
15	8QAM	1	74	22.47	22.26	22.09	22.09	24	1		
15	8QAM	36	0	21.22	21.65	21.41	21.41				
15	8QAM	36	20	21.55	21.46	21.37	21.37				
15	8QAM	36	36	21.24	21.37	21.26	21.26				
15	8QAM	75	0	21.49	21.58	21.66	21.66	23	2		
15	25QAM	1	0	19.28	19.27	19.17	19.17				
15	25QAM	1	37	19.32	19.41	19.32	19.32				
15	25QAM	1	74	19.13	19.25	19.22	19.22				
15	25QAM	36	0	19.33	19.42	19.37	19.37	21	4		
15	25QAM	36	20	19.40	19.24	19.42	19.42				
15	25QAM	75	0	19.53	19.58	19.52	19.52				
15	25QAM	75	0	19.53	19.58	19.52	19.52				
15	25QAM	75	0	19.53	19.58	19.52	19.52				
15	25QAM	75	0	19.53	19.58	19.52	19.52				
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.33	23.34	23.30	23.30	25	0		
10	QPSK	1	25	23.36	23.32	23.38	23.38				
10	QPSK	1	49	23.38	23.17	23.23	23.23				
10	QPSK	25	0	23.19	23.24	23.08	23.08				
10	QPSK	25	12	23.18	23.24	23.24	23.24	25	0		
10	QPSK	50	0	23.13	23.17	23.01	23.01				
10	16QAM	1	0	23.18	23.31	23.26	23.26				
10	16QAM	25	24	23.19	23.45	23.23	23.23				
10	16QAM	1	49	23.32	23.38	23.29	23.29	24	1		
10	16QAM	25	0	22.53	22.54	22.34	22.34				
10	16QAM	25	0	22.39	22.42	22.29	22.29				
10	16QAM	25	20	22.14	22.18	22.43	22.43				
10	16QAM	80	0	22.38	22.40	22.31	22.31	24	1		
10	8QAM	1	0	22.45	22.51	22.19	22.19				
10	8QAM	1	25	22.24	22.19	22.25	22.25				
10	8QAM	25	0	21.24	21.67	21.50	21.50				
10	8QAM	25	12	21.21	21.40	21.25	21.25	23	2		
10	8QAM	50	0	21.43	21.55	21.73	21.73				
10	25QAM	1	0	19.16	19.44	19.46	19.46				
10	25QAM	1	25	19.43	19.41	19.31	19.31				
10	25QAM	1	49	19.18	19.24	19.26	19.26	21	4		
10	25QAM	25	12	19.45	19.40	19.52	19.52				
10	25QAM	25	12	19.45	19.40	19.52	19.52				
10	25QAM	25	25	19.35	19.48	19.37	19.37				
10	25QAM	50	0	19.45	19.45	19.45	19.45	21	4		
10	25QAM	50	0	19.45	19.45	19.45	19.45				
10	25QAM	50	0	19.45	19.45	19.45	19.45				
10	25QAM	50	0	19.45	19.45	19.45	19.45				
10	25QAM	50	0	19.45	19.45	19.45	19.45				
10	25QAM	50	0	19.45	19.45	19.45	19.45				
Channel											
Frequency (MHz)											
5	QPSK	1	0	23.33	23.31	23.34	23.34	25	0		
5	QPSK	1	12	23.36	23.43	23.40	23.40				
5	QPSK	1	24	23.41	23.24	23.30	23.30				
5	QPSK	12	0	23.16	23.16	23.16	23.16				
5	QPSK	12	7	23.18	23.35	23.11	23.11	25	0		
5	QPSK	12	13	23.07	23.18	23.16	23.16				
5	QPSK	25	0	23.13	23.17	23.14	23.14				
5	16QAM	1	0	23.07	23.35	23.13	23.13				
5	16QAM	1	24	23.31	23.34	23.15	23.15	25	0		
5	16QAM	12	0	22.38	22.54	22.32	22.32				
5	16QAM	12	7	22.41	22.31	22.44	22.44				
5	16QAM	12	13	22.06	22.18	22.28	22.28				
5	16QAM	25	0	22.33	22.37	22.43	22.43	24	1		
5	8QAM	1	0	22.41	22.44	22.32	22.32				
5	8QAM	1	12	22.16	22.18	22.21	22.21				
5	8QAM	1	24	22.35	22.32	22.32	22.32				
5	8QAM	12	0	21.44	21.50	21.48	21.48	24	1		
5	8QAM	12	7	21.23	21.57	21.51	21.51				
5	8QAM	12	13	21.02	21.43	21.23	21.23				
5	8QAM	25	0	21.45	21.51	21.62	21.62				
5	25QAM	1	0	19.31	19.61	19.28	19.28	21	4		
5	25QAM	1	12	19.41	19.48	19.42	19.42				
5	25QAM	1	24	19.22	19.21	19.26	19.26				
5	25QAM	12	0	19.32	19.23	19.18	19.18				
5	25QAM	12	7	19.31	19.40	19.35	19.35	21	4		
5	25QAM	12	13	19.32	19.60	19.17	19.17				
5	25QAM	25	0	19.44	19.44	19.45	19.45				
5	25QAM	25	0	19.44	19.44	19.45	19.45				
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	23.27	23.26	23.31	23.31	25	0		
1.4	QPSK	1	12	23.29	23.29	23.31	23.31				
1.4	QPSK	1	14	23.16	23.11	23.21	23.21				
1.4	QPSK	8	0	23.16	23.21	23.04	23.04				
1.4	QPSK	8	7	23.11	23.07	23.03	23.03	25	0		
1.4	QPSK	8	13	23.01	23.15	23.06	23.06				
1.4	QPSK	1	0	23.21	23.19	23.12	23.12				
1.4	QPSK	1	8	23.13	23.27	23.04	23.04				
1.4	QPSK	1	8	23.13	23.27	23.04	23.04	25	0		
1.4	QPSK	8	0	23.25	23.29	23.40	23.40				
1.4	QPSK	8	7	23.18	23.21	23.34	23.34				
1.4	QPSK	8	13	23.05	23.21	23.22	23.22				
1.4	QPSK	1	0	23.22	23.21	23.34	23.34	24	1		
1.4	QPSK	1	0	23.22	23.21	23.34	23.34				
1.4	QPSK	1	0	23.22	23.21	23.34	23.34				
1.4	QPSK	1	0	23.22	23.21	23.34	23.34				
1.4	QPSK	1	14	23.13	23.26	23.14	23.14	24	1		
1.4	QPSK	1	14	23.13	23.26	23.14	23.14				
1.4	QPSK	1	14	23.13	23.26	23.14	23.14				
1.4	QPSK	1	14	23.13	23.26	23.14	23.14				
1.4	QPSK	1	0	23.26	23.25	23.36	23.36	24	1		
1.4	QPSK	1	0	23.26	23.25	23.36	23.36				
1.4	QPSK	1	0	23.26	23.25	23.36	23.36				
1.4	QPSK	1	0	23.26	23.25	23.36	23.36				
1.4	QPSK	1	14	23.13	23.26	23.14	23.14	24	1		
1.4	QPSK	1	14	23.13	23.26	23.14	23.14				
1.4	QPSK	1	14	23.13	23.26	23.14	23.14				
1.4	QPSK	1	14	23.13	23.26	23.14	23.14				
1.4	QPSK	1	0	23.26	23.25	23.36	23.36	24	1		
1.4	QPSK	1	0	23.26	23.25	23.36	23.36				

Reduced Power for Sensor on

GSM850_Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel								
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.62	30.87	30.91	32.00	21.62	21.87	21.91	23.00
GPRS 1 Tx slot	30.66	31.01	30.97	32.00	21.66	22.01	21.97	23.00
GPRS 2 Tx slots	28.54	28.86	28.82	30.00	22.54	22.86	22.82	24.00
GPRS 3 Tx slots	26.44	26.77	26.60	28.00	22.18	22.51	22.34	23.74
GPRS 4 Tx slots	24.09	24.32	24.38	25.50	21.09	21.32	21.38	22.50
EDGE 1 Tx slot	24.57	24.83	24.91	26.00	15.57	15.83	15.91	17.00
EDGE 2 Tx slots	21.07	21.45	21.43	22.50	15.07	15.45	15.43	16.50
EDGE 3 Tx slots	19.48	19.72	19.73	21.00	15.22	15.46	15.47	16.74
EDGE 4 Tx slots	18.41	18.75	18.57	20.00	15.41	15.75	15.57	17.00

Band	WCDMA V_Ant1			Tune-up Limit (dBm)
TX Channel	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	825.4	835.4	845.3	
3GPP Rel 99 AMR 12.2Kbps	21.70	21.76	21.88	22.50
3GPP Rel 99 RMC 12.2Kbps	21.71	21.78	21.70	22.50
3GPP Rel 6 HSDPA Subtest-1	20.90	20.81	20.72	21.50
3GPP Rel 6 HSDPA Subtest-2	20.80	20.72	20.67	21.50
3GPP Rel 6 HSDPA Subtest-3	20.29	20.38	20.10	21.00
3GPP Rel 6 HSDPA Subtest-4	20.39	20.31	20.27	21.00
3GPP Rel 6 DC-HSDPA Subtest-1	20.90	20.80	20.73	21.50
3GPP Rel 6 DC-HSDPA Subtest-2	20.73	20.81	20.76	21.50
3GPP Rel 6 DC-HSDPA Subtest-3	20.29	20.31	20.21	21.00
3GPP Rel 6 DC-HSDPA Subtest-4	20.26	20.23	20.08	21.00
3GPP Rel 6 HSUPA Subtest-1	20.75	20.75	20.77	21.50
3GPP Rel 6 HSUPA Subtest-2	18.73	18.77	18.70	19.50
3GPP Rel 6 HSUPA Subtest-3	19.76	19.79	19.61	20.50
3GPP Rel 6 HSUPA Subtest-4	18.76	18.98	18.87	19.50
3GPP Rel 6 HSUPA Subtest-5	20.85	20.74	20.69	21.50



Band 5 Ant1														
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Ch / Freq	Power Mod Ch / Freq	Power Hsp Ch / Freq	Turn-up rate (dB)	MFR (dB)						
Channel														
Frequency [MHz]														
10	QPSK	1	0	20.44	20.51	20.37	21.5	0						
10	QPSK	1	25	20.39	20.33	20.40								
10	QPSK	1	49	20.38	20.38	20.36								
10	QPSK	25	0	20.30	20.32	20.19								
10	QPSK	25	12	20.33	20.23	20.16	21.5	0						
10	QPSK	25	25	20.27	20.27	20.25								
10	QPSK	50	0	20.21	20.25	20.19								
10	16QAM	1	0	20.37	20.49	20.15								
10	16QAM	1	25	20.38	20.38	20.36	21.5	0						
10	16QAM	1	49	20.26	20.32	20.22								
10	16QAM	25	0	20.13	20.30	20.22								
10	16QAM	25	12	20.29	20.09	20.24								
10	16QAM	25	25	20.33	20.10	20.09	21.5	0						
10	16QAM	50	0	20.17	20.25	20.05								
10	64QAM	1	0	20.28	20.40	20.24	21.5	0						
10	64QAM	1	25	20.24	20.33	20.32								
10	64QAM	1	49	20.19	20.27	20.18								
10	64QAM	25	0	20.17	20.23	20.23								
10	64QAM	25	12	20.09	20.19	20.16	21.5	0						
10	64QAM	25	25	20.33	20.29	20.20								
10	64QAM	50	0	20.19	20.30	20.19								
10	256QAM	1	0	18.75	18.78	18.85	20	1.5						
10	256QAM	1	25	18.76	18.83	18.82								
10	256QAM	1	49	18.86	18.86	18.79								
10	256QAM	1	12	18.81	18.79	18.84								
10	256QAM	25	0	18.82	18.84	18.82	20	1.5						
10	256QAM	25	12	18.75	18.78	18.85								
10	256QAM	25	25	18.79	18.75	18.87								
10	256QAM	50	0	18.87	18.71	18.87								
Channel														
Frequency [MHz]														
5	QPSK	1	0	20.29	20.45	20.33	21.5	0						
5	QPSK	1	25	20.38	20.48	20.38								
5	QPSK	1	24	20.38	20.32	20.27								
5	QPSK	12	0	20.21	20.17	20.08								
5	QPSK	12	7	20.15	20.18	20.15	21.5	0						
5	QPSK	12	13	20.16	20.16	20.14								
5	QPSK	25	0	20.19	20.24	20.14								
5	16QAM	1	0	20.30	20.36	20.35								
5	16QAM	1	24	20.11	20.17	20.22	21.5	0						
5	16QAM	12	0	20.07	20.27	20.25								
5	16QAM	12	13	20.27	19.94	19.79								
5	16QAM	12	13	20.27	19.94	19.79								
5	16QAM	25	0	20.05	20.14	19.99	21.5	0						
5	64QAM	1	0	20.12	20.38	20.21								
5	64QAM	1	25	20.11	20.21	20.16								
5	64QAM	1	24	20.05	20.28	20.15								
5	64QAM	12	0	20.11	20.21	20.16	21.5	0						
5	64QAM	12	13	20.07	20.21	20.06								
5	64QAM	25	0	20.08	20.15	20.08								
5	256QAM	1	0	18.62	18.73	18.46	20	1.5						
5	256QAM	1	12	18.73	18.82	18.82								
5	256QAM	1	24	18.76	18.85	18.88								
5	256QAM	12	0	18.82	18.79	18.85								
5	256QAM	12	7	18.80	18.89	18.88	20	1.5						
5	256QAM	12	13	18.72	18.86	18.81								
5	256QAM	25	0	18.81	18.93	18.82								
Channel														
Frequency [MHz]														
3	QPSK	1	0	20.37	20.47	20.32			21.5	0				
3	QPSK	1	8	20.37	20.28	20.35								
3	QPSK	1	14	20.26	20.29	20.31								
3	QPSK	8	0	20.20	20.19	20.09								
3	QPSK	8	4	20.26	20.17	20.10	21.5	0						
3	QPSK	16	0	20.18	20.15	20.16								
3	QPSK	16	7	20.15	20.27	20.08								
3	16QAM	1	0	20.36	20.37	20.30								
3	16QAM	1	8	20.32	20.28	20.34	21.5	0						
3	16QAM	1	14	20.21	20.27	20.25								
3	16QAM	8	0	20.12	20.17	20.08								
3	16QAM	8	4	20.13	20.08	20.08								
3	16QAM	8	7	20.22	19.87	19.84	21.5	0						
3	16QAM	15	0	20.05	20.14	20.00								
3	64QAM	1	0	20.21	20.32	20.10								
3	64QAM	1	8	20.23	20.20	20.22	21.5	0						
3	64QAM	1	14	20.14	20.27	20.05								
3	64QAM	8	0	20.05	20.14	20.08								
3	64QAM	8	4	19.94	20.11	20.12								
3	64QAM	8	7	20.27	20.17	20.15	21.5	0						
3	64QAM	15	0	20.07	20.28	20.18								
3	256QAM	1	0	18.66	18.85	18.80								
3	256QAM	1	8	18.76	18.70	18.75	20	1.5						
3	256QAM	1	14	18.84	18.74	18.87								
3	256QAM	8	0	18.87	18.86	18.85								
3	256QAM	8	4	18.89	18.88	18.81								
3	256QAM	8	7	18.79	18.85	18.80	20	1.5						
3	256QAM	15	0	18.89	18.87	18.83								
Channel														
Frequency [MHz]														
1.4	QPSK	1	0	20.30	20.40	20.36			21.5	0				
1.4	QPSK	1	3	20.33	20.38	20.38								
1.4	QPSK	1	5	20.38	20.30	20.29								
1.4	QPSK	3	0	20.17	20.28	20.15								
1.4	QPSK	3	1	20.29	20.09	20.09	21.5	0						
1.4	QPSK	3	3	20.14	20.23	20.10								
1.4	16QAM	1	0	20.15	20.23	20.13								
1.4	16QAM	1	0	20.26	20.49	20.03								
1.4	16QAM	1	3	20.38	20.36	20.34	21.5	0						
1.4	16QAM	1	8	20.34	20.21	20.08								
1.4	16QAM	3	0	20.12	20.38	20.15								
1.4	16QAM	3	1	20.27	20.03	20.14								
1.4	16QAM	3	3	20.18	20.00	20.03	21.5	0						
1.4	16QAM	6	0	20.02	20.14	19.90								
1.4	64QAM	1	0	20.13	20.29	20.18								
1.4	64QAM	1	3	20.15	20.20	20.21								
1.4	64QAM	1	5	20.04	20.19	20.06	21.5	0						
1.4	64QAM	3	0	20.17	20.19	20.21								
1.4	64QAM	3	1	19.98	20.04	20.05								
1.4	64QAM	3	3	20.32	20.27	20.17								
1.4	64QAM	6	0	20.09	20.26	20.06	21.5	0						
1.4	256QAM	1	0	18.44	18.76	18.53								
1.4	256QAM	1	3	18.70	18.70	18.87								
1.4	256QAM	1	5	18.76	18.82	18.76								
1.4	256QAM	3	0	18.82	18.87	18.88	20	1.5						
1.4	256QAM	3	1	18.79	18.80	18.85								
1.4	256QAM	3	3	18.89	18.83	18.81								

GSM1900_Ant2		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		21.06	21.09	21.02	22.50	12.06	12.09	12.02	13.50
GPRS 1 Tx slot		21.10	21.14	21.11	22.50	12.10	12.14	12.11	13.50
GPRS 2 Tx slots		19.18	19.19	19.06	20.00	13.18	13.19	13.06	14.00
GPRS 3 Tx slots		17.22	17.25	17.15	18.00	12.96	12.99	12.89	13.74
GPRS 4 Tx slots		15.53	15.64	15.52	16.50	12.53	12.64	12.52	13.50
EDGE 1 Tx slot		17.41	17.64	17.57	19.00	8.41	8.64	8.57	10.00
EDGE 2 Tx slots		14.65	14.85	14.76	16.50	8.65	8.85	8.76	10.50
EDGE 3 Tx slots		13.64	13.77	13.73	15.00	9.38	9.51	9.47	10.74
EDGE 4 Tx slots		12.81	12.94	12.77	14.50	9.81	9.94	9.77	11.50

Band		WCDMA II_Ant2			Tune-up Limit (dBm)	WCDMA IV_Ant2			Tune-up Limit (dBm)
TX Channel		9262	9460	9538		1312	1413	1513	
Rx Channel		9632	9890	9938		1537	1638	1738	
Frequency (Mhz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	13.38	13.43	13.36	14.50	13.38	13.52	13.31	14.50
3GPP Rel 99	RMC 12.2Kbps	13.36	13.53	13.34	14.50	13.25	13.56	13.43	14.50
3GPP Rel 6	HSDPA Subtest-1	12.54	12.38	12.30	13.50	12.39	12.45	12.30	13.50
3GPP Rel 6	HSDPA Subtest-2	12.45	12.53	12.40	13.50	12.26	12.45	12.50	13.50
3GPP Rel 6	HSDPA Subtest-3	11.95	12.05	11.82	13.00	11.91	11.94	11.82	13.00
3GPP Rel 6	HSDPA Subtest-4	11.97	11.93	11.83	13.00	11.84	11.99	11.89	13.00
3GPP Rel 8	DC-HSDPA Subtest-1	12.29	12.60	12.26	13.50	12.20	12.49	12.38	13.50
3GPP Rel 8	DC-HSDPA Subtest-2	12.37	12.57	12.36	13.50	12.30	12.43	12.46	13.50
3GPP Rel 8	DC-HSDPA Subtest-3	12.05	11.95	11.68	13.00	11.78	12.13	12.03	13.00
3GPP Rel 8	DC-HSDPA Subtest-4	11.79	11.98	11.74	13.00	11.73	11.98	11.85	13.00
3GPP Rel 6	HSUPA Subtest-1	12.51	12.36	12.40	13.50	12.31	12.62	12.51	13.50
3GPP Rel 6	HSUPA Subtest-2	10.31	10.44	10.31	11.50	10.32	10.47	10.32	11.50
3GPP Rel 6	HSUPA Subtest-3	11.47	11.42	11.25	12.50	11.27	11.53	11.28	12.50
3GPP Rel 6	HSUPA Subtest-4	10.35	10.56	10.41	11.50	10.27	10.51	10.42	11.50
3GPP Rel 6	HSUPA Subtest-5	12.36	12.46	12.33	13.50	12.32	12.40	12.33	13.50



Band 2 Ant2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Low Ch./Freq.	Power High Ch./Freq.	Time-up and Time-down	MPR (dB)		
Channel										
1860 1860 1900										
20	QPSK	1	0	13.67	13.72	13.68				
20	QPSK	1	49	13.40	13.70	13.43	14	0		
20	QPSK	1	99	13.37	13.65	13.54				
20	QPSK	1	149	13.36	13.65	13.54				
20	QPSK	50	24	13.47	13.58	13.42	14	0		
20	QPSK	50	50	13.29	13.69	13.60				
20	QPSK	50	99	13.35	13.60	13.50				
20	HQAM	1	0	13.48	13.65	13.49				
20	HQAM	1	49	13.48	13.59	13.35	14	0		
20	HQAM	1	99	13.44	13.61	13.49				
20	HQAM	50	0	13.49	13.61	13.43				
20	HQAM	50	24	13.27	13.60	13.26	14	0		
20	HQAM	50	50	13.52	13.60	13.54				
20	HQAM	100	0	13.19	13.53	13.30				
20	HQAM	1	49	13.28	13.49	13.42				
20	HQAM	1	49	13.40	13.63	13.25	14	0		
20	HQAM	1	99	13.36	13.62	13.48				
20	HQAM	50	2	13.45	13.58	13.35				
20	HQAM	50	24	13.40	13.37	13.41	14	0		
20	HQAM	50	50	13.25	13.59	13.60				
20	HQAM	100	0	13.17	13.63	13.44				
20	25QAM	1	0	13.50	13.66	13.59				
20	25QAM	1	49	13.29	13.65	13.31	14	0		
20	25QAM	1	99	13.32	13.51	13.47				
20	25QAM	50	0	13.46	13.56	13.26				
20	25QAM	50	24	13.37	13.47	13.44	14	0		
20	25QAM	50	50	13.36	13.59	13.45				
20	25QAM	100	0	13.15	13.66	13.37				
Channel										
1867.5 1867.5 1910.5										
15	QPSK	1	0	13.46	13.67	13.62				
15	QPSK	1	37	13.34	13.64	13.36	14	0		
15	QPSK	1	74	13.30	13.53	13.47				
15	QPSK	36	0	13.43	13.61	13.34				
15	QPSK	36	37	13.31	13.43	13.48	14	0		
15	QPSK	36	39	13.22	13.65	13.58				
15	QPSK	75	0	13.21	13.58	13.50				
15	HQAM	1	0	13.44	13.48	13.44				
15	HQAM	1	37	13.44	13.58	13.30	14	0		
15	HQAM	1	74	13.34	13.58	13.43				
15	HQAM	36	0	13.41	13.48	13.41				
15	HQAM	36	20	13.25	13.49	13.13	14	0		
15	HQAM	75	0	13.14	13.47	13.29				
15	HQAM	1	0	13.44	13.62	13.33				
15	HQAM	1	37	13.37	13.45	13.37	14	0		
15	HQAM	36	0	13.31	13.55	13.25				
15	HQAM	36	39	13.23	13.52	13.53	14	0		
15	HQAM	75	0	13.21	13.62	13.32				
15	25QAM	1	0	13.44	13.60	13.44				
15	25QAM	1	37	13.24	13.52	13.24	14	0		
15	25QAM	1	74	13.26	13.39	13.36				
15	25QAM	36	0	13.32	13.48	13.35				
15	25QAM	36	20	13.12	13.27	13.44	14	0		
15	25QAM	75	0	13.02	13.50	13.35				
15	25QAM	75	0	13.02	13.50	13.35				
Channel										
1865 1865 1910										
10	QPSK	1	0	13.49	13.66	13.62				
10	QPSK	1	25	13.33	13.59	13.32	14	0		
10	QPSK	25	0	13.43	13.48	13.48				
10	QPSK	25	9	13.48	13.62	13.27				
10	QPSK	25	12	13.47	13.43	13.38	14	0		
10	QPSK	25	24	13.34	13.48	13.44				
10	QPSK	50	0	13.26	13.45	13.46				
10	HQAM	1	0	13.42	13.50	13.41				
10	HQAM	1	25	13.39	13.50	13.24	14	0		
10	HQAM	1	49	13.44	13.53	13.43				
10	HQAM	25	0	13.40	13.57	13.34				
10	HQAM	25	12	13.16	13.52	13.15	14	0		
10	HQAM	25	12	13.17	13.40	13.39				
10	HQAM	1	0	13.49	13.61	13.38				
10	HQAM	1	25	13.26	13.54	13.13	14	0		
10	HQAM	25	0	13.30	13.38	13.28				
10	HQAM	25	0	13.31	13.45	13.28				
10	HQAM	25	12	13.28	13.22	13.28	14	0		
10	HQAM	50	0	13.17	13.53	13.40				
10	25QAM	1	0	13.49	13.58	13.44				
10	25QAM	1	25	13.33	13.62	13.25	14	0		
10	25QAM	25	0	13.30	13.50	13.30				
10	25QAM	25	12	13.13	13.35	13.40				
10	25QAM	25	12	13.13	13.35	13.40				
10	25QAM	50	0	13.06	13.56	13.28				
Channel										
1862.5 1862.5 1917.5										
5	QPSK	1	0	13.50	13.59	13.59				
5	QPSK	1	12	13.36	13.56	13.31	14	0		
5	QPSK	1	24	13.57	13.65	13.45				
5	QPSK	12	0	13.54	13.56	13.54				
5	QPSK	12	7	13.32	13.48	13.34	14	0		
5	QPSK	12	13	13.34	13.64	13.49				
5	QPSK	25	0	13.27	13.53	13.29				
5	HQAM	1	0	13.47	13.63	13.47				
5	HQAM	1	12	13.41	13.44	13.31	14	0		
5	HQAM	1	24	13.34	13.61	13.41				
5	HQAM	12	0	13.35	13.48	13.37				
5	HQAM	12	7	13.17	13.47	13.29	14	0		
5	HQAM	12	13	13.20	13.45	13.44				
5	HQAM	25	0	13.10	13.49	13.21				
5	HQAM	25	12	13.16	13.61	13.38				
5	HQAM	1	12	13.24	13.60	13.17	14	0		
5	HQAM	1	24	13.21	13.43	13.38				
5	HQAM	12	0	13.40	13.60	13.40				
5	HQAM	12	7	13.25	13.35	13.27	14	0		
5	HQAM	12	13	13.10	13.47	13.44				
5	HQAM	25	0	13.15	13.57	13.41				
5	25QAM	1	0	13.44	13.65	13.50				
5	25QAM	1	12	13.34	13.65	13.30	14	0		
5	25QAM	1	24	13.24	13.38	13.32				
5	25QAM	12	0	13.37	13.52	13.12				
5	25QAM	12	13	13.28	13.44	13.40				
5	25QAM	25	0	13.09	13.48	13.31				
Channel										
1861.5 1861.5 1908.5										
3	QPSK	1	0	13.54	13.65	13.54				
3	QPSK	1	8	13.21	13.65	13.34	14	0		
3	QPSK	1	14	13.30	13.51	13.50				
3	QPSK	8	0	13.46	13.69	13.25				
3	QPSK	8	4	13.46	13.54	13.35	14	0		
3	QPSK	8	7	13.21	13.53	13.60				
3	QPSK	15	0	13.36	13.51	13.45				
3	HQAM	1	0	13.37	13.50	13.42				
3	HQAM	1	8	13.36	13.48	13.26	14	0		
3	HQAM	1	14	13.36	13.47	13.39				
3	HQAM	8	0	13.35	13.52	13.37				
3	HQAM	8	4	13.15	13.55	13.23	14	0		
3	HQAM	8	7	13.22	13.45	13.42				
3	HQAM	15	0	13.03	13.41	13.32				
3	HQAM	1	0	13.55	13.62	13.38				
3	HQAM	8	0	13.30	13.60	13.14	14	0		
3	HQAM	1	14	13.21	13.52	13.36				
3	HQAM	8	0	13.40	13.43	13.28				
3	HQAM	8	4	13.34	13.33	13.40	14	0		
3	HQAM	8	7	13.13	13.56	13.69				
3	HQAM	15	0	13.13	13.51	13.30				
3	25QAM	1	0	13.40	13.53	13.52				
3	25QAM	1	8	13.24	13.57	13.23	14	0		
3	25QAM	1	14	13.24	13.48	13.31				
3	25QAM	8	0	13.32	13.56	13.18				
3	25QAM	8	4	13.12	13.33	13.40	14	0		
3	25QAM	8	7	13.25	13.58	13.39				
3	25QAM	15	0	13.08	13.41	13.27				
Channel										
1860.7 1860.7 1910.3										
1.4	QPSK	1	0	13.51	13.55	13.55				
1.4	QPSK	1	3	13.26	13.61	13.29	14	0		
1.4	QPSK	1	6	13.33	13.50	13.46				
1.4	QPSK	3	0	13.56	13.68	13.31				
1.4	QPSK	3	1	13.27	13.47	13.41	14	0		
1.4	QPSK	3	4	13.27	13.47	13.41				
1.4	QPSK	6	0	13.26	13.51	13.42	14	0		
1.4	QPSK	6	3	13.54	13.67	13.47				
1.4	HQAM	1	0	13.37	13.56	13.27				
1.4	HQAM	1	5	13.28	13.69	13.47	14	0		
1.4	HQAM	1	10	13.52	13.63	13.52				
1.4	HQAM	3	1	13.21	13.45	13.22				
1.4	HQAM	3	3	13.16	13.58	13.47	14	0		
1.4	HQAM	6	0	13.28	13.49	13.26				
1.4	HQAM	1	0	13.40	13.59	13.28				
1.4	HQAM	1	3	13.32	13.64	13.19	14	0		
1.4	HQAM	1	6	13.39	13.32	13.40				
1.4	HQAM	3	0	13.39	13.57	13.34				
1.4	HQAM	3	3	13.24	13.34	13.24	14	0		
1.4										



Band 25 Ant2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up Int. (dBm)	MPE (dB)	
Channel										
1860 1860 1860										
20	QPSK	1	0	13.45	13.81	13.72				
20	QPSK	1	49	13.55	13.78	13.87	14	0		
20	QPSK	1	99	13.50	13.79	13.88				
20	QPSK	30	0	13.44	13.78	13.86				
20	QPSK	30	24	13.52	13.84	13.95	14	0		
20	QPSK	50	50	13.44	13.78	13.86				
20	QPSK	100	0	13.39	13.68	13.86				
20	HQAM	1	0	13.82	13.76	13.61	14	0		
20	HQAM	1	49	13.54	13.83	13.49				
20	HQAM	1	99	13.47	13.74	13.67				
20	HQAM	50	0	13.53	13.64	13.57				
20	HQAM	50	24	13.58	13.87	13.41	14	0		
20	HQAM	50	50	13.30	13.66	13.66				
20	HQAM	100	0	13.51	13.58	13.53				
20	HQAM	1	49	13.45	13.59	13.59				
20	HQAM	1	49	13.47	13.72	13.42	14	0		
20	HQAM	1	99	13.48	13.65	13.56				
20	HQAM	50	0	13.55	13.67	13.46				
20	HQAM	50	24	13.45	13.51	13.55	14	0		
20	HQAM	50	50	13.30	13.76	13.65				
20	25QAM	1	0	13.82	13.78	13.67				
20	25QAM	1	49	13.41	13.72	13.42	14	0		
20	25QAM	1	99	13.39	13.64	13.58				
20	25QAM	50	0	13.59	13.70	13.43				
20	25QAM	50	24	13.44	13.66	13.32	14	0		
20	25QAM	50	50	13.43	13.75	13.58				
20	25QAM	100	0	13.30	13.63	13.52				
Channel										
20550 20540 20560										
Frequency (MHz)										
15	QPSK	1	0	13.56	13.70	13.63				
15	QPSK	1	37	13.43	13.66	13.66	14	0		
15	QPSK	1	74	13.48	13.79	13.68				
15	QPSK	36	0	13.61	13.79	13.57				
15	QPSK	36	24	13.51	13.58	13.46	14	0		
15	QPSK	36	36	13.41	13.64	13.54				
15	QPSK	75	0	13.29	13.63	13.44				
15	HQAM	1	0	13.58	13.61	13.63				
15	HQAM	1	37	13.49	13.58	13.48	14	0		
15	HQAM	1	74	13.47	13.68	13.66				
15	HQAM	36	0	13.42	13.53	13.58				
15	HQAM	36	24	13.23	13.59	13.25	14	0		
15	HQAM	36	36	13.29	13.53	13.48				
15	HQAM	75	0	13.17	13.48	13.50				
15	HQAM	1	0	13.52	13.70	13.50				
15	HQAM	1	37	13.45	13.57	13.46	14	0		
15	HQAM	1	74	13.41	13.64	13.59				
15	HQAM	36	0	13.44	13.59	13.45				
15	HQAM	36	24	13.34	13.48	13.47	14	0		
15	HQAM	36	36	13.24	13.69	13.58				
15	HQAM	75	0	13.09	13.57	13.46				
15	25QAM	1	0	13.58	13.72	13.60				
15	25QAM	1	37	13.32	13.68	13.31	14	0		
15	25QAM	1	74	13.34	13.56	13.52				
15	25QAM	36	0	13.55	13.69	13.54				
15	25QAM	36	24	13.36	13.58	13.40	14	0		
15	25QAM	36	36	13.26	13.68	13.53				
15	25QAM	75	0	13.20	13.57	13.47				
15	25QAM	75	0	13.20	13.57	13.47				
Channel										
20555 20545 20565										
Frequency (MHz)										
5	QPSK	1	0	13.15	13.74	13.52				
5	QPSK	1	12	13.53	13.73	13.44	14	0		
5	QPSK	1	24	13.41	13.63	13.67				
5	QPSK	12	0	13.46	13.74	13.49				
5	QPSK	12	7	13.43	13.58	13.45	14	0		
5	QPSK	12	13	13.32	13.69	13.59				
5	QPSK	25	0	13.28	13.67	13.48				
5	HQAM	1	0	13.89	13.65	13.48				
5	HQAM	1	12	13.49	13.52	13.39	14	0		
5	HQAM	1	24	13.39	13.69	13.56				
5	HQAM	12	0	13.47	13.52	13.59				
5	HQAM	12	7	13.35	13.58	13.56	14	0		
5	HQAM	12	13	13.26	13.54	13.51				
5	HQAM	25	0	13.26	13.48	13.52				
5	HQAM	1	0	13.48	13.58	13.38				
5	HQAM	1	12	13.34	13.60	13.29	14	0		
5	HQAM	1	24	13.48	13.51	13.48				
5	HQAM	12	0	13.51	13.58	13.35				
5	HQAM	12	7	13.32	13.45	13.59	14	0		
5	HQAM	12	13	13.34	13.74	13.51				
5	HQAM	25	0	13.12	13.53	13.48				
5	25QAM	1	0	13.57	13.74	13.65				
5	25QAM	1	12	13.36	13.63	13.53	14	0		
5	25QAM	1	24	13.28	13.53	13.47				
5	25QAM	12	0	13.57	13.54	13.30				
5	25QAM	12	7	13.35	13.47	13.45	14	0		
5	25QAM	12	13	13.32	13.74	13.46				
5	25QAM	25	0	13.18	13.49	13.40				
Channel										
1891.5 1890 1893.5										
Frequency (MHz)										
3	QPSK	1	0	13.83	13.73	13.65				
3	QPSK	1	8	13.45	13.66	13.53	14	0		
3	QPSK	1	14	13.42	13.75	13.61				
3	QPSK	8	0	13.60	13.67	13.45				
3	QPSK	8	4	13.47	13.61	13.45	14	0		
3	QPSK	8	7	13.30	13.71	13.53				
3	QPSK	15	0	13.30	13.59	13.54				
3	HQAM	1	0	13.59	13.67	13.54				
3	HQAM	1	8	13.53	13.60	13.43	14	0		
3	HQAM	1	14	13.39	13.59	13.52				
3	HQAM	8	0	13.41	13.67	13.44				
3	HQAM	8	4	13.27	13.60	13.35	14	0		
3	HQAM	8	7	13.16	13.63	13.32				
3	HQAM	15	0	13.27	13.55	13.51				
3	HQAM	1	0	13.53	13.65	13.47				
3	HQAM	8	0	13.46	13.64	13.41	14	0		
3	HQAM	1	14	13.42	13.56	13.53				
3	HQAM	8	0	13.48	13.66	13.33				
3	HQAM	8	4	13.37	13.43	13.45	14	0		
3	HQAM	8	7	13.16	13.64	13.63				
3	25QAM	1	0	13.24	13.66	13.32				
3	25QAM	1	0	13.62	13.74	13.63				
3	25QAM	1	8	13.31	13.66	13.37	14	0		
3	25QAM	1	8	13.17	13.67	13.32				
3	25QAM	8	0	13.45	13.60	13.35				
3	25QAM	8	4	13.24	13.46	13.46	14	0		
3	25QAM	8	7	13.35	13.69	13.44				
3	25QAM	15	0	13.18	13.60	13.43				
Channel										
1890.7 1890 1891.3										
Frequency (MHz)										
1.4	QPSK	1	0	13.60	13.68	13.71				
1.4	QPSK	1	5	13.70	13.59	13.56	14	0		
1.4	QPSK	1	5	13.37	13.67	13.67				
1.4	QPSK	3	0	13.62	13.77	13.58				
1.4	QPSK	3	5	13.50	13.51	13.51	14	0		
1.4	QPSK	3	5	13.38	13.64	13.52				
1.4	QPSK	6	0	13.35	13.59	13.47				
1.4	QPSK	6	5	13.27	13.74	13.60				
1.4	HQAM	1	3	13.41	13.49	13.48				
1.4	HQAM	1	5	13.37	13.59	13.59				
1.4	HQAM	3	0	13.62	13.67	13.45	14	0		
1.4	HQAM	3	5	13.30	13.57	13.50				
1.4	HQAM	6	0	13.32	13.64	13.51				
1.4	HQAM	6	5	13.23	13.60	13.31	14	0		
1.4	HQAM	1	3	13.48	13.48	13.48				
1.4	HQAM	3	0	13.30	13.48	13.48				
1.4	HQAM	3	5	13.37	13.72	13.52				
1.4	HQAM	6	0	13.27	13.63	13.40				
1.4	HQAM	6	5	13.31	13.71	13.63				
1.4	HQAM	6	5	13.24	13.61	13.31	14	0		
1.4	HQAM	1	3	13.47	13.47	13.47				
1.4	HQAM	3	0	13.30	13.48	13.48				
1.4	HQAM	3	5	13.33	13.69	13.42				
1.4	HQAM	6	0	13.26	13.60	13.36	14	0		
1.4	HQAM	6	5	13.27	13.73	13.52				
1.4	HQAM	6	5	13.30	13.68	13.48				

Band 38 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	12.28	12.46	12.24	13	0	
20	QPSK	1	49	12.24	12.27	12.20			
20	QPSK	1	99	12.19	12.20	12.15			
20	QPSK	50	0	12.18	12.22	12.14			
20	QPSK	50	24	12.17	12.13	12.03	13	0	
20	QPSK	50	50	12.01	12.11	12.10			
20	QPSK	100	0	12.24	12.25	11.98			
20	16QAM	1	0	12.18	12.32	12.11			
20	16QAM	1	49	12.14	12.13	12.03	13	0	
20	16QAM	1	99	12.25	12.26	12.01			
20	16QAM	50	0	12.19	12.17	12.01			
20	16QAM	50	24	12.05	12.05	12.09			
20	16QAM	50	50	12.06	12.16	12.11	13	0	
20	16QAM	100	0	12.13	12.20	11.98			
20	64QAM	1	0	12.16	12.19	12.12			
20	64QAM	1	49	12.19	12.25	12.02	13	0	
20	64QAM	1	99	12.11	12.10	12.19			
20	64QAM	50	0	12.06	12.12	11.95			
20	64QAM	50	24	12.15	12.07	11.92			
20	64QAM	50	50	12.07	12.14	12.07	13	0	
20	64QAM	100	0	12.22	12.22	11.93			
20	256QAM	1	0	12.23	12.31	12.25			
20	256QAM	1	49	12.12	12.08	12.04	13	0	
20	256QAM	1	99	12.13	12.22	12.09			
20	256QAM	50	0	12.02	12.29	12.20			
20	256QAM	50	24	11.92	12.02	12.02	13	0	
20	256QAM	50	50	12.05	12.17	12.02			
20	256QAM	100	0	11.98	12.28	12.04			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	12.16	12.35	12.13	13	0	
15	QPSK	1	37	12.19	12.21	12.09			
15	QPSK	1	74	12.16	12.16	12.15			
15	QPSK	36	0	12.16	12.09	12.08			
15	QPSK	36	20	12.14	12.01	11.89	13	0	
15	QPSK	36	39	11.96	12.04	12.02			
15	QPSK	75	0	12.24	12.16	11.85			
15	16QAM	1	0	12.08	12.29	12.01			
15	16QAM	1	37	12.12	12.12	12.04	13	0	
15	16QAM	1	74	12.18	12.26	11.88			
15	16QAM	36	0	12.09	12.02	11.89			
15	16QAM	36	20	11.93	12.01	12.01			
15	16QAM	36	39	12.06	12.07	12.01	13	0	
15	16QAM	75	0	12.12	12.20	11.85			
15	64QAM	1	0	12.14	12.07	12.06			
15	64QAM	1	37	12.12	12.12	11.90	13	0	
15	64QAM	1	74	12.05	12.10	12.17			
15	64QAM	36	0	11.91	12.10	11.91			
15	64QAM	36	20	12.09	11.95	11.80			
15	64QAM	36	39	11.96	12.14	11.98	13	0	
15	64QAM	75	0	12.13	12.17	11.79			
15	256QAM	1	0	12.19	12.19	12.25			
15	256QAM	1	37	12.00	12.01	11.95	13	0	
15	256QAM	1	74	12.10	12.09	12.03			
15	256QAM	36	0	12.02	12.19	12.09			
15	256QAM	36	20	11.78	12.01	11.91			
15	256QAM	36	39	12.02	12.12	12.03	13	0	
15	256QAM	75	0	11.93	12.21	11.90			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	12.18	12.38	12.23	13	0	
10	QPSK	1	25	12.24	12.14	12.14			
10	QPSK	1	49	12.14	12.09	12.07			
10	QPSK	25	0	12.10	12.09	12.04			
10	QPSK	25	12	12.16	12.03	11.90	13	0	
10	QPSK	25	25	11.99	12.03	12.10			
10	QPSK	50	0	12.23	12.26	11.85			
10	16QAM	1	0	12.16	12.30	12.11			
10	16QAM	1	25	12.10	12.12	11.94	13	0	
10	16QAM	1	49	12.13	12.18	11.89			
10	16QAM	25	0	12.19	12.02	11.92			
10	16QAM	25	12	11.96	12.04	11.98			
10	16QAM	25	25	11.97	12.14	12.00	13	0	
10	16QAM	50	0	12.12	12.10	11.86			
10	64QAM	1	0	12.15	12.18	11.99			
10	64QAM	1	25	12.12	12.24	11.95	13	0	
10	64QAM	1	49	12.03	11.97	12.15			
10	64QAM	25	0	11.95	11.97	11.88			
10	64QAM	25	12	12.06	12.05	11.92			
10	64QAM	25	25	12.04	12.01	11.94	13	0	
10	64QAM	50	0	12.24	12.20	11.78			
10	256QAM	1	0	12.29	12.22	12.24			
10	256QAM	1	25	12.00	11.95	11.98			
10	256QAM	1	49	12.10	12.09	12.08	13	0	
10	256QAM	25	0	12.01	12.22	12.12			
10	256QAM	25	12	11.88	11.90	11.98			
10	256QAM	25	25	11.97	12.15	11.90			
10	256QAM	50	0	11.94	12.18	11.94	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	12.20	12.45	12.17	13	0	
5	QPSK	1	12	12.19	12.27	12.18			
5	QPSK	1	24	12.13	12.17	12.04			
5	QPSK	12	0	12.12	12.22	12.07			
5	QPSK	12	7	12.09	12.03	11.90	13	0	
5	QPSK	12	13	11.95	11.98	11.98			
5	QPSK	25	0	12.14	12.11	11.86			
5	16QAM	1	0	12.17	12.26	12.03			
5	16QAM	1	12	12.05	12.03	12.04	13	0	
5	16QAM	1	24	12.12	12.24	12.00			
5	16QAM	12	0	12.17	12.12	11.96			
5	16QAM	12	7	11.98	12.02	11.94			
5	16QAM	12	13	11.95	12.05	12.06	13	0	
5	16QAM	25	0	12.10	12.07	11.95			
5	64QAM	1	0	12.13	12.18	12.09			
5	64QAM	1	12	12.11	12.11	11.94	13	0	
5	64QAM	1	24	12.06	11.98	12.12			
5	64QAM	12	0	11.91	12.07	11.90			
5	64QAM	12	7	12.03	12.04	11.78			
5	64QAM	12	13	12.05	12.12	12.02	13	0	
5	64QAM	25	0	12.11	12.14	11.87			
5	256QAM	1	0	12.19	12.20	12.25			
5	256QAM	1	12	12.12	12.05	12.02	13	0	
5	256QAM	1	24	12.07	12.08	11.99			
5	256QAM	12	0	11.99	12.25	12.05			
5	256QAM	12	7	11.80	11.90	11.88			
5	256QAM	12	13	12.02	12.17	11.87	Tune-up limit (dBm)	MPR (dB)	
5	256QAM	25	0	11.84	12.20	12.04			

Band 41 Ant2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	12.35	12.39	12.51	12.30	12.27	13	0
20	QPSK	1	49	12.39	12.27	12.32	12.23	12.21		
20	QPSK	1	99	12.34	12.26	12.34	12.26	12.35		
20	QPSK	50	0	12.27	12.25	12.35	12.29	12.16	13	0
20	QPSK	50	24	12.29	12.21	12.16	12.10	12.26		
20	QPSK	50	50	12.31	12.08	12.19	12.21	12.34		
20	QPSK	100	0	12.13	12.26	12.28	12.11	12.26	13	0
20	16QAM	1	0	12.38	12.23	12.41	12.21	12.30		
20	16QAM	1	49	12.21	12.22	12.16	12.15	12.15		
20	16QAM	1	99	12.11	12.32	12.34	12.13	12.28	13	0
20	16QAM	50	0	12.23	12.22	12.29	12.01	12.09		
20	16QAM	50	24	12.19	12.09	12.09	12.16	12.16		
20	16QAM	50	50	12.17	12.07	12.19	12.20	12.16	13	0
20	16QAM	100	0	12.08	12.20	12.22	12.01	12.22		
20	64QAM	1	0	12.29	12.30	12.24	12.19	12.16		
20	64QAM	1	49	12.26	12.18	12.26	12.06	12.21	13	0
20	64QAM	1	99	12.26	12.16	12.19	12.22	12.22		
20	64QAM	50	0	12.22	12.11	12.25	12.08	12.03		
20	64QAM	50	24	12.14	12.27	12.18	12.04	12.08	13	0
20	64QAM	50	50	12.07	12.18	12.21	12.20	12.24		
20	64QAM	100	0	11.92	12.28	12.24	11.99	12.11		
20	256QAM	1	0	12.43	12.32	12.36	12.34	12.13	13	0
20	256QAM	1	49	12.31	12.22	12.11	12.13	12.26		
20	256QAM	1	99	12.18	12.27	12.30	12.12	12.21		
20	256QAM	50	0	12.24	12.01	12.35	12.21	12.16	13	0
20	256QAM	50	24	12.18	12.07	12.01	12.02	12.12		
20	256QAM	50	50	12.18	12.08	12.23	12.16	12.20		
20	256QAM	100	0	12.02	12.04	12.27	12.06	11.99	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	12.26	12.38	12.39	12.30	12.15	13	0
15	QPSK	1	37	12.31	12.22	12.20	12.22	12.12		
15	QPSK	1	74	12.25	12.12	12.26	12.18	12.26		
15	QPSK	36	0	12.19	12.19	12.27	12.24	12.08	13	0
15	QPSK	36	20	12.27	12.07	12.09	12.07	12.21		
15	QPSK	36	39	12.26	12.00	12.11	12.17	12.25		
15	QPSK	1	0	12.03	12.19	12.24	12.01	12.20	13	0
15	16QAM	1	0	12.37	12.18	12.37	12.12	12.17		
15	16QAM	1	37	12.22	12.11	12.07	12.06	12.00		
15	16QAM	1	74	11.98	12.26	12.33	11.99	12.05	13	0
15	16QAM	36	0	12.20	12.16	12.16	11.88	12.00		
15	16QAM	36	20	12.12	12.06	12.01	12.12	12.10		
15	16QAM	36	39	12.08	12.04	12.07	12.10	12.04	13	0
15	16QAM	75	0	12.05	12.20	12.20	11.87	12.09		
15	64QAM	1	0	12.27	12.22	12.24	12.19	12.15		
15	64QAM	1	37	12.20	12.08	12.26	11.92	12.07	13	0
15	64QAM	1	74	12.16	12.09	12.14	12.20	12.17		
15	64QAM	36	0	12.12	12.01	12.14	12.02	11.98		
15	64QAM	36	20	12.11	12.21	12.12	11.99	12.02	13	0
15	64QAM	36	39	11.98	12.17	12.21	12.20	12.13		
15	64QAM	75	0	11.82	12.19	12.21	11.85	12.05		
15	256QAM	1	0	12.37	12.21	12.34	12.28	12.10	13	0
15	256QAM	1	37	12.16	12.07	12.04	12.10	12.21		
15	256QAM	1	74	12.10	12.16	12.21	12.07	12.18		
15	256QAM	36	0	12.23	11.92	12.26	12.15	12.12	13	0
15	256QAM	36	20	12.14	12.03	11.88	11.99	11.98		
15	256QAM	36	39	12.15	12.00	12.10	12.04	12.17		
15	256QAM	75	0	11.88	12.01	12.15	11.95	11.87	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	12.22	12.28	12.37	12.25	12.21	13.00	0
10	QPSK	1	25	12.24	12.24	12.19	12.08	12.21		
10	QPSK	1	49	12.31	12.15	12.21	12.22	12.29		
10	QPSK	25	0	12.19	12.15	12.23	12.29	12.07	13	0
10	QPSK	25	12	12.17	12.12	12.04	11.99	12.27		
10	QPSK	25	25	12.31	12.01	12.11	12.08	12.32		
10	QPSK	50	0	12.03	12.14	12.18	12.06	12.19	13	0
10	16QAM	1	0	12.29	12.11	12.27	12.20	12.23		
10	16QAM	1	25	12.21	12.19	12.11	12.05	12.14		
10	16QAM	1	49	12.07	12.20	12.31	12.14	12.22	13	0
10	16QAM	25	0	12.09	12.19	12.18	11.87	12.06		
10	16QAM	25	12	12.13	11.94	11.96	12.14	12.17		
10	16QAM	25	25	12.06	12.07	12.07	12.15	12.10	13	0
10	16QAM	50	0	11.94	12.12	12.07	11.96	12.09		
10	64QAM	1	0	12.20	12.22	12.21	12.17	12.05		
10	64QAM	1	25	12.16	12.18	12.27	12.05	12.13	13	0
10	64QAM	1	49	12.28	12.08	12.06	12.21	12.08		
10	64QAM	25	0	12.23	12.06	12.14	11.95	11.92		
10	64QAM	25	12	12.11	12.16	12.07	11.92	12.05	13	0
10	64QAM	25	25	12.05	12.13	12.17	12.20	12.23		
10	64QAM	50	0	11.85	12.22	12.21	11.98	11.97		
10	256QAM	1	0	12.36	12.23	12.28	12.29	12.10	13	0
10	256QAM	1	25	12.30	12.13	11.98	11.98	12.17		
10	256QAM	1	49	12.07	12.21	12.18	12.00	12.17		
10	256QAM	25	0	12.14	11.87	12.31	12.16	12.07	13	0
10	256QAM	25	12	12.17	12.04	11.87	11.93	12.04		
10	256QAM	25	25	12.03	12.07	12.16	12.06	12.14		
10	256QAM	50	0	11.87	11.97	12.14	12.00	11.94	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.3	2593	2640.3	2687.5		
5	QPSK	1	0	12.24	12.33	12.33	12.30	12.19	13.00	0
5	QPSK	1	12	12.23	12.23	12.30	12.19	12.07		
5	QPSK	1	24	12.23	12.25	12.33	12.20	12.22		
5	QPSK	12	0	12.21	12.13	12.26	12.25	12.10	13	0
5	QPSK	12	7	12.29	12.13	12.03	12.08	12.17		
5	QPSK	12	13	12.17	11.97	12.06	12.15	12.20		
5	QPSK	25	0	12.02	12.13	12.29	12.01	12.23	13	0
5	16QAM	1	0	12.32	12.11	12.34	12.11	12.16		
5	16QAM	1	12	12.21	12.20	12.02	12.08	12.12		
5	16QAM	1	24	12.10	12.20	12.32	12.06	12.24	13	0
5	16QAM	12	0	12.15	12.15	12.21	11.96	11.95		
5	16QAM	12	7	12.11	12.05	12.03	12.14	12.11		
5	16QAM	12	13	12.08	11.99	12.15	12.06	12.15	13	0
5	16QAM	25	0	11.93	12.15	12.19	11.96	12.12		
5	64QAM	1	0	12.22	12.29	12.24	12.17	12.15		
5	64QAM	1	12	12.11	12.13	12.17	11.95	12.19	13	0
5	64QAM	1	24	12.22	12.13	12.12	12.11	12.13		
5	64QAM	12	0	12.09	12.10	12.11	12.07	11.90		
5	64QAM	12	7	12.02	12.21	12.10	11.94	11.94	13	0
5	64QAM	12	13	11.98	12.13	12.18	12.12	12.16		
5	64QAM	25	0	11.92	12.17	12.22	11.95	12.06		
5	256QAM	1	0	12.34	12.26	12.25	12.28	12.11	13	0
5	256QAM	1	12	12.22	12.19	12.00	12.02	12.12		
5	256QAM	1	24	12.13	12.23	12.23	12.08	12.15		
5	256QAM	12	0	12.23	11.90	12.33	12.21	12.10	13	0
5	256QAM	12	7	12.18	12.08	11.87	11.99	11.98		
5	256QAM	12	13	12.15	12.01	12.09	12.02	12.17		
5	256QAM	25	0	12.00	12.02	12.17	11.97	11.92		

Band 42 Ant3									
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	14.55	14.63	14.60	15	0	
20	QPSK	1	49	14.38	14.49	14.48			
20	QPSK	1	99	14.52	14.46	14.52			
20	QPSK	50	0	14.57	14.58	14.50	15	0	
20	QPSK	50	24	14.44	14.40	14.36			
20	QPSK	50	50	14.51	14.49	14.51			
20	QPSK	100	0	14.45	14.49	14.48	15	0	
20	16QAM	1	0	14.48	14.43	14.47			
20	16QAM	1	49	14.35	14.50	14.41			
20	16QAM	1	99	14.61	14.47	14.47	15	0	
20	16QAM	50	0	14.53	14.50	14.47			
20	16QAM	50	24	14.26	14.21	14.37			
20	16QAM	50	50	14.48	14.49	14.44	15	0	
20	16QAM	100	0	14.37	14.34	14.37			
20	64QAM	1	0	14.59	14.61	14.61			
20	64QAM	1	49	14.39	14.52	14.45	15	0	
20	64QAM	1	99	14.51	14.42	14.50			
20	64QAM	50	0	14.48	14.51	14.41			
20	64QAM	50	24	14.26	14.38	14.28	15	0	
20	64QAM	50	50	14.36	14.45	14.44			
20	64QAM	100	0	14.37	14.55	14.36			
20	256QAM	1	0	14.57	14.43	14.37	15	0	
20	256QAM	1	49	14.37	14.45	14.38			
20	256QAM	1	99	14.50	14.44	14.59			
20	256QAM	50	0	14.49	14.49	14.46	15	0	
20	256QAM	50	24	14.21	14.37	14.20			
20	256QAM	50	50	14.38	14.49	14.31			
20	256QAM	100	0	14.32	14.44	14.34			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	14.43	14.56	14.53	15	0	
15	QPSK	1	37	14.24	14.36	14.35			
15	QPSK	1	74	14.38	14.43	14.48			
15	QPSK	36	0	14.51	14.57	14.45	15	0	
15	QPSK	36	20	14.36	14.32	14.23			
15	QPSK	36	39	14.48	14.36	14.40			
15	QPSK	75	0	14.35	14.42	14.44	15	0	
15	16QAM	1	0	14.44	14.28	14.44			
15	16QAM	1	37	14.20	14.46	14.33			
15	16QAM	1	74	14.48	14.34	14.36	15	0	
15	16QAM	36	0	14.40	14.37	14.42			
15	16QAM	36	20	14.15	14.05	14.34			
15	16QAM	36	39	14.37	14.37	14.29	15	0	
15	16QAM	75	0	14.35	14.21	14.36			
15	64QAM	1	0	14.55	14.47	14.54	15	0	
15	64QAM	1	37	14.36	14.43	14.32			
15	64QAM	1	74	14.39	14.37	14.39			
15	64QAM	36	0	14.37	14.38	14.36	15	0	
15	64QAM	36	20	14.20	14.35	14.20			
15	64QAM	36	39	14.21	14.31	14.36			
15	64QAM	75	0	14.34	14.41	14.20	15	0	
15	256QAM	1	0	14.46	14.38	14.22			
15	256QAM	1	37	14.34	14.42	14.29			
15	256QAM	1	74	14.41	14.31	14.48	15	0	
15	256QAM	36	0	14.42	14.43	14.31			
15	256QAM	36	20	14.06	14.32	14.04			
15	256QAM	36	39	14.29	14.40	14.18	15	0	
15	256QAM	75	0	14.24	14.39	14.19			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	14.45	14.58	14.53	15	0	
10	QPSK	1	25	14.35	14.48	14.39			
10	QPSK	1	49	14.41	14.33	14.43			
10	QPSK	25	0	14.57	14.48	14.43	15	0	
10	QPSK	25	12	14.33	14.36	14.23			
10	QPSK	25	25	14.43	14.35	14.44			
10	QPSK	50	0	14.40	14.45	14.42	15	0	
10	16QAM	1	0	14.33	14.35	14.36			
10	16QAM	1	25	14.24	14.49	14.29			
10	16QAM	1	49	14.58	14.35	14.44	15	0	
10	16QAM	25	0	14.38	14.49	14.46			
10	16QAM	25	12	14.19	14.09	14.26			
10	16QAM	25	25	14.44	14.45	14.31	15	0	
10	16QAM	50	0	14.29	14.22	14.24			
10	64QAM	1	0	14.47	14.59	14.56			
10	64QAM	1	25	14.33	14.43	14.37	15	0	
10	64QAM	1	49	14.46	14.39	14.35			
10	64QAM	25	0	14.42	14.38	14.41			
10	64QAM	25	12	14.18	14.27	14.17	15	0	
10	64QAM	25	25	14.31	14.33	14.33			
10	64QAM	50	0	14.33	14.51	14.30			
10	256QAM	1	0	14.55	14.33	14.26	15	0	
10	256QAM	1	25	14.27	14.31	14.36			
10	256QAM	1	49	14.47	14.36	14.44			
10	256QAM	25	0	14.37	14.33	14.46	15	0	
10	256QAM	25	12	14.13	14.23	14.16			
10	256QAM	25	25	14.33	14.45	14.22			
10	256QAM	50	0	14.16	14.32	14.31			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	14.55	14.60	14.58	15	0	
5	QPSK	1	12	14.28	14.42	14.42			
5	QPSK	1	24	14.44	14.43	14.46			
5	QPSK	12	0	14.45	14.43	14.48	15	0	
5	QPSK	12	7	14.43	14.33	14.20			
5	QPSK	12	13	14.44	14.38	14.47			
5	QPSK	25	0	14.38	14.38	14.47	15	0	
5	16QAM	1	0	14.33	14.37	14.39			
5	16QAM	1	12	14.28	14.34	14.27			
5	16QAM	1	24	14.50	14.36	14.39	15	0	
5	16QAM	12	0	14.37	14.43	14.37			
5	16QAM	12	7	14.11	14.15	14.32			
5	16QAM	12	13	14.46	14.48	14.34	15	0	
5	16QAM	25	0	14.21	14.20	14.32			
5	64QAM	1	0	14.59	14.51	14.50			
5	64QAM	1	12	14.31	14.51	14.39	15	0	
5	64QAM	1	24	14.41	14.31	14.39			
5	64QAM	12	0	14.37	14.44	14.27			
5	64QAM	12	7	14.19	14.25	14.20	15	0	
5	64QAM	12	13	14.28	14.38	14.37			
5	64QAM	25	0	14.32	14.44	14.28			
5	256QAM	1	0	14.46	14.29	14.32	15	0	
5	256QAM	1	12	14.29	14.29	14.33			
5	256QAM	1	24	14.34	14.36	14.54			
5	256QAM	12	0	14.49	14.33	14.38	15	0	
5	256QAM	12	7	14.12	14.33	14.19			
5	256QAM	12	13	14.32	14.34	14.22			
5	256QAM	25	0	14.29	14.36	14.31			

Reduced Power for ENDC/inter-band ULCA

Band 5 Ant1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 20450	Power Middle Ch. Freq. 20525	Power High Ch. Freq. 20600	Tune-up limit (dBm)	MPR (dB)			
Channel				829	836.5	844					
Frequency (MHz)				18.35	18.46	18.37					
10	QPSK	1	0	18.35	18.46	18.37	19.5	0			
10	QPSK	1	25	18.23	18.34	18.21					
10	QPSK	1	49	18.27	18.27	18.23					
10	QPSK	25	0	18.15	18.42	18.34	19.5	0			
10	QPSK	25	12	18.24	18.18	18.22					
10	QPSK	25	25	18.25	18.14	18.30					
10	QPSK	50	0	18.17	18.36	18.31	19.5	0			
10	16QAM	1	0	18.19	18.26	18.25					
10	16QAM	1	25	18.18	18.44	18.11					
10	16QAM	1	49	18.26	18.21	18.22	19.5	0			
10	16QAM	25	0	18.20	18.37	18.29					
10	16QAM	25	12	18.11	18.13	18.05					
10	16QAM	25	25	18.33	18.23	18.25	19.5	0			
10	16QAM	50	0	18.12	18.20	18.26					
10	64QAM	1	0	18.29	18.41	18.28					
10	64QAM	1	25	18.14	18.33	18.18	19.5	0			
10	64QAM	1	49	18.25	18.24	18.14					
10	64QAM	25	0	18.27	18.22	18.17					
10	64QAM	25	12	18.01	18.20	18.25	19.5	0			
10	64QAM	25	25	18.26	18.16	18.11					
10	64QAM	50	0	18.15	18.22	18.11					
10	256QAM	1	0	18.22	18.44	18.22	19.5	0			
10	256QAM	1	25	18.15	18.29	18.23					
10	256QAM	1	49	18.23	18.29	18.13					
10	256QAM	25	0	18.12	18.29	18.15	19.5	0			
10	256QAM	25	12	18.06	18.10	18.13					
10	256QAM	25	25	18.18	18.09	18.27					
10	256QAM	50	0	18.28	18.17	18.38	Tune-up limit (dBm) MPR (dB)				
Channel				20425	20525	20625					
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	0	18.33	18.38	18.38	19.5	0			
5	QPSK	1	12	18.17	18.24	18.08					
5	QPSK	1	24	18.15	18.22	18.12					
5	QPSK	12	0	18.03	18.37	18.33	19.5	0			
5	QPSK	12	7	18.17	18.07	18.22					
5	QPSK	12	13	18.11	18.10	18.31					
5	QPSK	25	0	18.13	18.30	18.26	19.5	0			
5	16QAM	1	0	18.16	18.28	18.21					
5	16QAM	1	12	18.19	18.42	18.04					
5	16QAM	1	24	18.27	18.20	18.10	19.5	0			
5	16QAM	12	0	18.19	18.31	18.21					
5	16QAM	12	7	18.04	18.09	17.96					
5	16QAM	12	13	18.23	18.16	18.17	19.5	0			
5	16QAM	25	0	17.99	18.10	18.21					
5	64QAM	1	0	18.27	18.31	18.23					
5	64QAM	1	12	18.05	18.34	18.14	19.5	0			
5	64QAM	1	24	18.21	18.22	18.02					
5	64QAM	12	0	18.22	18.23	18.10					
5	64QAM	12	7	18.01	18.19	18.16	19.5	0			
5	64QAM	12	13	18.18	18.18	18.13					
5	64QAM	25	0	18.04	18.16	18.01					
5	256QAM	1	0	18.19	18.41	18.16	19.5	0			
5	256QAM	1	12	18.02	18.30	18.10					
5	256QAM	1	24	18.17	18.18	18.04					
5	256QAM	12	0	18.07	18.22	18.14	19.5	0			
5	256QAM	12	7	17.99	18.09	18.03					
5	256QAM	12	13	18.06	17.99	18.26					
5	256QAM	25	0	18.17	18.16	18.39	Tune-up limit (dBm) MPR (dB)				
Channel				825.5	836.5	846.5					
3	QPSK	1	0	18.32	18.43	18.31	19.5	0			
3	QPSK	1	8	18.17	18.31	18.12					
3	QPSK	1	14	18.16	18.26	18.12					
3	QPSK	8	0	18.04	18.31	18.20	19.5	0			
3	QPSK	8	4	18.14	18.11	18.10					
3	QPSK	8	7	18.15	18.30	18.30					
3	QPSK	15	0	18.12	18.30	18.29	19.5	0			
3	16QAM	1	0	18.15	18.22	18.17					
3	16QAM	1	8	18.19	18.42	18.07					
3	16QAM	1	14	18.17	18.09	18.16	19.5	0			
3	16QAM	8	0	18.10	18.39	18.27					
3	16QAM	8	7	18.35	18.25	18.23					
3	16QAM	15	0	18.10	18.11	18.26	19.5	0			
3	64QAM	1	0	18.31	18.32	18.18					
3	64QAM	1	8	18.06	18.28	18.18					
3	64QAM	1	14	18.24	18.22	18.15	19.5	0			
3	64QAM	8	0	18.23	18.21	18.14					
3	64QAM	8	4	17.94	18.14	18.26					
3	64QAM	8	7	18.15	18.21	18.07	19.5	0			
3	64QAM	15	0	18.04	18.17	18.05					
3	256QAM	1	0	18.18	18.45	18.15					
3	256QAM	1	8	18.12	18.30	18.16	19.5	0			
3	256QAM	1	14	18.12	18.20	18.06					
3	256QAM	8	0	18.13	18.31	18.13					
3	256QAM	8	4	18.06	18.06	18.08	19.5	0			
3	256QAM	8	7	18.19	18.03	18.21					
3	256QAM	15	0	18.16	18.09	18.26				Tune-up limit (dBm) MPR (dB)	
Channel				20407	20525	20643					
Frequency (MHz)				824.7	836.5	848.3					
1.4	QPSK	1	0	18.21	18.41	18.37	19.5	0			
1.4	QPSK	1	3	18.14	18.29	18.21					
1.4	QPSK	1	5	18.18	18.14	18.23					
1.4	QPSK	3	0	18.05	18.33	18.35	19.5	0			
1.4	QPSK	3	1	18.23	18.10	18.09					
1.4	QPSK	3	3	18.11	18.12	18.28					
1.4	QPSK	6	0	18.10	18.34	18.31	19.5	0			
1.4	16QAM	1	0	18.09	18.27	18.24					
1.4	16QAM	1	3	18.11	18.45	18.09					
1.4	16QAM	1	5	18.26	18.16	18.14	19.5	0			
1.4	16QAM	3	0	18.07	18.26	18.21					
1.4	16QAM	3	1	18.08	18.09	17.92					
1.4	16QAM	6	0	18.02	18.12	18.21	19.5	0			
1.4	64QAM	1	0	18.16	18.30	18.24					
1.4	64QAM	1	3	18.06	18.24	18.08					
1.4	64QAM	1	5	18.15	18.14	18.12	19.5	0			
1.4	64QAM	3	0	18.24	18.19	18.04					
1.4	64QAM	3	1	17.96	18.11	18.23					
1.4	64QAM	3	3	18.17	18.19	18.03	19.5	0			
1.4	64QAM	6	0	18.11	18.16	18.08					
1.4	256QAM	1	0	18.14	18.31	18.23					
1.4	256QAM	1	3	18.09	18.25	18.18	19.5	0			
1.4	256QAM	1	5	18.10	18.27	18.10					
1.4	256QAM	3	0	18.06	18.26	18.13					
1.4	256QAM	3	1	18.08	18.00	18.02	19.5	0			
1.4	256QAM	3	3	18.20	18.10	18.19					
1.4	256QAM	6	0	18.25	18.06	18.32					

Band 26 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 26765	Power Middle Ch. Freq. 26865	Power High Ch. Freq. 26965	Tune-up limit (dBm)	MPR (dB)	
Channel				821.5	831.5	841.5			
Frequency (MHz)				18.40	18.48	18.38			
15	QPSK	1	0	18.40	18.48	18.38	19.5	0	
15	QPSK	1	37	18.37	18.43	18.35			
15	QPSK	1	74	18.36	18.36	18.34			
15	QPSK	36	0	18.26	18.45	18.33	19.5	0	
15	QPSK	36	20	18.26	18.45	18.32			
15	QPSK	36	39	18.35	18.27	18.36			
15	QPSK	75	0	18.31	18.39	18.36	19.5	0	
15	16QAM	1	0	18.27	18.39	18.35			
15	16QAM	1	37	18.30	18.45	18.23			
15	16QAM	1	74	18.28	18.25	18.35	19.5	0	
15	16QAM	36	0	18.26	18.46	18.29			
15	16QAM	36	20	18.13	18.19	18.18			
15	16QAM	36	39	18.34	18.23	18.38	19.5	0	
15	16QAM	75	0	18.18	18.27	18.33			
15	64QAM	1	0	18.37	18.42	18.33			
15	64QAM	1	37	18.26	18.45	18.23	19.5	0	
15	64QAM	1	74	18.13	18.29	18.21			
15	64QAM	36	0	18.26	18.32	18.25			
15	64QAM	36	20	18.14	18.21	18.32	19.5	0	
15	64QAM	36	39	18.36	18.22	18.22			
15	64QAM	75	0	18.17	18.30	18.24			
15	256QAM	1	0	18.29	18.41	18.24	19.5	0	
15	256QAM	1	37	18.29	18.35	18.27			
15	256QAM	1	74	18.22	18.37	18.20			
15	256QAM	36	0	18.18	18.39	18.29	19.5	0	
15	256QAM	36	20	18.17	18.20	18.23			
15	256QAM	36	39	18.26	18.15	18.32			
15	256QAM	75	0	18.30	18.31	18.36	19.5	0	
Channel				26740	26866	26930			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	18.41	18.47	18.27	19.5	0	
10	QPSK	1	25	18.30	18.33	18.29			
10	QPSK	49	0	18.22	18.27	18.22			
10	QPSK	25	0	18.13	18.13	18.14	19.5	0	
10	QPSK	25	12	18.22	18.31	18.25			
10	QPSK	25	25	18.23	18.24	18.23			
10	QPSK	50	0	18.30	18.37	18.29	19.5	0	
10	16QAM	1	0	18.16	18.34	18.20			
10	16QAM	1	25	18.25	18.45	18.12			
10	16QAM	25	0	18.27	18.43	18.16	19.5	0	
10	16QAM	25	12	18.15	18.09	18.19			
10	16QAM	25	25	18.20	18.25	18.27			
10	16QAM	50	0	18.09	18.16	18.26	19.5	0	
10	16QAM	1	0	18.32	18.18	18.23			
10	64QAM	1	25	18.16	18.20	18.17			
10	64QAM	1	49	18.26	18.18	18.19	19.5	0	
10	64QAM	25	0	18.21	18.33	18.27			
10	64QAM	25	12	18.02	18.19	18.22			
10	64QAM	25	25	18.26	18.11	18.23	19.5	0	
10	64QAM	50	0	18.13	18.22	18.14			
10	256QAM	1	0	18.21	18.43	18.16			
10	256QAM	1	25	18.19	18.27	18.25	19.5	0	
10	256QAM	1	49	18.22	18.38	18.16			
10	256QAM	25	0	18.05	18.41	18.23			
10	256QAM	25	12	18.06	18.12	18.21	19.5	0	
10	256QAM	25	25	18.22	18.06	18.29			
10	256QAM	50	0	18.25	18.31	18.20			
Channel				26715	26866	26915	19.5	0	
Frequency (MHz)				816.5	831.5	846.5			
Frequency (MHz)				18.40	18.42	18.27			
5	QPSK	1	0	18.31	18.42	18.27	19.5	0	
5	QPSK	1	12	18.26	18.36	18.35			
5	QPSK	1	24	18.38	18.32	18.21			
5	QPSK	12	0	18.22	18.45	18.21	19.5	0	
5	QPSK	12	7	18.20	18.25	18.23			
5	QPSK	12	13	18.26	18.14	18.29			
5	QPSK	25	0	18.21	18.29	18.26	19.5	0	
5	16QAM	1	0	18.13	18.13	18.14			
5	16QAM	1	12	18.22	18.43	18.12			
5	16QAM	1	24	18.27	18.20	18.23	19.5	0	
5	16QAM	12	0	18.25	18.33	18.22			
5	16QAM	12	7	18.01	18.11	18.06			
5	16QAM	12	13	18.21	18.11	18.14	19.5	0	
5	16QAM	25	0	18.10	18.14	18.21			
5	64QAM	1	0	18.31	18.36	18.23			
5	64QAM	1	12	18.22	18.21	18.19	19.5	0	
5	64QAM	1	24	18.27	18.15	18.15			
5	64QAM	12	0	18.13	18.37	18.23			
5	64QAM	12	7	18.09	18.19	18.12	19.5	0	
5	64QAM	12	13	18.32	18.09	18.14			
5	64QAM	25	0	18.04	18.20	18.12			
5	256QAM	1	0	18.16	18.31	18.14	19.5	0	
5	256QAM	1	12	18.28	18.22	18.16			
5	256QAM	1	24	18.20	18.30	18.19			
5	256QAM	12	0	18.18	18.31	18.21	19.5	0	
5	256QAM	12	7	18.09	18.09	18.12			
5	256QAM	12	13	18.27	18.08	18.12			
5	256QAM	25	0	18.32	18.31	18.37	19.5	0	
Channel				26765	26866	26925			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	18.42	18.37	18.35	19.5	0	
3	QPSK	1	8	18.28	18.41	18.33			
3	QPSK	1	14	18.36	18.23	18.26			
3	QPSK	8	0	18.17	18.38	18.20	19.5	0	
3	QPSK	8	4	18.16	18.29	18.19			
3	QPSK	8	7	18.33	18.18	18.37			
3	QPSK	15	0	18.30	18.27	18.33	19.5	0	
3	16QAM	1	0	18.15	18.39	18.19			
3	16QAM	1	8	18.17	18.45	18.22			
3	16QAM	1	14	18.17	18.22	18.36	19.5	0	
3	16QAM	8	0	18.36	18.37	18.36			
3	16QAM	8	4	18.15	18.12	18.15			
3	16QAM	8	7	18.23	18.15	18.34	19.5	0	
3	16QAM	15	0	18.11	18.29	18.23			
3	64QAM	1	0	18.32	18.35	18.29			
3	64QAM	1	8	18.19	18.30	18.20	19.5	0	
3	64QAM	1	14	18.27	18.31	18.21			
3	64QAM	8	0	18.14	18.19	18.11			
3	64QAM	8	4	18.02	18.21	18.21	19.5	0	
3	64QAM	8	7	18.30	18.19	18.22			
3	64QAM	15	0	18.12	18.18	18.11			
3	256QAM	1	0	18.17	18.18	18.17	19.5	0	
3	256QAM	1	8	18.26	18.29	18.26			
3	256QAM	1	14	18.20	18.26	18.20			
3	256QAM	8	0	18.08	18.27	18.15	19.5	0	
3	256QAM	8	4	18.07	18.17	18.17			
3	256QAM	8	7	18.30	18.06	18.33			
3	256QAM	15	0	18.20	18.20	18.19	19.5	0	
Channel				26997	26995	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	18.32	18.39	18.37	19.5	0	
1.4	QPSK	1	5	18.27	18.41	18.30			
1.4	QPSK	1	5	18.37	18.27	18.22			
1.4	QPSK	3	0	18.26	18.36	18.22	19.5	0	
1.4	QPSK	3	1	18.21	18.31	18.19			
1.4	QPSK	3	3	18.27	18.14	18.27			
1.4	QPSK	6	0	18.26	18.38	18.28	19.5	0	
1.4	16QAM	1	0	18.25	18.32	18.23			
1.4	16QAM	1	3	18.30	18.36	18.12			
1.4	16QAM	1	5	18.28	18.18	18.36	19.5	0	



Band 2 Ant2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up rate (dB)	MPR (dB)		
Channel										
1860 1860 1900										
20	QPSK	1	0	12.04	12.18	12.13			12.5	0
20	QPSK	1	49	11.98	12.10	12.00				
20	QPSK	1	99	11.93	12.02	11.98				
20	QPSK	1	149	11.88	12.04	11.97				
20	QPSK	50	0	12.06	12.10	11.98			12.5	0
20	QPSK	50	24	11.99	12.00	11.94				
20	HQAM	1	49	12.03	11.94	11.90				
20	HQAM	50	0	11.96	11.98	11.90				
20	HQAM	50	24	11.84	12.05	11.88			12.5	0
20	HQAM	50	50	11.86	12.02	11.81				
20	HQAM	100	0	12.02	12.10	11.98				
20	HQAM	1	0	12.03	12.01	12.01				
20	HQAM	1	99	11.78	11.92	11.84			12.5	0
20	HQAM	50	24	11.91	12.03	11.86				
20	HQAM	50	50	11.79	11.86	11.72				
20	HQAM	50	99	11.75	11.88	11.69				
20	25QAM	1	49	11.98	12.07	11.78			12.5	0
20	25QAM	1	99	11.75	11.88	11.72				
20	25QAM	50	0	11.89	12.00	11.99				
20	25QAM	50	24	11.74	11.73	11.80				
20	25QAM	50	50	11.73	11.72	11.74			12.5	0
20	25QAM	100	0	11.93	11.95	11.71				
Channel										
1867.5 1867.5 1912.5										
15	QPSK	1	0	12.07	12.05	12.12			12.5	0
15	QPSK	1	49	11.97	12.04	11.89				
15	QPSK	1	74	11.97	11.93	11.82				
15	QPSK	36	0	11.98	12.16	12.00				
15	QPSK	36	24	11.76	12.03	11.87			12.5	0
15	QPSK	36	36	11.85	11.84	11.58				
15	QPSK	75	0	12.03	11.96	11.81				
15	HQAM	1	0	12.01	11.91	11.82				
15	HQAM	1	37	11.93	12.10	11.79			12.5	0
15	HQAM	1	74	11.93	12.06	11.83				
15	HQAM	36	0	11.92	11.98	12.00				
15	HQAM	36	20	11.90	11.96	11.82				
15	HQAM	75	0	11.91	12.08	11.84			12.5	0
15	HQAM	75	0	11.91	12.08	11.84				
15	HQAM	1	0	11.89	12.15	11.91				
15	HQAM	1	37	11.87	12.10	11.79				
15	HQAM	1	74	11.85	12.04	11.81			12.5	0
15	HQAM	36	0	11.85	12.04	11.95				
15	HQAM	36	20	11.70	11.80	11.73				
15	HQAM	36	36	11.76	11.88	11.68				
15	HQAM	75	0	11.90	11.97	11.89			12.5	0
15	HQAM	75	0	12.12	12.12	12.00				
15	25QAM	1	37	11.91	11.98	11.80				
15	25QAM	1	74	11.74	11.92	11.83				
15	25QAM	36	0	12.02	11.88	11.85			12.5	0
15	25QAM	36	20	11.73	11.85	11.59				
15	25QAM	36	36	11.70	11.88	11.85				
15	25QAM	75	0	11.90	12.03	11.85				
Channel										
1865.0 1865.0 1905.0										
10	QPSK	1	0	12.09	12.11	12.01			12.5	0
10	QPSK	1	25	11.98	12.11	12.01				
10	QPSK	25	0	11.99	12.09	11.99				
10	QPSK	25	12	11.85	11.88	11.62				
10	QPSK	25	24	11.88	11.88	11.67			12.5	0
10	QPSK	50	0	12.07	12.10	11.92				
10	HQAM	1	0	12.12	11.94	12.03				
10	HQAM	25	0	12.01	12.07	11.82				
10	HQAM	1	49	11.96	12.00	11.84			12.5	0
10	HQAM	25	0	11.96	12.01	11.87				
10	HQAM	25	12	11.76	11.97	11.83				
10	HQAM	25	25	11.87	11.96	11.79				
10	HQAM	50	0	11.94	12.00	11.90			12.5	0
10	HQAM	50	0	11.93	12.08	11.84				
10	HQAM	1	0	11.93	12.08	11.84				
10	HQAM	1	25	11.84	12.10	11.73				
10	HQAM	25	0	11.92	11.87	11.83			12.5	0
10	HQAM	25	0	11.92	11.87	11.83				
10	HQAM	25	0	11.92	12.05	11.88				
10	HQAM	25	12	11.74	11.98	11.78				
10	HQAM	25	25	11.74	11.90	11.78			12.5	0
10	HQAM	50	0	11.91	11.93	11.76				
10	HQAM	50	0	12.01	12.05	11.81				
10	25QAM	1	0	12.01	12.05	11.81				
10	25QAM	1	25	11.88	12.00	11.75			12.5	0
10	25QAM	1	49	11.81	11.95	11.69				
10	25QAM	25	0	11.95	11.78	11.55				
10	25QAM	25	12	11.67	11.78	11.55				
10	25QAM	25	25	11.81	11.85	11.68			12.5	0
10	25QAM	50	0	11.90	11.96	11.80				
Channel										
1862.5 1862.5 1907.5										
5	QPSK	1	0	12.07	12.13	12.00			12.5	0
5	QPSK	1	12	11.93	12.17	11.94				
5	QPSK	1	24	12.00	12.00	12.00				
5	QPSK	12	0	11.94	12.06	11.96				
5	QPSK	12	7	11.85	11.88	11.58			12.5	0
5	QPSK	12	13	11.89	11.85	11.84				
5	QPSK	25	0	11.95	12.00	11.80				
5	HQAM	1	0	12.06	12.04	12.08				
5	HQAM	1	12	11.88	11.98	11.82			12.5	0
5	HQAM	1	24	11.99	12.04	11.84				
5	HQAM	12	0	11.93	11.91	11.50				
5	HQAM	12	7	11.80	11.99	11.86				
5	HQAM	12	13	11.85	11.97	11.75			12.5	0
5	HQAM	25	0	12.03	12.10	11.83				
5	HQAM	25	12	12.00	12.00	11.80				
5	HQAM	1	12	11.99	12.11	11.88				
5	HQAM	1	24	11.94	11.95	11.85			12.5	0
5	HQAM	12	0	11.96	12.08	11.78				
5	HQAM	12	7	11.77	11.95	11.78				
5	HQAM	12	13	11.89	11.81	11.72				
5	HQAM	25	0	11.93	11.89	11.69			12.5	0
5	HQAM	25	0	11.93	11.89	11.69				
5	HQAM	25	12	11.74	11.80	11.68				
5	HQAM	25	13	11.83	11.82	11.63				
5	25QAM	1	0	11.99	12.00	11.80			12.5	0
5	25QAM	1	12	11.87	12.01	11.80				
5	25QAM	12	0	11.90	11.97	11.75				
5	25QAM	12	7	11.74	11.77	11.74				
5	25QAM	1	8	11.97	12.00	11.80			12.5	0
5	25QAM	1	12	11.87	11.97	11.74				
5	25QAM	12	0	11.90	11.94	11.72				
5	25QAM	12	7	11.74	11.75	11.62				
5	25QAM	1	8	11.81	11.78	11.69			12.5	0
5	25QAM	1	12	11.75	11.71	11.60				
5	25QAM	12	13	11.74	11.77	11.61				
5	25QAM	25	0	11.99	12.05	11.73			12.5	0
5	25QAM	25	0	11.99	12.05	11.73				
5	25QAM	25	12	11.74	11.75	11.62				
Channel										
1861.5 1861.5 1906.5										
3	QPSK	1	0	12.10	12.17	12.12			12.5	0
3	QPSK	1	8	11.92	12.16	12.07				
3	QPSK	1	14	11.93	11.99	11.92				
3	QPSK	1	18	11.94	12.00	11.90				
3	QPSK	8	0	11.79	12.02	11.90			12.5	0
3	QPSK	8	4	11.78	12.02	11.82				
3	QPSK	8	8	11.81	11.98	11.88				
3	HQAM	1	0	12.03	12.02	12.03				
3	HQAM	8	0	12.02	12.08	11.91			12.5	0
3	HQAM	8	4	11.99	12.02	11.88				
3	HQAM	8	4	11.84	11.94	11.79				
3	HQAM	15	0	11.98	12.02	11.90				
3	HQAM	15	0	11.86	12.02	11.91			12.5	0
3	HQAM	15	8	11.88	12.02	11.91				
3	HQAM	8	4	11.78	12.08	11.75				
3	HQAM	1	14	11.93	11.97	11.83				
3	HQAM	8	4	11.77	11.88	11.72			12.5	0
3	HQAM	8	4	11.77	11.88	11.72				
3	HQAM	8	4	11.77	11.88	11.72				
3	25QAM	1	0	12.04	12.01	12.00				
3	25QAM	1	8	11.87	12.00	11.80			12.5	0
3	25QAM	1	14	11.91	11.98	11.91				
3	25QAM	8	0	12.01	12.02	11.96				
3	25QAM	8	0	12.01	12.02	11.96				
3	25QAM	8	4	11.91	11.98	11.88			12.5	0
3	25QAM	8	4	11.91	11.98	11.88				
3	25QAM	8	8	11.94	11.79	11.63				
3	25QAM	15	0	11.88	11.97	11.84				



Band 25 Ant2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up Init (dBm)	MPR (dB)		
Channel											
1880 1880 1905											
20	QPSK	1	0	12.17	12.18	12.18					
20	QPSK	1	49	12.05	12.18	12.05	12.5	0			
20	QPSK	1	99	12.02	12.07	12.05					
20	QPSK	80	0	12.03	12.08	12.03					
20	QPSK	80	24	11.91	12.03	12.00	12.5	0			
20	QPSK	50	50	11.98	11.98	11.98					
20	16QAM	1	0	12.06	12.03	12.06					
20	16QAM	1	49	12.03	12.08	11.96	12.5	0			
20	16QAM	1	99	12.02	12.06	11.91					
20	16QAM	50	0	12.03	12.05	12.09					
20	16QAM	50	24	11.99	12.02	11.96	12.5	0			
20	16QAM	50	50	11.91	11.96	11.90					
20	16QAM	100	0	12.03	12.10	11.92					
20	64QAM	1	0	12.03	12.15	12.02					
20	64QAM	1	49	11.93	12.01	11.91	12.5	0			
20	64QAM	1	99	11.90	11.94	11.85					
20	64QAM	50	0	11.96	12.14	12.01					
20	64QAM	50	24	11.84	12.01	11.85	12.5	0			
20	64QAM	50	50	11.83	11.89	11.82					
20	64QAM	100	0	12.05	11.98	11.83					
20	256QAM	1	0	12.11	12.11	12.04	12.5	0			
20	256QAM	1	49	12.03	12.08	11.85					
20	256QAM	1	99	11.87	11.87	11.85					
20	256QAM	50	0	12.01	12.02	12.04					
20	256QAM	50	24	11.79	11.87	11.82	12.5	0			
20	256QAM	50	50	11.53	11.87	11.87					
20	256QAM	100	0	11.99	12.08	11.84					
Channel											
2015 2040 2040											
15	QPSK	1	0	12.17	12.06	12.06					
15	QPSK	1	37	11.91	12.03	11.96	12.5	0			
15	QPSK	1	74	11.96	12.11	11.86					
15	QPSK	36	0	11.98	12.13	12.07					
15	QPSK	36	20	11.83	11.96	11.89	12.5	0			
15	QPSK	36	36	11.99	11.91	11.95					
15	16QAM	1	0	12.05	12.02	11.86					
15	16QAM	1	37	11.93	12.09	11.86	12.5	0			
15	16QAM	1	74	11.96	12.04	11.86					
15	16QAM	36	0	11.99	12.03	12.00					
15	16QAM	36	20	11.82	11.88	11.79	12.5	0			
15	16QAM	36	36	11.86	11.86	11.86					
15	16QAM	75	0	12.00	12.02	11.83					
15	64QAM	1	0	11.89	12.09	11.86					
15	64QAM	1	37	11.88	12.04	11.79	12.5	0			
15	64QAM	1	74	11.84	11.93	11.77					
15	64QAM	36	0	11.86	12.10	11.91					
15	64QAM	36	20	11.72	11.88	11.75	12.5	0			
15	64QAM	36	36	11.82	11.85	11.72					
15	64QAM	75	0	12.05	11.93	11.73					
15	256QAM	1	0	12.07	12.08	11.86					
15	256QAM	1	37	11.96	12.04	11.81	12.5	0			
15	256QAM	1	74	11.76	11.85	11.64					
15	256QAM	36	0	11.87	11.95	11.83					
15	256QAM	36	20	12.05	11.95	12.04	12.5	0			
15	256QAM	36	36	11.86	11.86	11.86					
15	256QAM	75	0	11.88	11.89	11.89					
Channel											
2050 2050 2050											
10	QPSK	1	0	12.07	12.18	12.04					
10	QPSK	1	25	11.96	12.11	11.85	12.5	0			
10	QPSK	1	49	11.84	12.02	11.85					
10	QPSK	25	0	11.97	12.12	12.05					
10	QPSK	25	12	11.90	11.94	11.89	12.5	0			
10	QPSK	25	24	11.87	11.93	11.84					
10	QPSK	50	0	12.06	11.96	11.87					
10	16QAM	1	0	12.08	12.03	12.05					
10	16QAM	1	25	11.97	11.94	11.91	12.5	0			
10	16QAM	1	49	11.83	12.01	11.84					
10	16QAM	25	0	11.88	11.99	11.86					
10	16QAM	25	12	11.89	11.92	11.79	12.5	0			
10	16QAM	25	24	11.79	11.94	11.76					
10	16QAM	50	0	12.01	12.08	11.95					
10	64QAM	1	0	11.89	12.07	11.89					
10	64QAM	1	25	11.91	12.08	11.79	12.5	0			
10	64QAM	1	49	11.83	12.01	11.84					
10	64QAM	25	0	11.89	12.10	11.80					
10	64QAM	25	12	11.72	11.87	11.83	12.5	0			
10	64QAM	25	24	11.77	11.83	11.81					
10	64QAM	50	0	12.05	11.96	11.73					
10	256QAM	1	0	12.11	12.10	11.81	12.5	0			
10	256QAM	1	25	12.00	12.03	11.83					
10	256QAM	1	49	11.87	11.84	11.71					
10	256QAM	25	0	11.94	11.86	11.86					
10	256QAM	25	12	12.11	12.02	12.03	12.5	0			
10	256QAM	25	24	11.81	12.03	11.85					
10	256QAM	50	0	11.86	11.96	11.85					
Channel											
2055 2050 2055											
5	QPSK	1	0	12.01	12.09	12.02					
5	QPSK	1	12	12.02	12.14	11.97	12.5	0			
5	QPSK	1	24	11.96	11.85	11.85					
5	QPSK	12	0	11.93	12.08	11.93					
5	QPSK	12	7	11.80	11.95	12.01	12.5	0			
5	QPSK	12	13	11.86	11.91	11.85					
5	QPSK	25	0	11.98	11.99	11.89					
5	16QAM	1	0	12.03	12.05	12.11					
5	16QAM	1	12	11.98	11.97	11.85	12.5	0			
5	16QAM	1	24	11.96	12.01	11.82					
5	16QAM	12	0	11.93	12.06	11.98					
5	16QAM	12	7	11.81	11.94	11.82	12.5	0			
5	16QAM	12	13	11.79	11.81	11.82					
5	16QAM	25	0	12.03	12.09	11.82					
5	64QAM	1	0	11.97	12.05	11.94					
5	64QAM	1	12	11.95	11.97	11.79	12.5	0			
5	64QAM	1	24	11.91	11.94	11.88					
5	64QAM	12	0	11.96	12.13	11.87					
5	64QAM	12	7	11.82	11.91	11.77	12.5	0			
5	64QAM	12	13	11.72	11.90	11.73					
5	64QAM	25	0	11.96	11.99	11.71					
5	256QAM	1	0	11.96	12.07	11.98	12.5	0			
5	256QAM	1	12	11.99	12.06	11.89					
5	256QAM	1	24	11.76	11.86	11.79					
5	256QAM	12	0	11.91	11.96	11.84					
5	256QAM	12	7	12.16	11.95	12.02	12.5	0			
5	256QAM	12	13	11.79	11.89	11.97					
5	256QAM	25	0	11.84	11.87	11.83					
Channel											
2055 2050 2055											
3	QPSK	1	0	12.16	12.11	12.11					
3	QPSK	1	8	12.05	12.12	12.08	12.5	0			
3	QPSK	1	14	12.00	11.94	11.94					
3	QPSK	8	0	11.98	12.17	12.06					
3	QPSK	8	4	11.77	11.92	11.92	12.5	0			
3	QPSK	8	7	11.83	11.87	11.69					
3	QPSK	15	0	11.94	12.04	11.93					
3	16QAM	1	0	12.08	11.99	12.03					
3	16QAM	1	8	11.88	12.05	11.89	12.5	0			
3	16QAM	1	14	12.01	11.94	11.76					
3	16QAM	8	0	12.02	11.94	12.09					
3	16QAM	8	4	11.79	11.90	11.80	12.5	0			
3	16QAM	8	7	11.84	11.86	11.69					
3	16QAM	15	0	11.90	11.95	11.84					
3	64QAM	1	0	11.98	12.08	11.91					
3	64QAM	8	0	11.93	12.09	11.85	12.5	0			
3	64QAM	1	14	11.94	11.89	11.82					
3	64QAM	8	4	11.74	11.86	11.74	12.5	0			
3	64QAM	8	7	11.72	11.80	11.70					
3	64QAM	15	0	11.92	11.98	11.89					
3	256QAM	1	0	12.07	12.09	11.91					
3	256QAM	1	8	11.93	11.96	11.86	12.5	0			
3	256QAM	1	14	11.88	11.84	11.74					
3	256QAM	8	0	11.94	12.04	11.93					
3	256QAM	8	4	11.72	11.82	11.72	12.5	0			
3	256QAM	8	7	11.91	11.94	11.94					
3	256QAM	15	0	11.88	11.86	11.78					
Channel											
1880 7 1880 1913.5											
1.4	QPSK	1	0	12.18	12.18	12.18					
1.4	QPSK	1	8	12.05	12.18	12.05	12.5	0			
1.4	QPSK	1	5	11.92	12.02	11.85					
1.4	QPSK	3	0	11.98	12.04	12.03					
1.4	QPSK	3	8	11.86	12.06	11.86	12.5	0			

Band 38 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	10.77	10.87	10.64	11.5	0	
20	QPSK	1	49	10.70	10.75	10.71			
20	QPSK	1	99	10.63	10.75	10.69			
20	QPSK	50	0	10.62	10.82	10.58	11.5	0	
20	QPSK	50	24	10.78	10.70	10.52			
20	QPSK	50	50	10.62	10.68	10.63			
20	QPSK	100	0	10.70	10.71	10.52	11.5	0	
20	16QAM	1	0	10.73	10.74	10.75			
20	16QAM	1	49	10.66	10.72	10.47			
20	16QAM	1	99	10.61	10.73	10.64	11.5	0	
20	16QAM	50	0	10.46	10.73	10.44			
20	16QAM	50	24	10.51	10.60	10.53			
20	16QAM	50	50	10.51	10.67	10.46	11.5	0	
20	16QAM	100	0	10.54	10.76	10.38			
20	64QAM	1	0	10.56	10.70	10.64			
20	64QAM	1	49	10.66	10.74	10.51	11.5	0	
20	64QAM	1	99	10.46	10.70	10.63			
20	64QAM	50	0	10.49	10.79	10.52			
20	64QAM	50	24	10.51	10.70	10.56	11.5	0	
20	64QAM	50	50	10.48	10.75	10.46			
20	64QAM	100	0	10.60	10.54	10.57			
20	256QAM	1	0	10.63	10.75	10.60	11.5	0	
20	256QAM	1	49	10.58	10.73	10.43			
20	256QAM	1	99	10.45	10.73	10.52			
20	256QAM	50	0	10.45	10.77	10.51	11.5	0	
20	256QAM	50	24	10.64	10.62	10.52			
20	256QAM	50	50	10.57	10.76	10.51			
20	256QAM	100	0	10.69	10.67	10.48	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	10.64	10.80	10.59			
15	QPSK	1	37	10.62	10.72	10.59	11.5	0	
15	QPSK	1	74	10.60	10.62	10.61			
15	QPSK	36	0	10.53	10.76	10.52			
15	QPSK	36	20	10.72	10.55	10.40	11.5	0	
15	QPSK	36	39	10.60	10.56	10.51			
15	QPSK	75	0	10.54	10.63	10.47			
15	16QAM	1	0	10.63	10.62	10.59	11.5	0	
15	16QAM	1	37	10.52	10.71	10.38			
15	16QAM	1	74	10.60	10.65	10.60			
15	16QAM	36	0	10.39	10.70	10.28	11.5	0	
15	16QAM	36	20	10.37	10.51	10.51			
15	16QAM	36	39	10.42	10.63	10.31			
15	16QAM	75	0	10.46	10.67	10.26	11.5	0	
15	64QAM	1	0	10.42	10.62	10.56			
15	64QAM	1	37	10.57	10.70	10.44			
15	64QAM	1	74	10.40	10.58	10.57	11.5	0	
15	64QAM	36	0	10.47	10.67	10.44			
15	64QAM	36	20	10.42	10.66	10.50			
15	64QAM	36	39	10.35	10.64	10.44	11.5	0	
15	64QAM	75	0	10.56	10.53	10.53			
15	256QAM	1	0	10.56	10.64	10.45			
15	256QAM	1	37	10.55	10.68	10.36	11.5	0	
15	256QAM	1	74	10.45	10.62	10.52			
15	256QAM	36	0	10.40	10.71	10.36			
15	256QAM	36	20	10.49	10.53	10.42	11.5	0	
15	256QAM	36	39	10.56	10.70	10.44			
15	256QAM	75	0	10.56	10.61	10.37	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	10.62	10.80	10.58			
10	QPSK	1	25	10.64	10.73	10.68	11.5	0	
10	QPSK	1	49	10.57	10.66	10.63			
10	QPSK	25	0	10.55	10.74	10.47			
10	QPSK	25	12	10.77	10.69	10.42	11.5	0	
10	QPSK	25	25	10.47	10.65	10.59			
10	QPSK	50	0	10.59	10.60	10.44			
10	16QAM	1	0	10.61	10.60	10.70	11.5	0	
10	16QAM	1	25	10.57	10.69	10.39			
10	16QAM	1	49	10.51	10.69	10.52			
10	16QAM	25	0	10.44	10.69	10.35	11.5	0	
10	16QAM	25	12	10.40	10.60	10.51			
10	16QAM	25	25	10.48	10.60	10.41			
10	16QAM	50	0	10.48	10.64	10.30	11.5	0	
10	64QAM	1	0	10.51	10.68	10.56			
10	64QAM	1	25	10.56	10.60	10.40			
10	64QAM	1	49	10.45	10.62	10.59	11.5	0	
10	64QAM	25	0	10.45	10.75	10.43			
10	64QAM	25	12	10.48	10.68	10.49			
10	64QAM	25	25	10.36	10.66	10.37	11.5	0	
10	64QAM	50	0	10.58	10.39	10.47			
10	256QAM	1	0	10.59	10.73	10.59			
10	256QAM	1	25	10.47	10.70	10.34	11.5	0	
10	256QAM	1	49	10.44	10.72	10.37			
10	256QAM	25	0	10.44	10.63	10.49			
10	256QAM	25	12	10.60	10.46	10.46	11.5	0	
10	256QAM	25	25	10.51	10.64	10.40			
10	256QAM	50	0	10.60	10.52	10.48			
Channel				3777.5	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	10.75	10.75	10.52	11.5	0	
5	QPSK	1	12	10.60	10.62	10.67			
5	QPSK	1	24	10.62	10.73	10.54			
5	QPSK	12	0	10.51	10.67	10.48	11.5	0	
5	QPSK	12	7	10.71	10.63	10.44			
5	QPSK	12	13	10.56	10.64	10.52			
5	QPSK	25	0	10.61	10.58	10.47	11.5	0	
5	16QAM	1	0	10.60	10.58	10.69			
5	16QAM	1	12	10.59	10.67	10.40			
5	16QAM	1	24	10.55	10.64	10.53	11.5	0	
5	16QAM	12	0	10.41	10.67	10.34			
5	16QAM	12	7	10.51	10.51	10.45			
5	16QAM	12	13	10.48	10.63	10.38	11.5	0	
5	16QAM	25	0	10.48	10.70	10.28			
5	64QAM	1	0	10.53	10.64	10.49			
5	64QAM	1	12	10.60	10.65	10.48	11.5	0	
5	64QAM	1	24	10.40	10.69	10.54			
5	64QAM	12	0	10.39	10.66	10.39			
5	64QAM	12	7	10.44	10.61	10.51	11.5	0	
5	64QAM	12	13	10.38	10.72	10.35			
5	64QAM	25	0	10.52	10.44	10.51			
5	256QAM	1	0	10.61	10.74	10.52	11.5	0	
5	256QAM	1	12	10.53	10.60	10.40			
5	256QAM	1	24	10.31	10.70	10.49			
5	256QAM	12	0	10.33	10.76	10.47	11.5	0	
5	256QAM	12	7	10.57	10.52	10.46			
5	256QAM	12	13	10.51	10.62	10.49			
5	256QAM	25	0	10.69	10.67	10.33			

Band 41 Ant2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2905	2549.5	2593	2636.5	2680			
20	QPSK	1	0	10.85	10.82	10.90	10.79	10.76	11.5	0	
20	QPSK	1	49	10.70	10.80	10.86	10.72	10.68			
20	QPSK	1	99	10.72	10.72	10.87	10.72	10.69			
20	QPSK	50	0	10.71	10.74	10.89	10.65	10.69			
20	QPSK	50	24	10.68	10.78	10.79	10.67	10.61	11.5	0	
20	QPSK	50	50	10.60	10.71	10.84	10.70	10.68			
20	QPSK	100	0	10.76	10.75	10.79	10.63	10.64			
20	16QAM	1	0	10.83	10.79	10.80	10.77	10.67			
20	16QAM	1	49	10.54	10.68	10.78	10.58	10.62	11.5	0	
20	16QAM	1	99	10.59	10.64	10.75	10.65	10.63			
20	16QAM	50	0	10.64	10.62	10.86	10.49	10.54			
20	16QAM	50	24	10.64	10.67	10.72	10.62	10.48			
20	16QAM	50	50	10.59	10.58	10.70	10.60	10.67	11.5	0	
20	16QAM	100	0	10.73	10.61	10.77	10.52	10.60			
20	64QAM	1	0	10.81	10.71	10.79	10.73	10.63			
20	64QAM	1	49	10.86	10.79	10.84	10.59	10.56			
20	64QAM	1	99	10.66	10.57	10.76	10.68	10.54	11.5	0	
20	64QAM	50	0	10.57	10.61	10.81	10.65	10.54			
20	64QAM	50	24	10.61	10.63	10.74	10.62	10.57			
20	64QAM	50	50	10.51	10.64	10.81	10.54	10.62			
20	64QAM	100	0	10.70	10.61	10.68	10.58	10.59	11.5	0	
20	256QAM	1	0	10.71	10.69	10.80	10.74	10.67			
20	256QAM	1	49	10.66	10.71	10.82	10.59	10.53			
20	256QAM	1	99	10.59	10.57	10.80	10.59	10.54			
20	256QAM	50	0	10.60	10.61	10.84	10.54	10.62	11.5	0	
20	256QAM	50	24	10.62	10.73	10.73	10.62	10.56			
20	256QAM	50	50	10.55	10.69	10.82	10.66	10.63			
20	256QAM	100	0	10.65	10.74	10.76	10.51	10.60			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	10.74	10.75	10.78	10.72	10.71	12	0	
15	QPSK	1	37	10.66	10.70	10.74	10.67	10.80			
15	QPSK	1	74	10.67	10.70	10.85	10.60	10.58			
15	QPSK	36	0	10.69	10.60	10.74	10.65	10.58			
15	QPSK	36	20	10.56	10.73	10.68	10.67	10.49	11.5	0	
15	QPSK	36	39	10.58	10.66	10.83	10.59	10.57			
15	QPSK	75	0	10.72	10.72	10.63	10.54	10.62			
15	16QAM	1	0	10.75	10.74	10.86	10.71	10.62			
15	16QAM	1	37	10.40	10.53	10.68	10.58	10.50	11.5	0	
15	16QAM	1	74	10.47	10.59	10.62	10.63	10.49			
15	16QAM	36	0	10.56	10.55	10.77	10.44	10.46			
15	16QAM	36	20	10.61	10.63	10.64	10.62	10.44			
15	16QAM	36	39	10.59	10.44	10.60	10.46	10.55	11.5	0	
15	16QAM	75	0	10.67	10.48	10.76	10.48	10.47			
15	64QAM	1	0	10.69	10.66	10.72	10.64	10.52			
15	64QAM	1	37	10.51	10.72	10.79	10.46	10.52			
15	64QAM	1	74	10.56	10.48	10.68	10.61	10.43	11.5	0	
15	64QAM	36	0	10.52	10.54	10.71	10.49	10.48			
15	64QAM	36	20	10.47	10.58	10.60	10.62	10.56			
15	64QAM	36	39	10.46	10.63	10.75	10.48	10.61			
15	64QAM	75	0	10.58	10.60	10.56	10.51	10.56	11.5	0	
15	256QAM	1	0	10.67	10.57	10.72	10.60	10.56			
15	256QAM	1	37	10.50	10.70	10.74	10.54	10.38			
15	256QAM	1	74	10.52	10.54	10.66	10.45	10.44			
15	256QAM	36	0	10.51	10.57	10.76	10.41	10.56	11.5	0	
15	256QAM	36	20	10.50	10.61	10.61	10.59	10.43			
15	256QAM	36	39	10.46	10.54	10.71	10.56	10.83			
15	256QAM	75	0	10.54	10.48	10.79	10.38	10.48			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	10.70	10.81	10.84	10.63	10.65	11.50	0	
10	QPSK	1	25	10.55	10.73	10.73	10.62	10.60			
10	QPSK	1	49	10.69	10.71	10.86	10.60	10.56			
10	QPSK	25	0	10.57	10.64	10.77	10.64	10.58			
10	QPSK	25	12	10.68	10.63	10.75	10.52	10.49	11.5	0	
10	QPSK	25	25	10.53	10.63	10.71	10.63	10.58			
10	QPSK	50	0	10.67	10.74	10.70	10.60	10.49			
10	16QAM	1	0	10.80	10.74	10.86	10.75	10.66			
10	16QAM	1	25	10.44	10.65	10.65	10.57	10.48	11.5	0	
10	16QAM	1	49	10.44	10.54	10.71	10.54	10.52			
10	16QAM	25	0	10.58	10.50	10.73	10.46	10.48			
10	16QAM	25	12	10.62	10.66	10.61	10.52	10.35			
10	16QAM	25	25	10.48	10.52	10.66	10.53	10.65	11.5	0	
10	16QAM	50	0	10.58	10.56	10.77	10.42	10.47			
10	64QAM	1	0	10.80	10.67	10.75	10.71	10.57			
10	64QAM	1	25	10.64	10.71	10.77	10.46	10.41			
10	64QAM	1	49	10.60	10.51	10.72	10.68	10.52	11.5	0	
10	64QAM	25	0	10.44	10.52	10.66	10.58	10.48			
10	64QAM	25	12	10.60	10.54	10.71	10.51	10.52			
10	64QAM	25	25	10.51	10.63	10.68	10.49	10.51			
10	64QAM	50	0	10.62	10.60	10.62	10.46	10.45	11.5	0	
10	256QAM	1	0	10.63	10.65	10.65	10.61	10.64			
10	256QAM	1	25	10.57	10.66	10.80	10.45	10.43			
10	256QAM	1	49	10.51	10.44	10.79	10.48	10.51			
10	256QAM	25	0	10.52	10.51	10.81	10.46	10.60	11.5	0	
10	256QAM	25	12	10.55	10.67	10.63	10.46	10.46			
10	256QAM	25	25	10.44	10.61	10.81	10.60	10.57			
10	256QAM	50	0	10.52	10.47	10.85	10.39	10.38			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2493.5	2541.8	2593	2640.3	2693.7			
5	QPSK	1	0	10.79	10.76	10.87	10.70	10.67	11.50	0	
5	QPSK	1	12	10.59	10.67	10.83	10.68	10.67			
5	QPSK	1	24	10.67	10.70	10.76	10.61	10.64			
5	QPSK	12	0	10.58	10.66	10.75	10.51	10.54			
5	QPSK	12	7	10.57	10.77	10.77	10.64	10.59	11.5	0	
5	QPSK	12	13	10.53	10.56	10.76	10.56	10.61			
5	QPSK	25	0	10.68	10.75	10.64	10.51	10.60			
5	16QAM	1	0	10.72	10.72	10.82	10.65	10.60			
5	16QAM	1	12	10.43	10.58	10.77	10.58	10.54	11.5	0	
5	16QAM	1	24	10.47	10.54	10.72	10.56	10.58			
5	16QAM	12	0	10.55	10.49	10.80	10.37	10.39			
5	16QAM	12	7	10.55	10.58	10.56	10.53	10.37			
5	16QAM	12	13	10.45	10.46	10.61	10.50	10.61	11.5	0	
5	16QAM	25	0	10.70	10.55	10.75	10.48	10.53			
5	64QAM	1	0	10.66	10.71	10.69	10.70	10.55			
5	64QAM	1	12	10.57	10.66	10.78	10.51	10.54			
5	64QAM	1	24	10.54	10.44	10.61	10.57	10.45	11.5	0	
5	64QAM	12	0	10.56	10.53	10.76	10.62	10.46			
5	64QAM	12	7	10.46	10.57	10.60	10.54	10.47			
5	64QAM	12	13	10.48	10.56	10.77	10.50	10.57			
5	64QAM	25	0	10.61	10.61	10.56	10.53	10.43	11.5	0	
5	256QAM	1	0	10.62	10.63	10.68	10.61	10.54			
5	256QAM	1	12	10.66	10.65	10.75	10.53	10.48			
5	256QAM	1	24	10.43	10.50	10.70	10.50	10.39			
5	256QAM	12	0	10.45	10.49	10.80	10.48	10.50	11.5	0	
5	256QAM	12	7	10.54	10.71	10.72	10.47	10.46			
5	256QAM	12	13	10.55	10.62	10.68	10.58	10.58			
5	256QAM	25	0	10.58	10.62	10.77	10.37	10.45			

DL CA Power

2CA DL

CA List	PCC										SCC					Power	
	LTE	BW	BW	UL	UL		UL#	UL	DL Antenna	Configuratio n	LTE	BW	DL	DL	DL Antenna	With CA	Without CA
	Band	Ant	(MHz)	Freq	Channel	Mod.	RB	RB	Offset		Band	(MHz)	Freq	Channel	Configuratio n	Tx. Power	Tx. Power
				(MHz)									(MHz)			(dBm)	(dBm)
CA_2C	Band 2	Ant 2	20M	1889	18900	QPSK	1	0			Band 2	20M	1980	1098		23.34	23.41
CA_2A-5A	Band 2	Ant 2	20M	1889	18900	QPSK	1	0			Band 5	10M	881.5	2525		23.31	23.41
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0			Band 2	20M	1980	900		23.90	23.94
CA_4A-5A	Band 4	Ant 2	20M	1732.5	20175	QPSK	1	0			Band 5	10M	881.5	2525		23.34	23.49
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0			Band 4	20M	2133	2175		23.88	23.94
CA_4A-7A	Band 4	Ant 2	20M	1732.5	20175	QPSK	1	0			Band 7	20M	2655	3100	4x4MIMO	23.26	23.49
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO		Band 4	20M	2133	2175		23.98	24.03
CA_5A-7A	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0			Band 7	20M	2655	3100	4x4MIMO	23.89	23.94
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO		Band 5	10M	881.5	2525		23.91	24.03
CA_5A-41A	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0			Band 41	20M	2593	40620		23.87	23.94
CA_7C	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO		Band 7	20M	2555	3298	4x4MIMO	23.97	24.03
CA_7A-7A	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO		Band 7	5M	2688	3425	4x4MIMO	23.96	24.03
CA_7A-26A	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO		Band 26	15M	876.5	8865		24.01	24.03
Band 26	Ant 1	15M	831.5	26865	QPSK	1	0				Band 7	20M	2655	3100	4x4MIMO	23.94	24.10
CA_7A-42A	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO		Band 42	20M	3500	42590	4x4MIMO	23.96	24.03
CA_26A-41A	Band 26	Ant 1	15M	831.5	26865	QPSK	1	0			Band 41	20M	2593	40620	4x4MIMO	23.89	24.10
CA_38C	Band 38	Ant 2	20M	2580	37850	QPSK	1	0	4x4MIMO		Band 38	20M	2600	38048	4x4MIMO	24.04	24.11
CA_41A-42A	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4x4MIMO		Band 42	20M	3500	42590	4x4MIMO	24.17	24.20
	Band 42	Ant 3	20M	3500	42590	QPSK	1	0	4x4MIMO		Band 41	20M	2593	40620	4x4MIMO	23.96	23.44
CA_42C	Band 42	Ant 3	20M	3500	42590	QPSK	1	0	4x4MIMO		Band 42	20M	3520	42786	4x4MIMO	23.34	23.44
CA_66B	Band 66	Ant 2	15M	1745	132322	QPSK	1	0			Band 66	5M	2164	68979		23.46	23.53
CA_66C	Band 66	Ant 2	20M	1745	132322	QPSK	1	0			Band 66	20M	2175	67084		23.41	23.53

3CA DL

3CA List	PCC								SCC1				SCC2				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	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_2A-4A-7A	Band 2	Ant12	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175		Band 7	20M	2655	3100	4x4MIMO	23.34	23.41	
	Band 4	Ant12	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1990	900		23.42	23.49	
	Band 7	Ant12	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1990	900		Band 4	20M	2132.5	2175		23.97	24.03
CA_2A-7A-7A	Band 2	Ant12	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.37	23.41	
	Band 7	Ant12	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1990	900		23.95	24.03
	Band 2	Ant12	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	4x4MIMO	Band 66	20M	2155	66886		23.28	23.41	
CA_2A-7A-66A	Band 2	Ant12	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1990	900		Band 66	20M	2155	66886		23.96	24.03
	Band 7	Ant12	20M	2535	21100	QPSK	1	0		Band 2	20M	1990	900		Band 7	20M	2655	3100	4x4MIMO	23.36	23.53
	Band 66	Ant12	20M	1745	132322	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.26	23.49
CA_4A-7C	Band 4	Ant12	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.26	23.49	
	Band 7	Ant12	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175		23.84	24.03
	Band 4	Ant12	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.33	23.53	
CA_4A-7A-7A	Band 4	Ant12	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 4	20M	2132.5	2175		23.89	24.03
	Band 7	Ant12	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	4x4MIMO	Band 4	20M	2132.5	2175		23.96	23.94	
	Band 5	Ant11	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		23.96	24.03
CA_5A-7C	Band 5	Ant11	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.86	23.94	
	Band 7	Ant12	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		23.96	24.03
	Band 5	Ant11	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886		Band 66	5M	2107.5	67311		23.93	23.94
CA_5A-66A-66A	Band 66	Ant12	20M	1745	132322	QPSK	1	0	Band 66	5M	2107.5	67311		Band 5	10M	881.5	2525		23.93	23.53	
	Band 7	Ant12	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886		Band 66	5M	2107.5	67311		23.92	24.03
	Band 66	Ant12	20M	1745	132322	QPSK	1	0		Band 66	5M	2107.5	67311		Band 7	20M	2655	3100	4x4MIMO	23.44	23.53
CA_41D	Band 41	Ant12	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	24.12	24.20
	CA_41A-41A-41A	Band 41	Ant12	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2506	39750	4x4MIMO	24.15

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-41C	Band 41	Ant 2	20M	2506	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO	24.03	24.20
CA_41E	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	24.16	24.20
CA_41A-41D	Band 41	Ant 2	20M	2506	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2640.4	41094	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO	23.98	24.20
CA_41A-41A-41C	Band 41	Ant 2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	SM	2687.5	41565	4x4MIMO	Band 41	20M	2506	39750	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	24.13	24.20

Full Power

n5 Ant1 Default								
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				166800	167300	167800	25.0	0.0
Frequency (MHz)				834	836.5	839		
20	Pl/2 BPSK	1	1	23.42	23.50	23.36	25.0	0.0
20	Pl/2 BPSK	1	53	23.24	23.39	23.24		
20	Pl/2 BPSK	1	104	23.16	23.18	23.03		
20	Pl/2 BPSK	50	0	23.29	23.37	23.29	25.0	0.0
20	Pl/2 BPSK	50	28	23.25	23.29	23.26	25.0	0.0
20	Pl/2 BPSK	50	56	23.17	23.22	23.13	25.0	0.0
20	Pl/2 BPSK	100	0	23.17	23.33	23.23		
20	QPSK	1	1	23.43	23.54	23.40	25.0	0.0
20	QPSK	1	53	23.33	23.48	23.44		
20	QPSK	1	104	23.16	23.27	23.17		
20	QPSK	50	0	23.27	23.36	23.25	25.0	0.0
20	QPSK	50	28	23.24	23.39	23.34	25.0	0.0
20	QPSK	50	56	23.21	23.25	23.22	25.0	0.0
20	QPSK	100	0	23.19	23.30	23.20		
20	16QAM	1	1	23.40	23.51	23.48	25.0	0.0
20	64QAM	1	1	22.03	22.17	22.11	23.5	1.5
20	256QAM	1	1	20.00	20.08	19.94	21.5	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.0	0.0
15	QPSK	1	1	23.30	23.43	23.35	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	25.0	0.0
10	QPSK	1	1	23.39	23.45	23.29	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	25.0	0.0
5	QPSK	1	1	23.33	23.42	23.37	25.0	0.0

n71 Ant1 Default								
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				134600	136100	137600	25.0	0.0
Frequency (MHz)				673	680.5	688		
20	Pl/2 BPSK	1	1	23.25	23.41	23.36	25.0	0.0
20	Pl/2 BPSK	1	53	23.29	23.32	23.21		
20	Pl/2 BPSK	1	104	23.20	23.35	23.21		
20	Pl/2 BPSK	50	0	23.30	23.38	23.28	25.0	0.0
20	Pl/2 BPSK	50	28	23.21	23.30	23.24	25.0	0.0
20	Pl/2 BPSK	50	56	23.28	23.11	23.21	25.0	0.0
20	Pl/2 BPSK	100	0	23.31	23.34	23.31		
20	QPSK	1	1	23.36	23.46	23.43	25.0	0.0
20	QPSK	1	53	23.20	23.35	23.33		
20	QPSK	1	104	23.13	23.28	23.19		
20	QPSK	50	0	23.21	23.31	23.16	25.0	0.0
20	QPSK	50	28	23.31	23.34	23.31	25.0	0.0
20	QPSK	50	56	23.14	23.28	23.19	25.0	0.0
20	QPSK	100	0	23.27	23.37	23.24		
20	16QAM	1	1	23.39	23.42	23.37	25.0	0.0
20	64QAM	1	1	22.05	22.10	22.06	23.5	1.5
20	256QAM	1	1	19.94	19.97	19.82	21.5	3.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5	25.0	0.0
15	QPSK	1	1	23.20	23.33	23.39	25.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693	25.0	0.0
10	QPSK	1	1	23.31	23.30	23.41	25.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5	25.0	0.0
5	QPSK	1	1	23.24	23.36	23.27	25.0	0.0

n7 Ant2 Default									
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				504000	507000	510000	25.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	23.22	23.26	23.15	25.0	0.0	
40	PI/2 BPSK	1	108	23.36	23.38	23.34			
40	PI/2 BPSK	1	214	23.25	23.34	23.29			
40	PI/2 BPSK	108	0	23.19	23.21	23.10			
40	PI/2 BPSK	108	54	23.31	23.41	23.28	25.0	0.0	
40	PI/2 BPSK	108	108	23.30	23.40	23.24	25.0	0.0	
40	PI/2 BPSK	216	0	23.20	23.36	23.29			
40	QPSK	1	1	23.37	23.44	23.31	25.0	0.0	
40	QPSK	1	108	23.25	23.41	23.29			
40	QPSK	1	214	23.20	23.35	23.27			
40	QPSK	108	0	23.20	23.32	23.18		25.0	
40	QPSK	108	54	23.34	23.39	23.28	25.0	0.0	
40	QPSK	108	108	23.32	23.36	23.22	25.0	0.0	
40	QPSK	216	0	23.28	23.30	23.16			
40	16QAM	1	1	23.18	23.33	23.23	25.0	0.0	
40	64QAM	1	1	21.75	21.91	21.82	23.5	1.5	
40	256QAM	1	1	19.70	19.84	19.81	21.5	3.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	25.0	0.0	
30	QPSK	1	1	23.20	23.41	23.20	25.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	25.0	0.0	
25	QPSK	1	1	23.20	23.37	23.25	25.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	25.0	0.0	
20	PI/2 BPSK	1	1	23.24	23.41	23.20	25.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	25.0	0.0	
15	QPSK	1	1	23.28	23.35	23.18	25.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	25.0	0.0	
10	QPSK	1	1	23.24	23.33	23.27	25.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	25.0	0.0	
5	QPSK	1	1	23.30	23.41	23.24	25.0	0.0	

n66 Ant2 Default									
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				346000	349000	352000	25.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	23.73	23.83	23.80	25.0	0.0	
40	PI/2 BPSK	1	108	23.74	23.77	23.61			
40	PI/2 BPSK	1	214	23.74	23.84	23.71			
40	PI/2 BPSK	108	0	23.61	23.75	23.72			
40	PI/2 BPSK	108	54	23.70	23.74	23.67	25.0	0.0	
40	PI/2 BPSK	108	108	23.70	23.86	23.79	25.0	0.0	
40	PI/2 BPSK	216	0	23.62	23.78	23.75			
40	QPSK	1	1	23.76	23.91	23.86	25.0	0.0	
40	QPSK	1	108	23.57	23.74	23.70			
40	QPSK	1	214	23.75	23.81	23.75			
40	QPSK	108	0	23.64	23.75	23.59		25.0	
40	QPSK	108	54	23.66	23.83	23.68	25.0	0.0	
40	QPSK	108	108	23.73	23.79	23.71	25.0	0.0	
40	QPSK	216	0	23.71	23.84	23.69			
40	16QAM	1	1	23.71	23.87	23.70	25.0	0.0	
40	64QAM	1	1	22.39	22.44	22.42	23.5	1.5	
40	256QAM	1	1	20.27	20.40	20.32	21.5	3.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	25.0	0.0	
30	QPSK	1	1	23.58	23.78	23.57	25.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	25.0	0.0	
20	QPSK	1	1	23.69	23.78	23.59	25.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	25.0	0.0	
15	QPSK	1	1	23.59	23.81	23.57	25.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	25.0	0.0	
10	QPSK	1	1	23.51	23.79	23.63	25.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	25.0	0.0	
5	QPSK	1	1	23.57	23.77	23.65	25.0	0.0	



n38 Ant2 Default									
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				516004	516000	516998			
Frequency (MHz)				2580.02	2595	2599.98			
40	PV2 BPSK	1	1	23.26	23.36	23.27			
40	PV2 BPSK	1	53	23.29	23.33	23.19	25.0	0.0	
40	PV2 BPSK	1	104	23.21	23.29	23.12	25.0	0.0	
40	PV2 BPSK	50	0	23.22	23.31	23.28	25.0	0.0	
40	PV2 BPSK	50	28	23.28	23.29	23.26	25.0	0.0	
40	PV2 BPSK	50	58	23.22	23.25	23.10	25.0	0.0	
40	PV2 BPSK	100	0	23.32	23.35	23.31			
40	QPSK	1	1	23.34	23.36	23.24			
40	QPSK	1	53	23.22	23.35	23.25	25.0	0.0	
40	QPSK	1	104	23.28	23.32	23.17			
40	QPSK	50	0	23.26	23.30	23.20	25.0	0.0	
40	QPSK	50	28	23.18	23.35	23.32	25.0	0.0	
40	QPSK	50	58	23.16	23.28	23.18	25.0	0.0	
40	QPSK	100	0	23.25	23.31	23.22			
40	16QAM	1	1	23.31	23.36	23.29	25.0	0.0	
40	64QAM	1	1	21.91	21.98	21.84	23.5	1.5	
40	256QAM	1	1	19.87	20.01	19.89	21.5	3.5	
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.24	23.28	23.18	25.0	0.0	
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.28	23.31	23.08	25.0	0.0	

n41 PC3 Ant2 Default									
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				505002	518598	529000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PV2 BPSK	1	1	23.36	23.41	23.25			
100	PV2 BPSK	1	137	23.31	23.34	23.17	25.0	0.0	
100	PV2 BPSK	1	271	23.23	23.31	23.25			
100	PV2 BPSK	135	0	23.30	23.37	23.34	25.0	0.0	
100	PV2 BPSK	135	69	23.35	23.40	23.24	25.0	0.0	
100	PV2 BPSK	135	138	23.29	23.32	23.29	25.0	0.0	
100	PV2 BPSK	270	0	23.28	23.38	23.23			
100	QPSK	1	1	23.44	23.48	23.34	25.0	0.0	
100	QPSK	1	137	23.28	23.40	23.34			
100	QPSK	1	271	23.23	23.31	23.14			
100	QPSK	135	0	23.31	23.40	23.29	25.0	0.0	
100	QPSK	135	69	23.33	23.44	23.39	25.0	0.0	
100	QPSK	135	138	23.18	23.30	23.21	25.0	0.0	
100	QPSK	270	0	23.32	23.38	23.28			
100	16QAM	1	1	23.22	23.35	23.29	25.0	0.0	
100	64QAM	1	1	21.84	22.00	21.96	23.5	1.5	
100	256QAM	1	1	19.96	19.99	19.90	21.5	3.5	
Channel				505000	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.41	23.42	23.27	25.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.36	23.30	23.23	25.0	0.0	
Channel				505000	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.30	23.32	23.18	25.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.33	23.40	23.31	25.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.39	23.36	23.21	25.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.36	23.38	23.29	25.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.02	2592.99	2679.99			
20	QPSK	1	1	23.28	23.32	23.30	25.0	0.0	

n41 PC2 Ant2 Default									
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				505002	518598	529000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PV2 BPSK	1	1	24.01	24.09	24.11			
100	PV2 BPSK	1	137	24.14	24.33	24.12	26.0	0.0	
100	PV2 BPSK	1	271	24.14	24.26	24.18			
100	PV2 BPSK	135	0	24.23	24.24	24.17	26.0	0.0	
100	PV2 BPSK	135	69	24.21	24.36	24.26	26.0	0.0	
100	PV2 BPSK	135	138	24.16	24.36	24.13	26.0	0.0	
100	PV2 BPSK	270	0	24.15	24.33	24.25			
100	QPSK	1	1	24.27	24.45	24.38			
100	QPSK	1	137	24.19	24.41	24.21	26.0	0.0	
100	QPSK	1	271	24.20	24.01	24.14			
100	QPSK	135	0	24.14	24.17	24.19	26.0	0.0	
100	QPSK	135	69	24.24	24.26	24.11	26.0	0.0	
100	QPSK	135	138	24.11	24.15	24.03	26.0	0.0	
100	QPSK	270	0	24.01	23.10	24.09			
100	16QAM	1	1	24.19	24.20	24.17	26.0	0.0	
100	64QAM	1	1	24.19	24.29	24.11	26.0	0.0	
100	256QAM	1	1	22.55	22.55	22.61	24.5	1.5	
Channel				503200	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	24.18	24.37	24.36	26.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	24.17	24.37	24.29	26.0	0.0	
Channel				505000	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	24.09	24.28	24.28	26.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	24.20	24.42	24.29	26.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	24.19	24.25	24.34	26.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.22	24.38	24.25	26.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.02	2592.99	2679.99			
20	QPSK	1	1	24.08	24.36	24.25	26.0	0.0	

Part270 n77 PC3 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 650000	Power Middle Ch. F.Freq. 650000	Power High Ch. F.Freq. 662000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930	24.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.06	22.21	22.11			
100	PI/2 BPSK	1	137	22.30	22.34	22.35			
100	PI/2 BPSK	1	271	22.12	22.28	22.22	24.0	0.0	
100	PI/2 BPSK	135	0	22.09	22.20	22.17			
100	PI/2 BPSK	135	69	22.19	22.28	22.17			
100	PI/2 BPSK	135	138	22.19	22.27	22.23			
100	PI/2 BPSK	270	0	22.21	22.25	22.14	24.0	0.0	
100	QPSK	1	1	22.32	22.38	22.23			
100	QPSK	1	137	22.25	22.32	22.28			
100	QPSK	1	271	22.23	22.39	22.26			
100	QPSK	135	0	22.08	22.21	22.17	24.0	0.0	
100	QPSK	135	69	22.25	22.30	22.18			
100	QPSK	135	138	22.07	22.24	22.20			
100	QPSK	270	0	22.14	22.27	22.25			
100	16QAM	1	1	22.11	22.20	22.17	24.0	0.0	
100	64QAM	1	1	20.82	20.89	20.85			
100	256QAM	1	1	18.64	18.71	18.55			
Channel				649000	650000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				649000	650000	662000			
90	QPSK	1	1	22.27	22.24	22.14			
Channel				649334	650000	662668		Tune-up limit (dBm)	
Frequency (MHz)				649334	650000	662668			
80	QPSK	1	1	22.24	22.27	22.15			
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				649000	650000	663000			
70	QPSK	1	1	22.26	22.33	22.19		24.0	
Channel				649000	650000	663334			
Frequency (MHz)				649000	650000	663334			
60	QPSK	1	1	22.22	22.28	22.13			
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				648334	650000	663668			
50	QPSK	1	1	22.17	22.26	22.07		24.0	
Channel				648000	650000	664000			
Frequency (MHz)				648000	650000	664000			
40	QPSK	1	1	22.29	22.30	22.10	24.0	0.0	
Channel				647668	650000	664334			
Frequency (MHz)				647668	650000	664334			
30	QPSK	1	1	22.23	22.23	22.15		24.0	
Channel				647334	650000	664668			
Frequency (MHz)				647334	650000	664668			
20	QPSK	1	1	22.29	22.21	22.08			

Part270 n77 PC2 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 650000	Power Middle Ch. F.Freq. 650000	Power High Ch. F.Freq. 662000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930	27.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	25.31	25.39	25.27			
100	PI/2 BPSK	1	137	25.17	25.33	25.31			
100	PI/2 BPSK	1	271	25.30	25.37	25.22	26.5	0.5	
100	PI/2 BPSK	135	0	24.61	24.72	24.64			
100	PI/2 BPSK	135	69	25.27	25.37	25.26			
100	PI/2 BPSK	135	138	24.69	24.85	24.79			
100	PI/2 BPSK	270	0	24.55	24.71	24.58	27.0	0.0	
100	QPSK	1	1	25.36	25.42	25.29			
100	QPSK	1	137	25.25	25.38	25.26			
100	QPSK	1	271	25.29	25.31	25.16			
100	QPSK	135	0	24.15	24.29	24.13	28.0	1.0	
100	QPSK	135	69	25.13	25.26	25.14			
100	QPSK	135	138	24.18	24.34	24.21			
100	QPSK	270	0	24.21	24.28	24.22			
100	16QAM	1	1	24.20	24.33	24.19	28.0	1.0	
100	64QAM	1	1	22.90	22.95	22.91			
100	256QAM	1	1	20.74	20.88	20.77			
Channel				649000	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				649000	650000	662334			
90	QPSK	1	1	25.31	25.30	25.12		27.0	
Channel				649334	650000	662668			
Frequency (MHz)				649334	650000	662668			
80	QPSK	1	1	25.14	25.29	25.17		27.0	
Channel				649000	650000	663000			
Frequency (MHz)				649000	650000	663000			
70	QPSK	1	1	25.25	25.29	25.16	27.0	0.0	
Channel				648334	650000	663334			
Frequency (MHz)				648334	650000	663334			
60	QPSK	1	1	25.28	25.29	25.21		27.0	
Channel				648000	650000	663668			
Frequency (MHz)				648000	650000	663668			
50	QPSK	1	1	25.33	25.38	25.28	27.0	0.0	
Channel				648000	650000	664000			
Frequency (MHz)				648000	650000	664000			
40	QPSK	1	1	25.22	25.29	25.16	27.0	0.0	
Channel				647668	650000	664334			
Frequency (MHz)				647668	650000	664334			
30	QPSK	1	1	25.28	25.31	25.21		27.0	
Channel				647334	650000	664668			
Frequency (MHz)				647334	650000	664668			
20	QPSK	1	1	25.23	25.35	25.14		27.0	
Channel				647000	650000	665000			
Frequency (MHz)				647000	650000	665000			

Part96 n77 PC2&3 Ant3 Default

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				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	19.28	19.30	19.19	20.0	0.0
100	PI/2 BPSK	1	137	19.15	19.32	19.11		
100	PI/2 BPSK	1	271	19.22	19.33	19.11		
100	PI/2 BPSK	135	0	19.16	19.27	19.10	20.0	0.0
100	PI/2 BPSK	135	69	19.11	19.16	19.31	20.0	0.0
100	PI/2 BPSK	135	138	19.19	19.30	19.22	20.0	0.0
100	PI/2 BPSK	270	0	19.32	19.20	19.27		
100	QPSK	1	1	19.98	19.38	19.30		
100	QPSK	1	137	19.20	19.31	19.03	20.0	0.0
100	QPSK	1	271	19.10	19.23	19.21	20.0	0.0
100	QPSK	135	0	19.17	19.31	19.15		
100	QPSK	135	69	19.31	19.36	19.05		
100	QPSK	135	138	19.30	19.31	19.15	20.0	0.0
100	QPSK	270	0	19.03	19.30	19.20	20.0	0.0
100	16QAM	1	1	19.15	19.32	19.34	20.0	0.0
100	64QAM	1	1	19.28	19.30	19.12	20.0	0.0
100	256QAM	1	1	19.96	19.26	19.30	20.0	0.0
Channel				639998	641666	643999	Tune-up limit (dBm)	MPR
Frequency (MHz)				3595.02	3624.99	3654.99	20.0	0.0
90	QPSK	1	1	19.20	19.32	19.07	20.0	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3593.01	3624.99	3650.0	20.0	0.0
80	QPSK	1	1	19.11	19.17	19.21	20.0	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3585	3624.99	3664.98	20.0	0.0
70	QPSK	1	1	19.15	19.15	19.00	20.0	0.0
Channel				638668	641666	645000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3580.02	3624.99	3669.99	20.0	0.0
60	QPSK	1	1	19.18	19.21	19.01	20.0	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3575.01	3624.99	3675.0	20.0	0.0
50	QPSK	1	1	19.19	19.27	19.14	20.0	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3570	3624.99	3675.99	20.0	0.0
40	QPSK	1	1	19.13	19.11	19.08	20.0	0.0
Channel				637668	641666	645668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3565.02	3624.99	3684.99	20.0	0.0
30	QPSK	1	1	19.09	19.20	19.06	20.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3560.01	3624.99	3690.0	20.0	0.0
20	QPSK	1	1	19.16	19.32	19.11	20.0	0.0

Part27Q n77 PC3 Ant3 Default

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		22.50		24.0	0.0
100	PI/2 BPSK	1	137		22.46			
100	PI/2 BPSK	1	271		22.40			
100	PI/2 BPSK	135	0		22.52		24.0	0.0
100	PI/2 BPSK	135	69		22.44		24.0	0.0
100	PI/2 BPSK	135	138		22.38		24.0	0.0
100	PI/2 BPSK	270	0		22.42			
100	QPSK	1	1		22.53			
100	QPSK	1	137		22.33		24.0	0.0
100	QPSK	1	271		22.38		24.0	0.0
100	QPSK	135	0		22.32			
100	QPSK	135	69		22.44			
100	QPSK	135	138		22.38		24.0	0.0
100	QPSK	270	0		22.45		24.0	0.0
100	16QAM	1	1		22.52		24.0	0.0
100	64QAM	1	1		21.29		22.5	1.5
100	256QAM	1	1		19.23		20.5	3.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3495	3500.01	3505.02	24.0	0.0
90	QPSK	1	1	22.37	22.49	22.38	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510.0	24.0	0.0
80	QPSK	1	1	22.45	22.43	22.49	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	24.0	0.0
70	QPSK	1	1	22.35	22.39	22.48	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3480	3500.01	3520.02	24.0	0.0
60	QPSK	1	1	22.36	22.42	22.42	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3505.0	24.0	0.0
50	QPSK	1	1	22.39	22.49	22.46	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3520.01	24.0	0.0
40	QPSK	1	1	22.43	22.45	22.47	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3465	3500.01	3535.02	24.0	0.0
30	QPSK	1	1	22.47	22.46	22.38	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540.0	24.0	0.0
20	QPSK	1	1	22.45	22.36	22.39	24.0	0.0

Part27Q n77 PC2 Ant3 Default									
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	PI2 BPSK	1	1		25.37		27.0	0.0	
100	PI2 BPSK	1	137		25.40				
100	PI2 BPSK	1	271		25.42				
100	PI2 BPSK	135	0		24.94		26.5	0.5	
100	PI2 BPSK	135	69		25.39		27.0	0.0	
100	PI2 BPSK	135	138		24.98		26.5	0.5	
100	PI2 BPSK	270	0		24.92				
100	QPSK	1	1		25.58				
100	QPSK	1	137		25.38		27.0	0.0	
100	QPSK	1	271		25.43		26.0	1.0	
100	QPSK	135	0		24.54				
100	QPSK	135	69		25.50				
100	QPSK	135	138		24.40		26.0	1.0	
100	QPSK	270	0		24.38		26.0	1.0	
100	16QAM	1	1		24.42				
100	64QAM	1	1		23.38				
100	256QAM	1	1		21.18		24.5	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	27.0	0.0	
90	QPSK	1	1	25.52	25.45	25.42	27.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	26.0	0.0	
80	QPSK	1	1	25.41	25.44	25.48	27.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	27.0	0.0	
70	QPSK	1	1	25.51	25.46	25.44	27.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	27.0	0.0	
60	QPSK	1	1	25.46	25.52	25.43	27.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	27.0	0.0	
50	QPSK	1	1	25.42	25.53	25.45	27.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	27.0	0.0	
40	QPSK	1	1	25.47	25.53	25.54	27.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	27.0	0.0	
30	QPSK	1	1	25.50	25.49	25.43	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0	
20	QPSK	1	1	25.43	25.48	25.52	27.0	0.0	

Part270 n78 PC3 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 650000	Power Middle Ch. Freq. 650000	Power High Ch. Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.17		24.0	0.0	
100	PI2 BPSK	1	137		22.10				
100	PI2 BPSK	1	271		22.12				
100	PI2 BPSK	135	0		22.10		24.0	0.0	
100	PI2 BPSK	135	69		22.08		24.0	0.0	
100	PI2 BPSK	135	138		22.05		24.0	0.0	
100	PI2 BPSK	270	0		22.12				
100	QPSK	1	1		22.18				
100	QPSK	1	137		22.08		24.0	0.0	
100	QPSK	1	271		22.11		24.0	0.0	
100	QPSK	135	0		22.09				
100	QPSK	135	69		22.13				
100	QPSK	135	138		22.12		24.0	0.0	
100	QPSK	270	0		22.10		24.0	0.0	
100	16QAM	1	1		22.05				
100	64QAM	1	1		20.98				
100	256QAM	1	1		18.81		20.5	3.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	22.15	22.04	22.08	24.0	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	22.02	22.16	22.12	24.0	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	22.10	22.06	22.12	24.0	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	22.02	22.11	22.09	24.0	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	22.05	22.15	22.04	24.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3760	(dBm)	(dB)	
40	QPSK	1	1	22.10	22.11	22.14	24.0	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3780.01	(dBm)	(dB)	
30	QPSK	1	1	22.12	22.18	22.10	24.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3760.02	(dBm)	(dB)	
20	QPSK	1	1	22.12	22.02	22.07	24.0	0.0	



Part27O n78 PC2 Ant3 Default									
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		25.17		27.0	0.0	
100	PI/2 BPSK	1	137		25.13				
100	PI/2 BPSK	1	271		25.10				
100	PI/2 BPSK	135	0		24.99		26.5	0.5	
100	PI/2 BPSK	135	69		25.14		27.0	0.0	
100	PI/2 BPSK	135	138		24.91		26.5	0.5	
100	PI/2 BPSK	270	0		24.57				
100	QPSK	1	1		25.20		27.0	0.0	
100	QPSK	1	137		25.13				
100	QPSK	1	271		25.11				
100	QPSK	135	0		24.12		26.0	1.0	
100	QPSK	135	69		25.16		27.0	0.0	
100	QPSK	135	138		24.06		26.0	1.0	
100	QPSK	270	0		24.04				
100	16QAM	1	1		24.14		26.0	1.0	
100	64QAM	1	1		22.89		24.5	2.5	
100	256QAM	1	1		20.69		22.5	4.5	
Channel				650668	650000	650334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dB)		
90	QPSK	1	1		25.05	25.09	25.08	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dB)		
80	QPSK	1	1		25.15	25.03	25.03	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3750	3765	(dB)		
70	QPSK	1	1		25.12	25.05	25.12	27.0	0.0
Channel				648000	650000	651334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dB)		
60	QPSK	1	1		25.18	25.14	25.13	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dB)		
50	QPSK	1	1		25.07	25.16	25.16	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dB)		
40	QPSK	1	1		25.15	25.17	25.16	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dB)		
30	QPSK	1	1		25.13	25.11	25.12	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dB)		
20	QPSK	1	1		25.16	25.15	25.13	27.0	0.0

Part27Q n78 PC3 Ant3 Default									
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				630000	633334	633334			
Frequency (MHz)				2245	2245	2245			
100	PI/2 BPSK	1	1		22.45		24.0	0.0	
100	PI/2 BPSK	1	137		22.48				
100	PI/2 BPSK	1	271		22.13				
100	PI/2 BPSK	135	0		22.25		24.0	0.0	
100	PI/2 BPSK	135	69		22.38		24.0	0.0	
100	PI/2 BPSK	135	138		22.11		24.0	0.0	
100	PI/2 BPSK	270	0		22.25				
100	QPSK	1	1		22.51		24.0	0.0	
100	QPSK	1	137		22.22				
100	QPSK	1	271		22.16				
100	QPSK	135	0		22.24		24.0	0.0	
100	QPSK	135	69		22.48		24.0	0.0	
100	QPSK	135	138		22.18		24.0	0.0	
100	QPSK	270	0		22.48				
100	16QAM	1	1		22.29		24.0	0.0	
100	64QAM	1	1		21.17		22.5	1.5	
100	256QAM	1	1		19.06		20.5	3.5	
Channel				632000	633334	633668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dB)		
90	QPSK	1	1		22.24	22.11	22.26	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dB)		
80	QPSK	1	1		22.22	22.11	22.21	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dB)		
70	QPSK	1	1		22.20	22.22	22.20	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dB)		
60	QPSK	1	1		22.13	22.13	22.23	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3500.01	3505	(dB)		
50	QPSK	1	1		22.26	22.11	22.26	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dB)		
40	QPSK	1	1		22.27	22.23	22.32	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dB)		
30	QPSK	1	1		22.11	22.17	22.33	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dB)		
20	QPSK	1	1		22.16	22.19	22.19	24.0	0.0

Part96 n78 PC2&3 Ant3 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	19.25	19.16	19.04	20.0
100	PI/2 BPSK	1	137	19.17	19.13	18.96	
100	PI/2 BPSK	1	271	19.17	19.26	19.01	
100	PI/2 BPSK	135	0	19.13	19.20	18.92	20.0
100	PI/2 BPSK	135	69	18.96	19.15	19.27	20.0
100	PI/2 BPSK	135	138	19.09	19.18	19.12	20.0
100	PI/2 BPSK	270	0	19.28	19.08	19.14	
100	PI/2 BPSK	270	0	19.28	19.08	19.14	
100	QPSK	1	1	18.92	19.32	19.31	20.0
100	QPSK	1	137	19.02	19.12	18.98	
100	QPSK	1	271	19.10	19.16	19.05	
100	QPSK	135	0	19.03	19.19	19.02	20.0
100	QPSK	135	69	19.25	19.27	18.91	20.0
100	QPSK	135	138	19.24	19.22	19.07	20.0
100	QPSK	270	0	19.82	19.11	18.99	
100	16QAM	1	1	18.97	19.17	19.18	
100	16QAM	1	1	19.19	19.22	18.96	20.0
100	256QAM	1	1	18.81	19.21	19.20	20.0
Channel				632668	634000	635334	MPR
Frequency (MHz)				3595.02	3624.99	3755.01	
90	QPSK	1	1	19.22	19.16	19.19	20.0
Channel				639334	641666	644000	Tune-up limit
Frequency (MHz)				3569.01	3624.99	3690	MPR
80	QPSK	1	1	19.24	19.11	19.04	20.0
Channel				639000	641666	644332	Tune-up limit
Frequency (MHz)				3585	3624.99	3664.98	MPR
70	QPSK	1	1	19.15	19.18	19.14	20.0
Channel				639668	641666	645000	Tune-up limit
Frequency (MHz)				3580.02	3624.99	3689.99	MPR
60	QPSK	1	1	19.19	19.12	19.16	20.0
Channel				638334	641666	645000	Tune-up limit
Frequency (MHz)				3575.01	3624.99	3695	MPR
50	QPSK	1	1	19.10	19.11	19.06	20.0
Channel				638000	641666	645332	Tune-up limit
Frequency (MHz)				3570	3624.99	376.99	MPR
40	QPSK	1	1	19.14	19.08	19.08	20.0
Channel				637668	641666	645668	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	MPR
30	QPSK	1	1	19.29	19.18	19.03	20.0
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	MPR
20	QPSK	1	1	19.17	19.12	19.02	20.0

Part27Q n78 PC2 Ant3 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel					633334		
Frequency (MHz)					3500.01		
100	PI/2 BPSK	1	1		25.47		27.0
100	PI/2 BPSK	1	137		25.37		
100	PI/2 BPSK	1	271		25.21		
100	PI/2 BPSK	135	0		24.87		26.5
100	PI/2 BPSK	135	69		25.40		27.0
100	PI/2 BPSK	135	138		24.84		26.5
100	PI/2 BPSK	270	0		24.76		
100	PI/2 BPSK	270	0		24.76		
100	QPSK	1	1		25.98		27.0
100	QPSK	1	137		25.32		
100	QPSK	1	271		25.21		
100	QPSK	135	0		24.47		26.0
100	QPSK	135	69		25.38		27.0
100	QPSK	135	138		24.26		26.0
100	QPSK	270	0		24.90		26.0
100	16QAM	1	1		24.41		
100	16QAM	1	1		23.12		
100	256QAM	1	1		21.07		22.5
Channel				633000	633334	633668	Tune-up limit
Frequency (MHz)				3495	3500.01	3505.02	MPR
90	QPSK	1	1	25.44	25.47	25.46	27.0
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	MPR
80	QPSK	1	1	25.41	25.46	25.42	27.0
Channel				632334	633334	634334	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3515.01	MPR
70	QPSK	1	1	25.50	26.44	26.38	27.0
Channel				631968	633334	635000	Tune-up limit
Frequency (MHz)				3480	3500.01	3520.02	MPR
60	QPSK	1	1	25.46	25.41	25.39	27.0
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3505	MPR
50	QPSK	1	1	25.38	25.35	25.32	27.0
Channel				631334	633334	635334	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3520.01	MPR
40	QPSK	1	1	25.45	25.49	25.38	27.0
Channel				631000	633334	635668	Tune-up limit
Frequency (MHz)				3465	3500.01	3535.02	MPR
30	QPSK	1	1	25.41	25.43	25.28	27.0
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	MPR
20	QPSK	1	1	25.30	25.39	25.46	27.0



n41 PC3 Ant4 Default									
BAW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Tune-up (ms)	MRB (dB)	
Channel									
	Frequency (MHz)			214.51	214.48	214.50			
100	PIC2 BPSK	1	1	21 43	21 48	21 50			
100	PIC2 BPSK	1	137	21 47	21 50	21 42	23.0	0.0	
100	PIC2 BPSK	1	271	21 46	21 50	21 46			
100	PIC2 BPSK	136	9	21 38	21 50	21 32	23.0	0.0	
100	PIC2 BPSK	136	49	21 53	21 50	21 50	23.0	0.0	
100	PIC2 BPSK	136	138	21 30	21 47	21 34			
100	PIC2 BPSK	270	9	21 41	21 51	21 51	23.0	0.0	
100	QPSK	1	1	21 56	21 56	21 56			
100	QPSK	1	137	21 39	21 57	21 37	23.0	0.0	
100	QPSK	1	271	21 50	21 50	21 51			
100	QPSK	136	9	21 39	21 51	21 40	23.0	0.0	
100	QPSK	136	49	21 52	21 50	21 41	23.0	0.0	
100	QPSK	136	138	21 46	21 46	21 47	23.0	0.0	
100	QPSK	270	9	21 38	21 50	21 46			
100	16QAM	1	1	21 51	21 50	21 49	23.0	0.0	
100	64QAM	1	1	21 15	21 17	21 08	23.0	0.0	
100	256QAM	1	1	21 28	21 40	21 36	23.0	0.0	
Channel				2042.00	2042.00	2042.00	Tune-up (ms)	MRB (dB)	
Frequency (MHz)				2042.00	2042.00	2042.00			
50	QPSK	1	1	21 36	21 50	21 49	23.0	0.0	
Channel									
Frequency (MHz)				2038.00	2038.00	2038.00	Tune-up (ms)	MRB (dB)	
Channel				2038.00	2038.00	2038.00			
80	QPSK	1	1	21 48	21 48	21 50	23.0	0.0	
Channel				2038.00	2038.00	2038.00	Tune-up (ms)	MRB (dB)	
Frequency (MHz)				2038.00	2038.00	2038.00			
60	QPSK	1	1	21 49	21 48	21 49	23.0	0.0	
Channel				2042.00	2042.00	2042.00	Tune-up (ms)	MRB (dB)	
Frequency (MHz)				2042.00	2042.00	2042.00			
50	QPSK	1	1	21 38	21 50	21 43	23.0	0.0	
Channel				2032.00	2038.00	2040.00	Tune-up (ms)	MRB (dB)	
Frequency (MHz)				2038.00	2038.00	2038.00			
40	QPSK	1	1	21 47	21 51	21 49	23.0	0.0	
Channel				2040.00	2040.00	2040.00	Tune-up (ms)	MRB (dB)	
Frequency (MHz)				2040.00	2040.00	2040.00			
30	QPSK	1	1	21 43	21 52	21 43	23.0	0.0	
Channel				2038.00	2038.00	2038.00	Tune-up (ms)	MRB (dB)	
Frequency (MHz)				2038.00	2038.00	2038.00			
20	QPSK	1	1	21 46	21 51	21 50	23.0	0.0	

Part270 n77 PC2 PC3 Ant4 Default									
BAW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Tune-up (ms)	MRB (dB)	
Channel									
	Frequency (MHz)			14.51	14.50	14.50			
100	PIC2 BPSK	1	1	14 41	14 50	14 48			
100	PIC2 BPSK	1	137	14 42	14 57	14 33	15.0	0.0	
100	PIC2 BPSK	1	271	14 47	14 47	14 46			
100	PIC2 BPSK	136	9	14 45	14 50	14 43	15.0	0.0	
100	PIC2 BPSK	136	49	14 46	14 50	14 49	15.0	0.0	
100	PIC2 BPSK	136	138	14 41	14 43	14 48			
100	PIC2 BPSK	270	9	14 53	14 57	14 41	15.0	0.0	
100	QPSK	1	1	14 56	14 50	14 50			
100	QPSK	1	137	14 42	14 50	14 40	15.0	0.0	
100	QPSK	1	271	14 40	14 50	14 34			
100	QPSK	136	9	14 46	14 49	14 39	15.0	0.0	
100	QPSK	136	49	14 40	14 51	14 40	15.0	0.0	
100	QPSK	136	138	14 45	14 50	14 36	15.0	0.0	
100	QPSK	270	9	14 42	14 50	14 47			
100	16QAM	1	1	14 39	14 40	14 36	15.0	0.0	
100	16QAM	9	1	14 53	14 57	14 36	15.0	0.0	
100	256QAM	1	1	14 53	14 50	14 37	15.0	0.0	
Channel				9040.00	9040.00	9040.00	Tune-up (ms)	MRB (dB)	
Frequency (MHz)				9040.00	9040.00	9040.00			
50	QPSK	1	1	14 50	14 54	14 55	15.0	0.0	
Channel									
Frequency (MHz)				9038.00	9038.00	9038.00			
80	QPSK	1	1	14 47	14 50	14 48	15.0	0.0	
Channel				9040.00	9040.00	9040.00	Tune-up (ms)	MRB (dB)	
Frequency (MHz)				9040.00	9040.00	9040.00			
70	QPSK	1	1	14 48	14 49	14 48	15.0	0.0	
Channel				9040.00	9040.00	9040.00	Tune-up (ms)	MRB (dB)	
Frequency (MHz)				9040.00	9040.00	9040.00			
60	QPSK	1	1	14 38	14 50	14 44	15.0	0.0	
Channel				9032.00	9038.00	9040.00	Tune-up (ms)	MRB (dB)	
Frequency (MHz)				9038.00	9038.00	9038.00			
50	QPSK	1	1	14 54	14 48	14 42	15.0	0.0	
Channel				9040.00	9040.00	9040.00	Tune-up (ms)	MRB (dB)	
Frequency (MHz)				9040.00	9040.00	9040.00			
40	QPSK	1	1	14 39	14 50	14 50	15.0	0.0	
Channel				9038.00	9038.00	9038.00	Tune-up (ms)	MRB (dB)	
Frequency (MHz)				9038.00	9038.00	9038.00			
30	QPSK	1	1	14 43	14 50	14 36	15.0	0.0	
Channel				9038.00	9038.00	9038.00	Tune-up (ms)	MRB (dB)	
Frequency (MHz)				9038.00	9038.00	9038.00			
20	QPSK	1	1	14 51	14 40	14 45	15.0	0.0	

Part96 n77 PC3 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power MidCh./Freq.	Power High Ch./Freq.	Turnup time (min)	MPR (dB)	
Channel				60000	3434.56	3434.56			
100	Pl2-BPSK	1	1	15.15	15.22	15.17	10.0	0.0	
Frequency (MHz)				15.09	15.25	15.00			
100	Pl2-BPSK	1	137	15.09	15.25	15.00	10.0	0.0	
100	Pl2-BPSK	1	271	15.10	15.21	15.06			
100	Pl2-BPSK	135	5	15.22	15.28	15.04	10.0	0.0	
100	Pl2-BPSK	135	89	15.07	15.21	15.09	10.0	0.0	
100	Pl2-BPSK	135	134	15.16	15.21	15.23	10.0	0.0	
100	Pl2-BPSK	270	0	15.22	15.28	15.00			
100	QPSK	1	1	15.24	15.27	15.24			
100	QPSK	1	137	15.07	15.23	15.25	10.0	0.0	
100	QPSK	1	271	15.21	15.27	15.00			
100	QPSK	135	5	15.16	15.22	15.17	10.0	0.0	
100	QPSK	135	89	15.03	15.40	15.21	10.0	0.0	
100	QPSK	135	134	15.07	15.28	15.06	10.0	0.0	
100	QPSK	270	0	15.23	15.25	15.25	10.0	0.0	
100	16QAM	1	1	15.08	15.23	15.00	10.0	0.0	
100	16QAM	1	1	15.17	15.15	15.10	10.0	0.0	
100	256QAM	1	1	15.32	15.37	15.10	14.5	1.5	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
50	QPSK	1	1	15.29	15.08	15.27	10.0	0.0	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
80	QPSK	1	1	15.30	15.20	15.21	10.0	0.0	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
70	QPSK	1	1	15.15	15.22	15.30	10.0	0.0	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
60	QPSK	1	1	15.34	15.41	15.10	10.0	0.0	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
50	QPSK	1	1	15.22	15.29	15.20	10.0	0.0	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
40	QPSK	1	1	15.30	15.28	15.20	10.0	0.0	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
30	QPSK	1	1	15.26	15.21	15.10	10.0	0.0	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
20	QPSK	1	1	15.31	15.28	15.31	10.0	0.0	

Part27Q n77 PC3&PC2 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power MidCh./Freq.	Power High Ch./Freq.	Turnup time (min)	MPR (dB)	
Channel				60000	3434.56	3434.56			
100	Pl2-BPSK	1	1	15.29					
100	Pl2-BPSK	1	137	15.09			10.0	0.0	
100	Pl2-BPSK	1	271	15.10					
100	Pl2-BPSK	135	5	15.22			10.0	0.0	
100	Pl2-BPSK	135	89	15.07			10.0	0.0	
100	Pl2-BPSK	135	134	15.16			10.0	0.0	
100	Pl2-BPSK	270	0	15.22					
100	QPSK	1	1	15.24					
100	QPSK	1	137	15.07			10.0	0.0	
100	QPSK	1	271	15.21					
100	QPSK	135	5	15.16			10.0	0.0	
100	QPSK	135	89	15.03			10.0	0.0	
100	QPSK	135	134	15.07			10.0	0.0	
100	QPSK	270	0	15.23			10.0	0.0	
100	16QAM	1	1	15.08			10.0	0.0	
100	16QAM	1	1	15.17			10.0	0.0	
100	256QAM	1	1	15.32			14.5	1.5	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
50	QPSK	1	1	15.24	15.04	15.26	10.0	0.0	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
80	QPSK	1	1	15.24	15.27	15.26	10.0	0.0	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
70	QPSK	1	1	15.27	15.29	15.24	10.0	0.0	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
60	QPSK	1	1	15.23	15.40	15.21	10.0	0.0	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
50	QPSK	1	1	15.31	15.41	15.19	10.0	0.0	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
40	QPSK	1	1	15.30	15.27	15.24	10.0	0.0	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
30	QPSK	1	1	15.29	15.23	15.21	10.0	0.0	
Channel				60000	3434.56	3434.56	Turnup time (min)	MPR (dB)	
Frequency (MHz)				3434.56	3434.56	3434.56			
20	QPSK	1	1	15.27	15.27	15.22	10.0	0.0	



Part270 n78 PC2 PC3 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turnup time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PC2 SPSNC	1	1	14.46					
100	PC2 SPSNC	1	137	14.35			15.0	0.0	
100	PC2 SPSNC	1	271	14.35					
100	PC2 SPSNC	135	6	14.35			15.0	0.0	
100	PC2 SPSNC	135	66	14.47			15.0	0.0	
100	PC2 SPSNC	135	134	14.47			15.0	0.0	
100	PC2 SPSNC	270	0	14.41				0.0	
100	QPSK	1	1	14.45					
100	QPSK	1	137	14.45			15.0	0.0	
100	QPSK	1	271	14.41					
100	QPSK	135	6	14.33			15.0	0.0	
100	QPSK	135	66	14.47			15.0	0.0	
100	QPSK	135	134	14.46			15.0	0.0	
100	QPSK	270	0	14.37				0.0	
100	16QAM	1	1	14.38			15.0	0.0	
100	8QAM	1	1	14.42			15.0	0.0	
100	256QAM	1	1	14.43			15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.34	14.33	14.28	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.36	14.32	14.24	15.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.35	14.46	14.47	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.36	14.38	14.23	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.29	14.40	14.28	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.34	14.44	14.25	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.33	14.29	14.26	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.24	14.31	14.27	15.0	0.0	

Part96 n78 PC2 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turnup time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	P2-SPSNC	1	1	14.85	15.22	14.85			
100	P2-SPSNC	1	137	15.05	15.22	14.97	16.0	0.0	
100	P2-SPSNC	1	271	15.07	15.18	15.04			
100	P2-SPSNC	135	6	15.10	15.25	14.94	16.0	0.0	
100	P2-SPSNC	135	66	14.91	15.11	15.08	16.0	0.0	
100	P2-SPSNC	135	134	15.01	15.12	15.02	16.0	0.0	
100	P2-SPSNC	270	0	15.05	15.21	14.97			
100	QPSK	1	1	15.04	15.08	15.17			
100	QPSK	1	137	15.01	15.05	15.15	16.0	0.0	
100	QPSK	1	271	15.05	15.15	14.85			
100	QPSK	135	6	15.16	15.12	15.17	16.0	0.0	
100	QPSK	135	66	15.04	15.22	15.02	16.0	0.0	
100	QPSK	135	134	15.01	15.11	14.96	16.0	0.0	
100	QPSK	270	0	15.15	15.04	15.07			
100	16QAM	1	1	14.97	15.11	14.89	16.0	0.0	
100	8QAM	1	1	14.97	15.15	15.15	16.0	0.0	
100	256QAM	1	1	15.32	15.28	15.01	16.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.09	15.05	15.18	16.0	0.0	MPS
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.13	15.19	15.05	16.0	0.0	MPS
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.16	15.17	15.19	16.0	0.0	MPS
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.07	15.17	15.14	16.0	0.0	MPS
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.96	15.22	15.08	16.0	0.0	MPS
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.16	15.12	14.95	16.0	0.0	MPS
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.16	15.19	15.14	16.0	0.0	MPS
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.11	15.19	15.13	16.0	0.0	MPS

Part27Q n78 PC3&PC2 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turnup time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	P2-SPSNC	1	1			15.27			
100	P2-SPSNC	1	137			15.68	16.0	0.0	
100	P2-SPSNC	1	271			16.88		0.0	
100	P2-SPSNC	135	6			16.79	16.0	0.0	
100	P2-SPSNC	135	66			16.68	16.0	0.0	
100	P2-SPSNC	135	134			16.81	16.0	0.0	
100	P2-SPSNC	270	0			16.73		0.0	
100	QPSK	1	1			16.82			
100	QPSK	1	137			16.75	16.0	0.0	
100	QPSK	1	271			16.77		0.0	
100	QPSK	135	6			16.59	16.0	0.0	
100	QPSK	135	66			16.64	16.0	0.0	
100	QPSK	135	134			16.58	16.0	0.0	
100	QPSK	270	0			16.71		0.0	
100	16QAM	1	1			16.66	16.0	0.0	
100	8QAM	1	1			16.71	16.0	0.0	
100	256QAM	1	1			16.59	16.5	1.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.68	16.67	16.72	16.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.68	16.64	16.76	16.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.58	16.72	16.73	16.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.61	16.71	16.62	16.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.71	16.71	16.65	16.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.59	16.71	16.68	16.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.69	16.69	16.64	16.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.58	16.75	16.63	16.0	0.0	

n7 Ant6 Default									
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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	23.78	23.90	23.83	25.0	0.0	
40	PI/2 BPSK	1	108	23.74	23.88	23.76			
40	PI/2 BPSK	1	214	24.01	24.03	23.98			
40	PI/2 BPSK	108	0	23.77	23.88	23.74	25.0	0.0	
40	PI/2 BPSK	108	54	23.91	24.02	23.93	25.0	0.0	
40	PI/2 BPSK	108	108	23.80	23.92	23.89	25.0	0.0	
40	PI/2 BPSK	216	0	23.78	23.87	23.73			
40	QPSK	1	1	23.90	24.06	23.94			
40	QPSK	1	108	23.85	23.98	23.86	25.0	0.0	
40	QPSK	1	214	23.83	24.00	23.96			
40	QPSK	108	0	23.85	23.92	23.80			
40	QPSK	108	54	23.79	23.94	23.85	25.0	0.0	
40	QPSK	108	108	23.76	23.86	23.77	25.0	0.0	
40	QPSK	216	0	23.84	24.00	23.86			
40	16QAM	1	1	23.84	23.97	23.84			
40	64QAM	1	1	22.52	22.69	22.56	23.5	1.5	
40	256QAM	1	1	20.54	20.57	20.47	21.5	3.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.80	24.01	23.82	25.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	23.84	23.98	23.83	25.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.78	23.97	23.83	25.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.79	24.02	23.87	25.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.88	23.95	23.86	25.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.73	23.90	23.83	25.0	0.0	

n66 Ant6 Default									
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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	23.23	23.29	23.27	25.0	0.0	
40	PI/2 BPSK	1	108	23.18	23.26	23.23			
40	PI/2 BPSK	1	214	23.29	23.35	23.31			
40	PI/2 BPSK	108	0	23.21	23.30	23.24	25.0	0.0	
40	PI/2 BPSK	108	54	23.21	23.28	23.13	25.0	0.0	
40	PI/2 BPSK	108	108	23.25	23.36	23.20	25.0	0.0	
40	PI/2 BPSK	216	0	23.31	23.35	23.31			
40	QPSK	1	1	23.30	23.44	23.38			
40	QPSK	1	108	23.32	23.36	23.33	25.0	0.0	
40	QPSK	1	214	23.37	23.40	23.33			
40	QPSK	108	0	23.25	23.32	23.26			
40	QPSK	108	54	23.24	23.41	23.36	25.0	0.0	
40	QPSK	108	108	23.22	23.30	23.14	25.0	0.0	
40	QPSK	216	0	23.24	23.38	23.27			
40	16QAM	1	1	23.07	23.19	23.12			
40	64QAM	1	1	21.87	21.98	21.96	23.5	1.5	
40	256QAM	1	1	19.72	19.81	19.76	21.5	3.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.13	23.40	23.34	25.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.27	23.36	23.32	25.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.14	23.38	23.21	25.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.20	23.36	23.33	25.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.24	23.39	23.27	25.0	0.0	

Part270 n77 PC2 PC3 Ant7

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	660000		
Frequency (MHz)				3700	3840	3900		
100	Pi2 BPSK	1	1	14.83	14.89	14.93		
100	Pi2 BPSK	1	137	14.89	14.87	14.90	16.0	0.0
100	Pi2 BPSK	1	271	14.88	14.89	14.82		
100	Pi2 BPSK	135	0	14.87	14.91	14.86	16.0	0.0
100	Pi2 BPSK	135	69	14.83	15.01	14.86	16.0	0.0
100	Pi2 BPSK	135	138	14.88	14.97	14.90	16.0	0.0
100	Pi2 BPSK	270	0	14.82	14.86	14.95	16.0	0.0
100	QPSK	1	1	14.95	15.03	14.97		
100	QPSK	1	137	14.83	14.97	14.89	16.0	0.0
100	QPSK	1	271	14.81	14.90	14.85		
100	QPSK	135	0	14.86	14.92	14.92	16.0	0.0
100	QPSK	135	69	14.78	14.94	14.88	16.0	0.0
100	QPSK	135	138	14.79	14.88	14.90	16.0	0.0
100	QPSK	270	0	14.78	15.05	14.92	16.0	0.0
100	16QAM	1	1	14.88	14.99	14.84	16.0	0.0
100	64QAM	1	1	14.87	14.99	14.87	16.0	0.0
100	256QAM	1	1	14.84	14.95	14.81	16.0	0.0
Channel				649999	650000	650001	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3895.01		
90	QPSK	1	1	14.91	14.88	14.95	16.0	0.0
Channel				649999	650000	650001	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.01	3840	3840.02		
80	QPSK	1	1	14.83	14.98	14.81	16.0	0.0
Channel				649000	650000	660000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3840	3900		
70	QPSK	1	1	14.81	14.87	14.94	16.0	0.0
Channel				648999	650000	660000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3860.01		
60	QPSK	1	1	14.87	14.93	14.90	16.0	0.0
Channel				648000	650000	660000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3865.02		
50	QPSK	1	1	14.78	14.96	14.88	16.0	0.0
Channel				648000	650000	660000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3840	3900		
40	QPSK	1	1	14.89	14.99	14.90	16.0	0.0
Channel				647999	650000	660000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3865.01		
30	QPSK	1	1	14.89	14.92	14.90	16.0	0.0
Channel				647334	650000	649999	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3719.01	3840	3870.02		
20	QPSK	1	1	14.92	15.00	14.85	16.0	0.0

Part96 n77 PC3 Ant7

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				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	Pi2 BPSK	1	1	13.51	13.44	13.54		
100	Pi2 BPSK	1	137	13.51	13.35	13.44	14.0	0.0
100	Pi2 BPSK	1	271	13.41	13.33	13.34		
100	Pi2 BPSK	135	0	13.30	13.48	13.40	14.0	0.0
100	Pi2 BPSK	135	69	13.23	13.43	13.26	14.0	0.0
100	Pi2 BPSK	135	138	13.43	13.54	13.38	14.0	0.0
100	Pi2 BPSK	270	0	13.30	13.31	13.48	14.0	0.0
100	QPSK	1	1	13.40	13.55	13.51		
100	QPSK	1	137	13.36	13.38	13.32	14.0	0.0
100	QPSK	1	271	13.22	13.39	13.35		
100	QPSK	135	0	13.32	13.35	13.35	14.0	0.0
100	QPSK	135	69	13.22	13.41	13.27	14.0	0.0
100	QPSK	135	138	13.26	13.32	13.40	14.0	0.0
100	QPSK	270	0	13.27	13.39	13.37	14.0	0.0
100	16QAM	1	1	13.29	13.48	13.38	14.0	0.0
100	64QAM	1	1	13.31	13.49	13.38	14.0	0.0
100	256QAM	1	1	13.41	13.44	13.24	14.0	0.0
Channel				639999	641666	643332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3649.98		
90	QPSK	1	1	13.23	13.35	13.47	14.0	0.0
Channel				639999	641666	643332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3599.01	3624.99	3600		
80	QPSK	1	1	13.25	13.43	13.42	14.0	0.0
Channel				639000	641666	643332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.01	3624.99	3600		
70	QPSK	1	1	13.09	13.40	13.39	14.0	0.0
Channel				638999	641666	643332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.02	3624.99	3609.99		
60	QPSK	1	1	13.11	13.27	13.40	14.0	0.0
Channel				638000	641666	643332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3605		
50	QPSK	1	1	13.23	13.25	13.50	14.0	0.0
Channel				638000	641666	643332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3600	3624.99	3609.98		
40	QPSK	1	1	13.30	13.28	13.33	14.0	0.0
Channel				637999	641666	643332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3604.99		
30	QPSK	1	1	13.19	13.39	13.45	14.0	0.0
Channel				637334	641666	640000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3600		
20	QPSK	1	1	13.11	13.30	13.54	14.0	0.0

Part27Q n77 PC2 PC3 Ant7

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				630000	633334	633334		
Frequency (MHz)				3500.01				
100	Pi2 BPSK	1	1		9.07			
100	Pi2 BPSK	1	137		9.10		9.5	0.0
100	Pi2 BPSK	1	271		9.10			
100	Pi2 BPSK	135	0		9.08		9.5	0.0
100	Pi2 BPSK	135	69		9.10		9.5	0.0
100	Pi2 BPSK	135	138		9.05		9.5	0.0
100	Pi2 BPSK	270	0		9.00			
100	QPSK	1	1		9.14			
100	QPSK	1	137		9.07		9.5	0.0
100	QPSK	1	271		9.09			
100	QPSK	135	0		9.07		9.5	0.0
100	QPSK	135	69		9.08		9.5	0.0
100	QPSK	135	138		9.07			
100	QPSK	270	0		9.11		9.5	0.0
100	16QAM	1	1		9.11		9.5	0.0
100	64QAM	1	1		9.02		9.5	0.0
100	256QAM	1	1		9.10		9.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	8.99	9.11	9.06	9.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	9.08	9.07	9.05	9.5	0.0
Channel				633334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	9.09	9.09	9.05	9.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	9.00	9.02	8.99	9.5	0.0
Channel				633000	633334	633500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	9.04	9.00	9.06	9.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	8.94	9.03	8.98	9.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	9.07	9.07	8.99	9.5	0.0
Channel				630668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	9.01	9.10	8.93	9.5	0.0

Part270 n78 PC2 PC3 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	Pi2 BPSK	1	1		14.67			
100	Pi2 BPSK	1	137		14.77		16.0	0.0
100	Pi2 BPSK	1	271		14.79			
100	Pi2 BPSK	135	0		14.82		16.0	0.0
100	Pi2 BPSK	135	69		14.77		16.0	0.0
100	Pi2 BPSK	135	138		14.77		16.0	0.0
100	Pi2 BPSK	270	0		14.81			
100	QPSK	1	1		14.82			
100	QPSK	1	137		14.84		16.0	0.0
100	QPSK	1	271		14.85			
100	QPSK	135	0		14.77		16.0	0.0
100	QPSK	135	69		14.82		16.0	0.0
100	QPSK	135	138		14.80		16.0	0.0
100	QPSK	270	0		14.80			
100	16QAM	1	1		14.86		16.0	0.0
100	64QAM	1	1		14.80		16.0	0.0
100	256QAM	1	1		14.81		16.0	0.0
Channel				6490.00	6500.00	6503.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3758.01		
90	QPSK	1	1		14.73	14.77	14.70	16.0 0.0
Channel				6490.04	6500.00	6506.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		14.77	14.87	14.75	16.0 0.0
Channel				6490.05	6500.00	6510.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735.02	3750	3770.01		
70	QPSK	1	1		14.82	14.78	14.71	16.0 0.0
Channel				6486.68	6500.00	6513.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		14.76	14.78	14.77	16.0 0.0
Channel				6483.34	6500.00	6516.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		14.77	14.79	14.71	16.0 0.0
Channel				6480.00	6500.00	6520.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		14.74	14.84	14.74	16.0 0.0
Channel				6476.68	6500.00	6523.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3795.01		
30	QPSK	1	1		14.75	14.85	14.72	16.0 0.0
Channel				6473.34	6500.00	6526.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		14.73	14.78	14.79	16.0 0.0

Part96 n78 PC3 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3600	3624.99	3649.98		
100	Pi2 BPSK	1	1		13.29	13.33	13.38	
100	Pi2 BPSK	1	137		13.38	13.31	13.26	14.0 0.0
100	Pi2 BPSK	1	271		13.38	13.29	13.31	
100	Pi2 BPSK	135	0		13.18	13.34	13.19	14.0 0.0
100	Pi2 BPSK	135	69		13.16	13.38	13.19	14.0 0.0
100	Pi2 BPSK	135	138		13.34	13.45	13.20	
100	Pi2 BPSK	270	0		13.17	13.11	13.32	
100	QPSK	1	1		13.26	13.52	13.50	
100	QPSK	1	137		13.34	13.22	13.15	14.0 0.0
100	QPSK	1	271		13.03	13.23	13.28	
100	QPSK	135	0		13.15	13.29	13.36	14.0 0.0
100	QPSK	135	69		13.16	13.42	13.23	14.0 0.0
100	QPSK	135	138		13.16	13.31	13.25	
100	QPSK	270	0		13.06	13.28	13.20	14.0 0.0
100	16QAM	1	1		13.13	13.47	13.27	14.0 0.0
100	64QAM	1	1		13.22	13.29	13.37	14.0 0.0
100	256QAM	1	1		13.34	13.30	13.28	14.0 0.0
Channel				6396.00	6410.00	6503.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3695.02	3624.99	3755.01		
90	QPSK	1	1		13.14	13.31	13.34	14.0 0.0
Channel				6393.34	6410.00	6480.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3690.01	3624.99	3695		
80	QPSK	1	1		13.12	13.35	13.46	14.0 0.0
Channel				6390.00	6410.00	6443.32	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3685	3624.99	3692.00		
70	QPSK	1	1		13.20	13.25	13.37	14.0 0.0
Channel				6386.68	6410.00	6446.66	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3680.02	3624.99	3699.99		
60	QPSK	1	1		13.17	13.42	13.35	14.0 0.0
Channel				6383.34	6410.00	6450.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3675.01	3624.99	3675		
50	QPSK	1	1		13.12	13.30	13.37	14.0 0.0
Channel				6380.00	6410.00	6453.32	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3670	3624.99	3678.98		
40	QPSK	1	1		13.23	13.44	13.37	14.0 0.0
Channel				6376.68	6410.00	6456.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3665.02	3624.99	3678.99		
30	QPSK	1	1		13.14	13.42	13.44	14.0 0.0
Channel				6373.34	6410.00	6460.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3660.01	3624.99	3660		
20	QPSK	1	1		13.16	13.35	13.43	14.0 0.0

Part27Q n78 PC2 PC3 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	Pi2 BPSK	1	1		8.79			
100	Pi2 BPSK	1	137		8.78		9.5	0.0
100	Pi2 BPSK	1	271		8.73			
100	Pi2 BPSK	135	0		8.80		9.5	0.0
100	Pi2 BPSK	135	69		8.86		9.5	0.0
100	Pi2 BPSK	135	138		8.80			
100	Pi2 BPSK	270	0		8.75		9.5	0.0
100	QPSK	1	1		8.89			
100	QPSK	1	137		8.83		9.5	0.0
100	QPSK	1	271		8.84			
100	QPSK	135	0		8.85		9.5	0.0
100	QPSK	135	69		8.87		9.5	0.0
100	QPSK	135	138		8.86			
100	QPSK	270	0		8.84		9.5	0.0
100	16QAM	1	1		8.78		9.5	0.0
100	64QAM	1	1		8.85		9.5	0.0
100	256QAM	1	1		8.82		9.5	0.0
Channel				6330.00	6333.34	6336.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		8.73	8.79	8.76	9.5 0.0
Channel				6326.68	6333.34	6340.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3515.01		
80	QPSK	1	1		8.68	8.74	8.80	9.5 0.0
Channel				6323.34	6333.34	6343.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		8.66	8.82	8.72	9.5 0.0
Channel				6320.00	6333.34	6346.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		8.70	8.78	8.69	9.5 0.0
Channel				6316.68	6333.34	6350.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		8.71	8.83	8.68	9.5 0.0
Channel				6313.34	6333.34	6353.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		8.73	8.80	8.71	9.5 0.0
Channel				6310.00	6333.34	6356.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465.02	3500.01	3535.02		
30	QPSK	1	1		8.68	8.76	8.77	9.5 0.0
Channel				6306.68	6333.34	6360.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		8.71	8.74	8.76	9.5 0.0

n41 PC3 Ant8 Default								
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				508202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.45	21.52	21.41	23.0	0.0
100	PI/2 BPSK	1	137	21.37	21.47	21.31		
100	PI/2 BPSK	1	271	21.43	21.44	21.36		
100	PI/2 BPSK	135	0	21.34	21.50	21.45		
100	PI/2 BPSK	135	69	21.27	21.41	21.31	22.5	0.0
100	PI/2 BPSK	135	138	21.28	21.37	21.27		
100	PI/2 BPSK	270	0	21.36	21.43	21.40		
100	QPSK	1	1	21.47	21.55	21.44		
100	QPSK	1	137	21.46	21.49	21.43	23.0	0.0
100	QPSK	1	271	21.23	21.41	21.37		
100	QPSK	135	0	21.34	21.39	21.35		
100	QPSK	135	69	21.25	21.45	21.35		
100	QPSK	135	138	21.28	21.36	21.27	22.0	1.0
100	QPSK	270	0	21.28	21.42	21.23		
100	16QAM	1	1	21.34	21.41	21.31		
100	64QAM	1	1	19.95	20.06	19.91		
100	256QAM	1	1	18.26	18.28	18.12	18.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.46	21.43	21.29	23.0	0.0
Channel				507204	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.38	21.50	21.30	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2528	2592.99	2659.98		
60	QPSK	1	1	21.34	21.52	21.27	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.45	21.38	21.34	23.0	0.0
Channel				502202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.28	21.49	21.28	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.28	21.36	21.27	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.27	21.48	21.29	23.0	0.0

Part270 n77 PC3 Ant11 Default								
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	12.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	11.02	11.02	11.00	12.5	0.0
100	PI/2 BPSK	1	137	11.03	11.02	10.91		
100	PI/2 BPSK	1	271	10.97	11.02	10.97		
100	PI/2 BPSK	135	0	11.05	11.03	10.94		
100	PI/2 BPSK	135	69	11.02	11.07	11.00	12.5	0.0
100	PI/2 BPSK	135	138	10.95	11.04	10.97	12.5	0.0
100	PI/2 BPSK	270	0	10.97	11.00	10.93		
100	QPSK	1	1	11.09	11.13	11.06	12.5	0.0
100	QPSK	1	137	11.00	10.99	10.96		
100	QPSK	1	271	11.04	10.97	11.00		
100	QPSK	135	0	11.02	11.08	11.02		
100	QPSK	135	69	10.97	11.09	10.91	12.5	0.0
100	QPSK	135	138	10.97	10.98	10.96	12.5	0.0
100	QPSK	270	0	11.04	11.05	10.94		
100	16QAM	1	1	11.03	11.01	10.93	12.5	0.0
100	64QAM	1	1	11.03	10.98	10.95	12.5	0.0
100	256QAM	1	1	10.99	11.07	11.00	12.5	0.0
Channel				646668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	10.94	11.00	10.92	12.5	0.0
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	11.03	10.98	11.01	12.5	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	10.97	11.02	10.93	12.5	0.0
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	10.99	11.05	10.90	12.5	0.0
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	11.01	10.98	10.95	12.5	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	10.94	11.04	10.93	12.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	10.99	11.06	10.91	12.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	11.04	10.98	10.99	12.5	0.0

Part27Q n77 PC3 Ant11 Default								
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			16.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	15.59			16.0	0.0
100	PI/2 BPSK	1	137	15.55				
100	PI/2 BPSK	1	271	15.57				
100	PI/2 BPSK	135	0	15.48				
100	PI/2 BPSK	135	69	15.50			16.0	0.0
100	PI/2 BPSK	135	138	15.51			16.0	0.0
100	PI/2 BPSK	270	0	15.52				
100	QPSK	1	1	15.63			16.0	0.0
100	QPSK	1	137	15.50				
100	QPSK	1	271	15.49				
100	QPSK	135	0	15.49				
100	QPSK	135	69	15.52			16.0	0.0
100	QPSK	135	138	15.50			16.0	0.0
100	QPSK	270	0	15.59				
100	16QAM	1	1	15.57			16.0	0.0
100	64QAM	1	1	15.51			16.0	0.0
100	256QAM	1	1	15.57			16.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.45	15.58	15.50	16.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.45	15.47	15.47	16.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.53	15.57	15.51	16.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.52	15.55	15.44	16.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.42	15.54	15.42	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	15.45	15.59	15.49	16.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.45	15.57	15.48	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	15.42	15.55	15.48	16.0	0.0

Part96 n77 PC3 Ant11 Default									
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				640000	641666	643332	15.0	0.0	
Frequency (MHz)				3600	3624.99	3649.98			
100	PI/2 BPSK	1	1	13.73	13.77	13.81	15.0	0.0	
100	PI/2 BPSK	1	137	13.84	13.64	13.56			
100	PI/2 BPSK	1	271	13.74	13.61	13.64			
100	PI/2 BPSK	135	0	13.71	13.70	13.64			
100	PI/2 BPSK	135	69	13.62	13.68	13.66	15.0	0.0	
100	PI/2 BPSK	135	138	13.60	13.64	13.63	15.0	0.0	
100	PI/2 BPSK	270	0	13.79	13.63	13.55			
100	QPSK	1	1	13.71	13.94	13.66	15.0	0.0	
100	QPSK	1	137	13.72	13.70	13.75			
100	QPSK	1	271	13.85	13.65	13.73			
100	QPSK	135	0	13.75	13.74	13.82		0.0	
100	QPSK	135	69	13.71	13.63	13.52	15.0	0.0	
100	QPSK	135	138	13.78	13.73	13.72	15.0	0.0	
100	QPSK	270	0	13.66	13.61	13.55			
100	16QAM	1	1	13.75	13.80	13.57	15.0	0.0	
100	64QAM	1	1	13.58	13.72	13.67	15.0	0.0	
100	256QAM	1	1	13.62	13.70	13.77	15.0	0.0	
Channel				636968	641666	643566	15.0	MPR (dB)	
Frequency (MHz)				3595.02	3624.99	3654.99			
90	QPSK	1	1	13.63	13.73	13.77	15.0	0.0	
Channel				636334	641666	644000	15.0	MPR (dB)	
Frequency (MHz)				3590.01	3624.99	3660			
80	QPSK	1	1	13.60	13.57	13.01	15.0	0.0	
Channel				636000	641666	644332	15.0	MPR (dB)	
Frequency (MHz)				3585	3624.99	3664.98			
70	QPSK	1	1	13.61	13.61	13.02	15.0	0.0	
Channel				636668	641666	644666	15.0	MPR (dB)	
Frequency (MHz)				3580.02	3624.99	3689.99			
60	QPSK	1	1	13.55	13.72	13.80	15.0	0.0	
Channel				636334	641666	645000	15.0	MPR (dB)	
Frequency (MHz)				3575.01	3624.99	3675			
50	QPSK	1	1	13.52	13.64	13.75	15.0	0.0	
Channel				636000	641666	645332	15.0	MPR (dB)	
Frequency (MHz)				3570	3624.99	3679.98			
40	QPSK	1	1	13.50	13.60	13.01	15.0	0.0	
Channel				637668	641666	645666	15.0	MPR (dB)	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	13.54	13.60	13.05	15.0	0.0	
Channel				637334	641666	646000	15.0	MPR (dB)	
Frequency (MHz)				3560.01	3624.99	3690			
20	QPSK	1	1	13.63	13.66	13.65	15.0	0.0	

Part270 n78 PC3 Ant11 Default									
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	12.5	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	10.88			12.5	0.0	
100	PI/2 BPSK	1	137	10.97					
100	PI/2 BPSK	1	271	10.91					
100	PI/2 BPSK	135	0	10.95					
100	PI/2 BPSK	135	69	10.91			12.5	0.0	
100	PI/2 BPSK	135	138	10.96				0.0	
100	PI/2 BPSK	270	0	10.87			12.5	0.0	
100	QPSK	1	1	11.02					
100	QPSK	1	137	10.89					
100	QPSK	1	271	10.95					
100	QPSK	135	0	10.89			12.5	0.0	
100	QPSK	135	69	10.92				0.0	
100	QPSK	135	138	10.90			12.5	0.0	
100	QPSK	270	0	10.91				0.0	
100	16QAM	1	1	10.92			12.5	0.0	
100	64QAM	1	1	10.87			12.5	0.0	
100	256QAM	1	1	10.97			12.5	0.0	
Channel				649668	650000	650334	12.5	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	10.87	10.89	10.92	12.5	0.0	
Channel				649334	650000	650668	12.5	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	10.82	10.90	10.93	12.5	0.0	
Channel				649000	650000	651000	12.5	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	10.89	10.87	10.88	12.5	0.0	
Channel				648668	650000	651334	12.5	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	10.85	10.86	10.85	12.5	0.0	
Channel				648334	650000	651668	12.5	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	10.81	10.88	10.85	12.5	0.0	
Channel				648000	650000	652000	12.5	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	10.82	10.89	10.83	12.5	0.0	
Channel				647668	650000	652334	12.5	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	10.89	10.89	10.92	12.5	0.0	
Channel				647334	650000	652668	12.5	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	10.86	10.88	10.88	12.5	0.0	

Part96 n78 PC3 Ant11 Default

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				640000	641666	643332	15.0	0.0
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	13.51	13.61	13.80	15.0	0.0
100	PI/2 BPSK	1	137	13.63	13.66	13.52		
100	PI/2 BPSK	1	271	13.55	13.45	13.62		
100	PI/2 BPSK	135	0	13.64	13.66	13.55		
100	PI/2 BPSK	135	69	13.44	13.68	13.57	15.0	0.0
100	PI/2 BPSK	135	138	13.39	13.51	13.55	15.0	0.0
100	PI/2 BPSK	270	0	13.78	13.43	13.43		
100	QPSK	1	1	13.62	13.80	13.58	15.0	0.0
100	QPSK	1	137	13.61	13.59	13.71		
100	QPSK	1	271	13.65	13.56	13.67		
100	QPSK	135	0	13.56	13.65	13.60		
100	QPSK	135	69	13.60	13.62	13.54	15.0	0.0
100	QPSK	135	138	13.61	13.55	13.53	15.0	0.0
100	QPSK	270	0	13.57	13.63	13.40		
100	16QAM	1	1	13.76	13.75	13.45	15.0	0.0
100	64QAM	1	1	13.37	13.68	13.54	15.0	0.0
100	256QAM	1	1	13.46	13.58	13.58	15.0	0.0
Channel				639668	641666	650334	Tune-up limit	MPR
Frequency (MHz)				3595.02	3624.99	3755.01	15.0	0.0
90	QPSK	1	1	13.62	13.73	13.65	15.0	0.0
Channel				639334	641666	644000		
Frequency (MHz)				3590.01	3624.99	3660	Tune-up limit	MPR
80	QPSK	1	1	13.67	13.60	13.85	15.0	0.0
Channel				639000	641666	644332	Tune-up limit	MPR
Frequency (MHz)				3588	3624.99	3664.98	15.0	0.0
70	QPSK	1	1	13.50	13.65	13.71	15.0	0.0
Channel				638668	641666	644666		
Frequency (MHz)				3580.02	3624.99	3689.99	Tune-up limit	MPR
60	QPSK	1	1	13.57	13.63	13.83	15.0	0.0
Channel				638334	641666	645000	Tune-up limit	MPR
Frequency (MHz)				3575.01	3624.99	3675	15.0	0.0
50	QPSK	1	1	13.70	13.61	13.82	15.0	0.0
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98	Tune-up limit	MPR
40	QPSK	1	1	13.60	13.61	13.74	15.0	0.0
Channel				637668	641666	645666	Tune-up limit	MPR
Frequency (MHz)				3565.02	3624.99	3684.99	15.0	0.0
30	QPSK	1	1	13.50	13.60	13.88	15.0	0.0
Channel				637334	641666	646000		
Frequency (MHz)				3560.01	3624.99	3690	Tune-up limit	MPR
20	QPSK	1	1	13.72	13.65	13.65	15.0	0.0

Part27Q n78 PC3 Ant11 Default

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			16.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	15.50			16.0	0.0
100	PI/2 BPSK	1	137	15.51				
100	PI/2 BPSK	1	271	15.45				
100	PI/2 BPSK	135	0	15.50				
100	PI/2 BPSK	135	69	15.51			16.0	0.0
100	PI/2 BPSK	135	138	15.56			16.0	0.0
100	PI/2 BPSK	270	0	15.50				
100	QPSK	1	1	15.60			16.0	0.0
100	QPSK	1	137	15.50				
100	QPSK	1	271	15.53				
100	QPSK	135	0	15.55				
100	QPSK	135	69	15.54			16.0	0.0
100	QPSK	135	138	15.51			16.0	0.0
100	QPSK	270	0	15.52				
100	16QAM	1	1	15.53			16.0	0.0
100	64QAM	1	1	15.44			16.0	0.0
100	256QAM	1	1	15.48			16.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	15.41	15.50	15.53	16.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	15.44	15.49	15.52	16.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	15.39	15.53	15.46	16.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	15.40	15.47	15.46	16.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	15.38	15.55	15.52	16.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	15.44	15.47	15.48	16.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	15.43	15.48	15.43	16.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	15.46	15.53	15.51	16.0	0.0

Reduced Power for Sensor on

n5 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				166800	167300	167800	20.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	19.80	20.02	19.77			
20	PI/2 BPSK	1	53	19.90	20.02	19.77	20.5	0.0	
20	PI/2 BPSK	1	104	19.97	19.95	19.98			
20	PI/2 BPSK	50	0	19.79	19.92	19.76			
20	PI/2 BPSK	50	28	19.84	20.09	19.84	20.5	0.0	
20	PI/2 BPSK	50	56	19.89	19.97	19.91			
20	PI/2 BPSK	100	0	19.95	19.90	19.73			
20	QPSK	1	1	19.96	20.10	19.89	20.5	0.0	
20	QPSK	1	53	19.91	20.09	19.83			
20	QPSK	1	104	19.97	19.94	19.85			
20	QPSK	50	0	19.93	20.01	19.84	20.5	0.0	
20	QPSK	50	28	19.76	20.02	19.82			
20	QPSK	50	56	19.92	20.00	19.79			
20	QPSK	100	0	19.87	19.94	19.85	20.5	0.0	
20	16QAM	1	1	19.94	20.09	19.78			
20	64QAM	1	1	19.63	19.87	19.74			
20	256QAM	1	1	19.97	20.05	19.75	20.5	0.0	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5	20.5	0.0	
15	QPSK	1	1	19.74	19.70	19.62			
Channel				165800	167300	168800	20.5	0.0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	19.74	19.74	19.60			
Channel				165300	167300	169300	20.5	0.0	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	19.67	19.84	19.55			

n71 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				134600	136100	137600	23.0	0.0	
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	22.28	22.26	22.34			
20	PI/2 BPSK	1	53	22.33	22.34	22.29	23.0	0.0	
20	PI/2 BPSK	1	104	22.20	22.26	22.23			
20	PI/2 BPSK	50	0	22.32	22.29	22.29			
20	PI/2 BPSK	50	28	22.31	22.36	22.25	23.0	0.0	
20	PI/2 BPSK	50	56	22.32	22.38	22.34			
20	PI/2 BPSK	100	0	22.25	22.33	22.27			
20	QPSK	1	1	22.35	22.41	22.37	23.0	0.0	
20	QPSK	1	53	22.32	22.38	22.23			
20	QPSK	1	104	22.31	22.30	22.25			
20	QPSK	50	0	22.27	22.25	22.26	23.0	0.0	
20	QPSK	50	28	22.20	22.33	22.30			
20	QPSK	50	56	22.31	22.25	22.29			
20	QPSK	100	0	22.25	22.29	22.22	23.0	0.0	
20	16QAM	1	1	22.18	22.27	22.22			
20	64QAM	1	1	22.05	22.10	22.06			
20	256QAM	1	1	19.94	19.97	19.82	20.5	2.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5	23.0	0.0	
15	QPSK	1	1	22.21	22.32	22.29			
Channel				133600	136100	138600	23.0	0.0	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.33	22.30	22.20			
Channel				133100	136100	139100	23.0	0.0	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.18	22.30	22.23			

n7 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				504000	507000	510000	10.5	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	9.61	9.74	9.66			
40	PI/2 BPSK	1	108	9.72	9.81	9.69			
40	PI/2 BPSK	1	214	9.73	9.81	9.62	10.5	0.0	
40	PI/2 BPSK	108	0	9.58	9.83	9.67			
40	PI/2 BPSK	108	54	9.60	9.74	9.74			
40	PI/2 BPSK	108	108	9.61	9.78	9.64			
40	PI/2 BPSK	216	0	9.60	9.78	9.75	10.5	0.0	
40	QPSK	1	1	9.76	9.88	9.78			
40	QPSK	1	108	9.71	9.77	9.62			
40	QPSK	1	214	9.64	9.83	9.68			
40	QPSK	108	0	9.69	9.73	9.71	10.5	0.0	
40	QPSK	108	54	9.62	9.84	9.73	10.5	0.0	
40	QPSK	108	108	9.72	9.83	9.75	10.5	0.0	
40	QPSK	216	0	9.73	9.78	9.73			
40	16QAM	1	1	9.67	9.76	9.66			
40	64QAM	1	1	9.64	9.85	9.70			
40	256QAM	1	1	9.72	9.81	9.70	10.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	10.5	0.0	
30	QPSK	1	1	9.62	9.70	9.72	10.5	MPR (dB)	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	9.69	9.71	9.82	10.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	10.5	0.0	
20	PI/2 BPSK	1	1	9.67	9.79	9.64	10.5	MPR (dB)	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	9.67	9.75	9.62	10.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	10.5	0.0	
10	QPSK	1	1	9.73	9.76	9.67	10.5	MPR (dB)	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	9.61	9.81	9.69	10.5	0.0	

n66 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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	15.06	15.15	15.03	16.0	0.0	
40	PI/2 BPSK	1	108	15.10	15.04	14.98			
40	PI/2 BPSK	1	214	15.03	15.11	15.01			
40	PI/2 BPSK	108	0	15.05	15.08	15.10			
40	PI/2 BPSK	108	54	15.00	15.12	15.06	16.0	0.0	
40	PI/2 BPSK	108	108	15.13	15.16	15.05	16.0	0.0	
40	PI/2 BPSK	216	0	15.02	15.18	15.09			
40	QPSK	1	1	15.16	15.21	15.13			
40	QPSK	1	108	15.09	15.12	15.07			
40	QPSK	1	214	15.13	15.05	15.01	16.0	0.0	
40	QPSK	108	0	15.12	15.10	15.05			
40	QPSK	108	54	15.14	15.15	15.06			
40	QPSK	108	108	15.10	15.07	15.10			
40	QPSK	216	0	15.13	15.14	15.11	16.0	0.0	
40	16QAM	1	1	15.10	15.17	14.97	16.0	0.0	
40	64QAM	1	1	15.05	15.14	15.00	16.0	0.0	
40	256QAM	1	1	15.06	15.08	15.04	16.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	16.0	0.0	
30	QPSK	1	1	15.00	15.10	15.08	16.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	16.0	0.0	
20	QPSK	1	1	15.00	15.12	15.10	16.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	16.0	0.0	
15	QPSK	1	1	14.99	15.09	15.06	16.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	16.0	0.0	
10	QPSK	1	1	14.98	15.11	15.08	16.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	16.0	0.0	
5	QPSK	1	1	15.09	15.18	14.98	16.0	0.0	



n38 Ant2								
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				2590.02	2595	2599.98		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	9.95	10.03	9.89		
40	PI2 BPSK	1	53	9.88	10.02	9.92	10.5	0.0
40	PI2 BPSK	1	104	9.89	9.99	9.85		
40	PI2 BPSK	50	0	9.92	9.92	9.91	10.5	0.0
40	PI2 BPSK	50	28	9.88	9.98	9.90	10.5	0.0
40	PI2 BPSK	50	56	9.98	10.00	9.90	10.5	0.0
40	PI2 BPSK	100	0	9.97	9.91	9.81		
40	QPSK	1	1	10.01	10.06	9.96		
40	QPSK	1	53	9.98	9.98	9.84	10.5	0.0
40	QPSK	1	104	9.93	10.02	9.87		
40	QPSK	50	0	9.88	9.88	9.85	10.5	0.0
40	QPSK	50	28	9.86	9.91	9.78	10.5	0.0
40	QPSK	50	56	9.85	9.85	9.80		
40	QPSK	100	0	9.88	10.01	9.82	10.5	0.0
40	16QAM	1	1	9.95	9.93	9.89	10.5	0.0
40	64QAM	1	1	9.87	10.01	9.83	10.5	0.0
40	256QAM	1	1	9.86	9.90	9.81	10.5	0.0
Channel				5170.02	5190.00	5200.99	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				5170.02	5190.00	5200.99		
30	QPSK	1	1	9.89	9.95	9.91	10.5	0.0
Channel				5160.00	5190.00	5220.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				5160.00	5190.00	5220.00		
20	QPSK	1	1	9.90	9.91	9.82	10.5	0.0

n41 PC3 Ant2								
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				5052.02	5185.98	5300.00		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	9.68	9.81	9.82		
100	PI2 BPSK	1	137	9.64	9.70	9.66	10.5	0.0
100	PI2 BPSK	1	271	9.52	9.81	9.59		
100	PI2 BPSK	135	0	9.81	9.74	9.76	10.5	0.0
100	PI2 BPSK	135	69	9.64	9.83	9.72	10.5	0.0
100	PI2 BPSK	135	138	9.72	9.68	9.59	10.5	0.0
100	PI2 BPSK	270	0	9.63	9.68	9.66		
100	QPSK	1	1	9.71	9.66	9.79		
100	QPSK	1	137	9.58	9.75	9.69	10.5	0.0
100	QPSK	1	271	9.51	9.65	9.82		
100	QPSK	135	0	9.66	9.84	9.79	10.5	0.0
100	QPSK	135	69	9.67	9.77	9.80	10.5	0.0
100	QPSK	135	138	9.51	9.72	9.63		
100	QPSK	270	0	9.67	9.73	9.81	10.5	0.0
100	16QAM	1	1	9.68	9.64	9.65	10.5	0.0
100	64QAM	1	1	9.63	9.69	9.80	10.5	0.0
100	256QAM	1	1	9.51	9.82	9.66	10.5	0.0
Channel				5052.02	5185.98	5299.98	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	9.63	9.69	9.73	10.5	0.0
Channel				5072.04	5185.98	5299.98	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2632.02	2692.99	2644.98		
80	QPSK	1	1	9.71	9.82	9.75	10.5	0.0
Channel				5052.00	5185.98	5319.96	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2626.02	2692.99	2650.98		
60	QPSK	1	1	9.67	9.78	9.76	10.5	0.0
Channel				5042.04	5185.98	5329.98	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2612.02	2692.99	2664.99		
50	QPSK	1	1	9.60	9.76	9.73	10.5	0.0
Channel				5032.02	5185.98	5340.00	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2618.01	2692.99	2670		
40	QPSK	1	1	9.65	9.81	9.79	10.5	0.0
Channel				5022.00	5185.98	5359.98	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2612.01	2692.99	2674.98		
30	QPSK	1	1	9.64	9.78	9.75	10.5	0.0
Channel				5012.04	5185.98	5369.98	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2604.02	2692.99	2678.99		
20	QPSK	1	1	9.70	9.71	9.81	10.5	0.0

n41 PC2 Ant2								
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				5032.00	5185.98	5340.00		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	9.73	9.86	9.86		
100	PI2 BPSK	1	137	9.68	9.85	9.78	10.5	0.0
100	PI2 BPSK	1	271	9.67	9.86	9.73		
100	PI2 BPSK	135	0	9.75	9.92	9.86	10.5	0.0
100	PI2 BPSK	135	69	9.74	9.87	9.87	10.5	0.0
100	PI2 BPSK	135	138	9.75	9.86	9.74	10.5	0.0
100	PI2 BPSK	270	0	9.75	9.82	9.72		
100	QPSK	1	1	9.82	9.96	9.80		
100	QPSK	1	137	9.67	9.92	9.76	10.5	0.0
100	QPSK	1	271	9.68	9.80	9.87		
100	QPSK	135	0	9.86	9.90	9.86	10.5	0.0
100	QPSK	135	69	9.89	9.91	9.75	10.5	0.0
100	QPSK	135	138	9.66	9.86	9.73	10.5	0.0
100	QPSK	270	0	9.77	9.79	9.78		
100	16QAM	1	1	9.71	9.79	9.73	10.5	0.0
100	64QAM	1	1	9.72	9.85	9.86	10.5	0.0
100	256QAM	1	1	9.67	9.85	9.78	10.5	0.0
Channel				5032.00	5185.98	5299.98		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	9.72	9.89	9.74	10.5	0.0
Channel				5072.04	5185.98	5299.98		
Frequency (MHz)				2543.02	2592.99	2643.99	Tune-up limit	MPR
80	QPSK	1	1	9.65	9.85	9.74	10.5	0.0
Channel				5052.00	5185.98	5319.96	Tune-up limit	MPR
Frequency (MHz)				2520.26	2592.99	2659.98		
60	QPSK	1	1	9.79	9.93	9.82	10.5	0.0
Channel				5042.04	5185.98	5329.98	Tune-up limit	MPR
Frequency (MHz)				2521.92	2592.99	2664.99		
50	QPSK	1	1	9.75	9.86	9.80	10.5	0.0
Channel				5032.02	5185.98	5340.00	Tune-up limit	MPR
Frequency (MHz)				2533.03	2592.99	2670		
40	QPSK	1	1	9.78	9.80	9.74	10.5	0.0
Channel				5022.00	5185.98	5359.98	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	9.73	9.93	9.81	10.5	0.0
Channel				5012.04	5185.98	5369.98	Tune-up limit	MPR
Frequency (MHz)				2509.29	2592.99	2678.99		
20	QPSK	1	1	9.77	9.81	9.80	10.5	0.0

Part27O n77 PC2 PC3 Ant 3

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)								
100	PI2 BPSK	1	1	10.05	10.07	10.06		
100	PI2 BPSK	1	137	10.03	10.15	10.07	11.5	0.0
100	PI2 BPSK	1	271	10.02	10.12	9.99		
100	PI2 BPSK	135	0	9.93	10.01	10.01	11.5	0.0
100	PI2 BPSK	135	69	10.07	10.02	10.08	11.5	0.0
100	PI2 BPSK	135	138	9.96	10.08	10.09		
100	PI2 BPSK	270	0	10.03	10.14	10.12		
100	QPSK	1	1	10.11	10.19	10.15		
100	QPSK	1	137	10.07	10.15	9.98	11.5	0.0
100	QPSK	1	271	10.00	10.07	10.09		
100	QPSK	135	0	9.95	10.10	10.11	11.5	0.0
100	QPSK	135	69	9.98	10.14	10.13	11.5	0.0
100	QPSK	135	138	10.02	10.11	10.00		
100	QPSK	270	0	10.02	10.11	10.09		
100	16QAM	1	1	9.95	10.10	10.00	11.5	0.0
100	64QAM	1	1	9.98	10.11	10.04	11.5	0.0
100	256QAM	1	1	10.06	10.05	9.98	11.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	10.08	10.07	10.10	11.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	10.05	10.09	10.04	11.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	10.04	10.01	9.97	11.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	10.06	10.10	10.12	11.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	10.09	10.13	10.07	11.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	10.01	10.10	10.06	11.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	9.99	10.04	10.13	11.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	10.08	10.15	10.08	11.5	0.0

Part96 n77 PC3 Ant3

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)								
100	PI2 BPSK	1	1	10.07	10.06	9.94		
100	PI2 BPSK	1	137	9.82	10.01	9.73	11.5	0.0
100	PI2 BPSK	1	271	10.02	9.96	9.79		
100	PI2 BPSK	135	0	9.82	10.00	9.76	11.5	0.0
100	PI2 BPSK	135	69	9.90	9.87	10.10	11.5	0.0
100	PI2 BPSK	135	138	9.99	9.99	9.85		
100	PI2 BPSK	270	0	9.91	9.92	9.99		
100	QPSK	1	1	9.79	10.15	10.12		
100	QPSK	1	137	9.83	10.06	9.78	11.5	0.0
100	QPSK	1	271	9.70	9.82	9.82		
100	QPSK	135	0	9.92	9.99	9.94	11.5	0.0
100	QPSK	135	69	10.06	10.12	9.81	11.5	0.0
100	QPSK	135	138	9.94	9.83	9.84		
100	QPSK	270	0	9.84	10.00	9.94		
100	16QAM	1	1	9.81	10.05	9.98	11.5	0.0
100	64QAM	1	1	9.92	9.98	9.78	11.5	0.0
100	256QAM	1	1	9.98	9.91	10.03	11.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	9.95	9.98	10.00	11.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	9.90	10.04	9.87	11.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	10.08	10.04	9.89	11.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	10.09	10.07	9.92	11.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	9.94	10.10	9.85	11.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	10.07	10.08	9.96	11.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	10.09	10.10	9.86	11.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	9.96	9.95	9.83	11.5	0.0

Part27Q n77 PC2 PC3 Ant 3

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)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		10.25		11.5	0.0
100	PI2 BPSK	1	271		10.18			
100	PI2 BPSK	135	0		10.16		11.5	0.0
100	PI2 BPSK	135	69		10.13		11.5	0.0
100	PI2 BPSK	135	138		10.14		11.5	0.0
100	PI2 BPSK	270	0		10.16		11.5	0.0
100	QPSK	1	1		10.30			
100	QPSK	1	137		10.17		11.5	0.0
100	QPSK	1	271		10.18			
100	QPSK	135	0		10.18		11.5	0.0
100	QPSK	135	69		10.23		11.5	0.0
100	QPSK	135	138		10.16		11.5	0.0
100	QPSK	270	0		10.16			
100	16QAM	1	1		10.17		11.5	0.0
100	64QAM	1	1		10.26		11.5	0.0
100	256QAM	1	1		10.16		11.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	10.07	10.15	10.13	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	10.15	10.26	10.22	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	10.14	10.16	10.13	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	10.18	10.23	10.20	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	630988	633334	636000	Tune-up limit	MPR



Part27O n78 PC2 PC3 Ant 3									
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	PI2 BPSK	1	1		9.79				
100	PI2 BPSK	1	137		9.81		11.5	0.0	
100	PI2 BPSK	1	271		9.75				
100	PI2 BPSK	135	6		9.80		11.5	0.0	
100	PI2 BPSK	135	69		9.82		11.5	0.0	
100	PI2 BPSK	135	138		9.77		11.5	0.0	
100	PI2 BPSK	270	0		9.90				
100	QPSK	1	1		9.93		11.5	0.0	
100	QPSK	1	271		9.76				
100	QPSK	135	0		9.75		11.5	0.0	
100	QPSK	135	69		9.91		11.5	0.0	
100	QPSK	135	138		9.83		11.5	0.0	
100	QPSK	270	0		9.90				
100	16QAM	1	1		9.76		11.5	0.0	
100	64QAM	1	1		9.83		11.5	0.0	
100	256QAM	1	1		9.80		11.5	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		9.82	9.85	9.83	11.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		9.74	9.89	9.71	11.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		9.71	9.89	9.75	11.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		9.68	9.88	9.78	11.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		9.80	9.78	9.82	11.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		9.73	9.79	9.77	11.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		9.73	9.79	9.77	11.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		9.68	9.79	9.83	11.5	0.0

Part96 n78 PC3 Ant3									
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				640000	641666	643334			
Frequency (MHz)				3600	3624.99	3649.98			
100	PI2 BPSK	1	1		9.64	9.72	9.64		
100	PI2 BPSK	1	137		9.58	9.58	9.65	11.5	0.0
100	PI2 BPSK	1	271		9.58	9.59	9.72		
100	PI2 BPSK	135	0		9.54	9.61	9.74	11.5	0.0
100	PI2 BPSK	135	69		9.70	9.67	9.74	11.5	0.0
100	PI2 BPSK	135	138		9.54	9.57	9.73	11.5	0.0
100	PI2 BPSK	270	0		9.72	9.61	9.77		
100	QPSK	1	1		9.61	9.67	9.67		
100	QPSK	1	137		9.72	9.69	9.82	11.5	0.0
100	QPSK	1	271		9.49	9.62	9.54		
100	QPSK	135	0		9.59	9.72	9.58	11.5	0.0
100	QPSK	135	69		9.68	9.75	9.65	11.5	0.0
100	QPSK	135	138		9.64	9.59	9.66		
100	QPSK	270	0		9.61	9.77	9.64	11.5	0.0
100	16QAM	1	1		9.67	9.60	9.53	11.5	0.0
100	64QAM	1	1		9.78	9.73	9.77	11.5	0.0
100	256QAM	1	1		9.57	9.53	9.54	11.5	0.0
Channel				639668	641666	643334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3595.02	3624.99	3755.01			
90	QPSK	1	1		9.57	9.76	9.73	11.5	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3590.01	3624.99	3750			
80	QPSK	1	1		9.50	9.04	9.59	11.5	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3585	3624.99	3664.98			
70	QPSK	1	1		9.78	9.60	9.72	11.5	0.0
Channel				638668	641666	644668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3580.02	3624.99	3669.99			
60	QPSK	1	1		9.57	9.71	9.53	11.5	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3575.01	3624.99	3675			
50	QPSK	1	1		9.72	9.59	9.68	11.5	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3570	3624.99	3679.98			
40	QPSK	1	1		9.69	9.64	9.66	11.5	0.0
Channel				637668	641666	645668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3570.02	3624.99	3674.99			
30	QPSK	1	1		9.64	9.75	9.58	11.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560.01	3624.99	3690			
20	QPSK	1	1		9.54	9.74	9.55	11.5	0.0

Part27Q n78 PC2 PC3 Ant 3									
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				633000	633334	633668			
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		10.18				
100	PI2 BPSK	1	137		10.24		11.5	0.0	
100	PI2 BPSK	1	271		10.16				
100	PI2 BPSK	135	0		10.17		11.5	0.0	
100	PI2 BPSK	135	69		10.24		11.5	0.0	
100	PI2 BPSK	135	138		10.15		11.5	0.0	
100	PI2 BPSK	270	0		10.15			11.5	0.0
100	QPSK	1	1		10.27		11.5	0.0	
100	QPSK	1	137		10.13		11.5	0.0	
100	QPSK	1	271		10.10				
100	QPSK	135	0		10.16		11.5	0.0	
100	QPSK	135	69		10.18		11.5	0.0	
100	QPSK	135	138		10.09		11.5	0.0	
100	QPSK	270	0		10.23				
100	16QAM	1	1		10.21		11.5	0.0	
100	64QAM	1	1		10.12		11.5	0.0	
100	256QAM	1	1		10.21		11.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		10.03	10.16	10.02	11.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		10.05	10.21	10.05	11.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		9.96	10.19	9.99	11.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		10.01	10.22	10.00	11.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		10.01	10.20	10.02	11.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		9.99	10.15	10.08	11.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3533.02			
30	QPSK	1	1		9.98	10.10	10.07	11.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		10.09	10.20	10.07	11.5	0.0

n7 Ant 6									
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				504000	507000	510000	10.5	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	9.62	9.78	9.64			
40	PI/2 BPSK	1	108	9.69	9.80	9.66	10.5	0.0	
40	PI/2 BPSK	1	214	9.62	9.71	9.73			
40	PI/2 BPSK	108	0	9.69	9.72	9.71			
40	PI/2 BPSK	108	54	9.66	9.82	9.63	10.5	0.0	
40	PI/2 BPSK	108	108	9.61	9.84	9.71	10.5	0.0	
40	PI/2 BPSK	216	0	9.62	9.81	9.62			
40	QPSK	1	1	9.74	9.88	9.76			
40	QPSK	1	108	9.61	9.76	9.66	10.5	0.0	
40	QPSK	1	214	9.63	9.81	9.68			
40	QPSK	108	0	9.65	9.70	9.70			
40	QPSK	108	54	9.56	9.85	9.59	10.5	0.0	
40	QPSK	108	108	9.64	9.77	9.64	10.5	0.0	
40	QPSK	216	0	9.63	9.73	9.65			
40	16QAM	1	1	9.57	9.84	9.59			
40	64QAM	1	1	9.56	9.75	9.73	10.5	0.0	
40	256QAM	1	1	9.57	9.80	9.59	10.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	10.5	0.0	
30	QPSK	1	1	9.65	9.75	9.67			
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5	10.5	0.0	
25	QPSK	1	1	9.64	9.78	9.61			
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560	10.5	0.0	
20	PI/2 BPSK	1	1	9.61	9.72	9.71			
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5	10.5	0.0	
15	QPSK	1	1	9.63	9.74	9.68			
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565	10.5	0.0	
10	QPSK	1	1	9.66	9.77	9.65			
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5	10.5	0.0	
5	QPSK	1	1	9.62	9.83	9.64			

n66 Ant 6									
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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	14.21	14.29	14.11	15.0	0.0	
40	PI/2 BPSK	1	108	14.07	14.27	14.05			
40	PI/2 BPSK	1	214	14.17	14.28	14.12			
40	PI/2 BPSK	108	0	14.18	14.22	14.12	15.0	0.0	
40	PI/2 BPSK	108	54	14.13	14.24	14.09	15.0	0.0	
40	PI/2 BPSK	108	108	14.10	14.28	14.19	15.0	0.0	
40	PI/2 BPSK	216	0	14.19	14.23	14.16			
40	QPSK	1	1	14.25	14.38	14.23			
40	QPSK	1	108	14.12	14.36	14.06	15.0	0.0	
40	QPSK	1	214	14.18	14.23	14.08			
40	QPSK	108	0	14.14	14.29	14.18			
40	QPSK	108	54	14.13	14.32	14.13	15.0	0.0	
40	QPSK	108	108	14.10	14.21	14.07	15.0	0.0	
40	QPSK	216	0	14.07	14.23	14.21			
40	16QAM	1	1	14.19	14.30	14.10			
40	64QAM	1	1	14.21	14.24	14.06	15.0	0.0	
40	256QAM	1	1	14.13	14.34	14.05	15.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	14.18	14.25	14.12	15.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	14.17	14.31	14.10	15.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	14.16	14.32	14.10	15.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	14.21	14.21	14.19	15.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	14.20	14.24	14.18	15.0	0.0	

Reduced Power for ENDC

n5 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				166800	167300	167800	19.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	18.48	18.55	18.42	19.0	0.0
20	PI/2 BPSK	1	53	18.42	18.55	18.47		
20	PI/2 BPSK	1	104	18.49	18.61	18.50		
20	PI/2 BPSK	50	0	18.45	18.62	18.36	19.0	0.0
20	PI/2 BPSK	50	28	18.47	18.52	18.47	19.0	0.0
20	PI/2 BPSK	50	56	18.40	18.49	18.38	19.0	0.0
20	PI/2 BPSK	100	0	18.39	18.52	18.35		
20	QPSK	1	1	18.53	18.66	18.52		
20	QPSK	1	53	18.46	18.57	18.36	19.0	0.0
20	QPSK	1	104	18.35	18.61	18.46		
20	QPSK	50	0	18.45	18.55	18.35		
20	QPSK	50	28	18.49	18.59	18.47	19.0	0.0
20	QPSK	50	56	18.48	18.50	18.36	19.0	0.0
20	QPSK	100	0	18.41	18.59	18.44		
20	16QAM	1	1	18.46	18.52	18.37		
20	64QAM	1	1	18.38	18.50	18.44	19.0	0.0
20	256QAM	1	1	18.45	18.53	18.47	19.0	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	18.41	18.55	18.39	19.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	18.41	18.58	18.44	19.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	18.39	18.61	18.40	19.0	0.0

n7 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				504000	507000	510000	9.0	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	8.11	8.25	8.17	9.0	0.0
40	PI/2 BPSK	1	108	8.14	8.25	8.13		
40	PI/2 BPSK	1	214	8.13	8.19	8.23		
40	PI/2 BPSK	108	0	8.13	8.14	8.14		
40	PI/2 BPSK	108	54	8.18	8.18	8.21	9.0	0.0
40	PI/2 BPSK	108	108	8.15	8.19	8.13	9.0	0.0
40	PI/2 BPSK	216	0	8.15	8.30	8.19		
40	QPSK	1	1	8.26	8.32	8.28	9.0	0.0
40	QPSK	1	108	8.23	8.24	8.10		
40	QPSK	1	214	8.10	8.17	8.22		
40	QPSK	108	0	8.21	8.20	8.19		
40	QPSK	108	54	8.13	8.27	8.23	9.0	0.0
40	QPSK	108	108	8.15	8.22	8.17	9.0	0.0
40	QPSK	216	0	8.15	8.23	8.21		
40	16QAM	1	1	8.14	8.23	8.20	9.0	0.0
40	64QAM	1	1	8.14	8.19	8.20	9.0	0.0
40	256QAM	1	1	8.13	8.19	8.16	9.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	9.0	0.0
30	QPSK	1	1	8.13	8.17	8.20	9.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	9.0	0.0
25	QPSK	1	1	8.14	8.27	8.20	9.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	9.0	0.0
20	PI/2 BPSK	1	1	8.11	8.18	8.24	9.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	9.0	0.0
15	QPSK	1	1	8.10	8.28	8.17	9.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	9.0	0.0
10	QPSK	1	1	8.22	8.17	8.22	9.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	9.0	0.0
5	QPSK	1	1	8.24	8.27	8.19	9.0	0.0

n66 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				346000	349000	352000	14.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	13.64	13.65	13.54	14.5	0.0
40	PI/2 BPSK	1	108	13.63	13.54	13.45		
40	PI/2 BPSK	1	214	13.62	13.70	13.51		
40	PI/2 BPSK	108	0	13.53	13.59	13.52		
40	PI/2 BPSK	108	54	13.59	13.65	13.59	14.5	0.0
40	PI/2 BPSK	108	108	13.66	13.64	13.50	14.5	0.0
40	PI/2 BPSK	216	0	13.56	13.66	13.46		
40	QPSK	1	1	13.69	13.72	13.62	14.5	0.0
40	QPSK	1	108	13.54	13.69	13.48		
40	QPSK	1	214	13.56	13.57	13.55		
40	QPSK	108	0	13.52	13.61	13.53		
40	QPSK	108	54	13.55	13.66	13.45	14.5	0.0
40	QPSK	108	108	13.64	13.60	13.45	14.5	0.0
40	QPSK	216	0	13.58	13.67	13.45		
40	16QAM	1	1	13.62	13.55	13.47	14.5	0.0
40	64QAM	1	1	13.55	13.68	13.54	14.5	0.0
40	256QAM	1	1	13.55	13.55	13.54	14.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	14.5	0.0
30	QPSK	1	1	13.63	13.64	13.60	14.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	14.5	0.0
20	QPSK	1	1	13.62	13.60	13.52	14.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	14.5	0.0
15	QPSK	1	1	13.65	13.61	13.48	14.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	14.5	0.0
10	QPSK	1	1	13.60	13.56	13.58	14.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	14.5	0.0
5	QPSK	1	1	13.66	13.65	13.49	14.5	0.0



n38 Ant2									
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				518004	518000	518998	9.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	8.39	8.31	8.32			
40	PI2 BPSK	1	53	8.32	8.34	8.33			
40	PI2 BPSK	1	104	8.32	8.32	8.26	9.0	0.0	
40	PI2 BPSK	50	0	8.28	8.26	8.14	9.0	0.0	
40	PI2 BPSK	50	28	8.27	8.32	8.38	9.0	0.0	
40	PI2 BPSK	50	58	8.26	8.36	8.18	9.0	0.0	
40	PI2 BPSK	100	0	8.30	8.37	8.28	9.0	0.0	
40	QPSK	1	1	8.40	8.41	8.36			
40	QPSK	1	53	8.22	8.21	8.22			
40	QPSK	1	104	8.31	8.38	8.13			
40	QPSK	50	0	8.32	8.33	8.27	9.0	0.0	
40	QPSK	50	28	8.32	8.31	8.25	9.0	0.0	
40	QPSK	50	58	8.24	8.19	8.25	9.0	0.0	
40	QPSK	100	0	8.22	8.23	8.14	9.0	0.0	
40	16QAM	1	1	8.31	8.32	8.20	9.0	0.0	
40	64QAM	1	1	8.32	8.34	8.31	9.0	0.0	
40	256QAM	1	1	8.31	8.37	8.25	9.0	0.0	
Channel				517002	518000	520998	9.0	0.0	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	8.37	8.38	8.28	9.0	0.0	
Channel				516000	516000	522000	9.0	0.0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	8.28	8.33	8.30	9.0	0.0	

n41 PC3 Ant2									
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				509202	518598	520900	9.0	0.0	
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	8.27	8.33	8.37			
100	PI2 BPSK	1	137	8.25	8.30	8.31			
100	PI2 BPSK	1	271	8.22	8.41	8.23	9.0	0.0	
100	PI2 BPSK	135	0	8.17	8.27	8.14	9.0	0.0	
100	PI2 BPSK	135	69	8.23	8.37	8.25	9.0	0.0	
100	PI2 BPSK	135	138	8.22	8.42	8.25	9.0	0.0	
100	PI2 BPSK	270	0	8.15	8.36	8.27	9.0	0.0	
100	QPSK	1	1	8.41	8.45	8.40			
100	QPSK	1	137	8.31	8.41	8.20			
100	QPSK	1	271	8.13	8.35	8.30			
100	QPSK	135	0	8.19	8.33	8.17	9.0	0.0	
100	QPSK	135	69	8.21	8.37	8.27	9.0	0.0	
100	QPSK	135	138	8.27	8.19	8.20	9.0	0.0	
100	QPSK	270	0	8.21	8.26	8.16	9.0	0.0	
100	16QAM	1	1	8.31	8.27	8.37	9.0	0.0	
100	64QAM	1	1	8.24	8.33	8.33	9.0	0.0	
100	256QAM	1	1	8.18	8.32	8.33	9.0	0.0	
Channel				508200	518598	520998	9.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	8.31	8.28	8.40	9.0	0.0	
Channel				507204	518598	520998	9.0	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	8.29	8.34	8.23	9.0	0.0	
Channel				505200	518598	531998	9.0	0.0	
Frequency (MHz)				2526	2592.99	2658.98			
60	QPSK	1	1	8.30	8.35	8.29	9.0	0.0	
Channel				504204	518598	532998	9.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	8.36	8.20	8.41	9.0	0.0	
Channel				503202	518598	534000	9.0	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	8.21	8.30	8.39	9.0	0.0	
Channel				502200	518598	535998	9.0	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	8.28	8.34	8.41	9.0	0.0	
Channel				501204	518598	535998	9.0	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	8.24	8.22	8.41	9.0	0.0	

n41 PC2 Ant2									
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				509202	518598	520900	9.0	0.0	
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	8.41	8.44	8.40			
100	PI2 BPSK	1	137	8.27	8.34	8.34	9.0	0.0	
100	PI2 BPSK	1	271	8.37	8.45	8.35	9.0	0.0	
100	PI2 BPSK	135	0	8.31	8.39	8.30	9.0	0.0	
100	PI2 BPSK	135	69	8.30	8.39	8.29	9.0	0.0	
100	PI2 BPSK	135	138	8.35	8.46	8.39	9.0	0.0	
100	PI2 BPSK	270	0	8.29	8.37	8.31	9.0	0.0	
100	QPSK	1	1	8.44	8.52	8.47			
100	QPSK	1	137	8.40	8.42	8.33			
100	QPSK	1	271	8.28	8.48	8.42			
100	QPSK	135	0	8.30	8.35	8.33	9.0	0.0	
100	QPSK	135	69	8.30	8.37	8.36	9.0	0.0	
100	QPSK	135	138	8.32	8.26	8.30	9.0	0.0	
100	QPSK	270	0	8.32	8.39	8.29	9.0	0.0	
100	16QAM	1	1	8.39	8.35	8.40	9.0	0.0	
100	64QAM	1	1	8.37	8.35	8.38	9.0	0.0	
100	256QAM	1	1	8.28	8.43	8.34	9.0	0.0	
Channel				508200	518598	520998	9.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	8.36	8.36	8.42	9.0	0.0	
Channel				507204	518598	520998	9.0	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	8.29	8.45	8.43	9.0	0.0	
Channel				505200	518598	531998	9.0	0.0	
Frequency (MHz)				2526	2592.99	2658.98			
60	QPSK	1	1	8.34	8.46	8.35	9.0	0.0	
Channel				504204	518598	532998	9.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	8.41	8.49	8.41	9.0	0.0	
Channel				503202	518598	534000	9.0	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	8.33	8.50	8.38	9.0	0.0	
Channel				502200	518598	535998	9.0	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	8.40	8.48	8.39	9.0	0.0	
Channel				501204	518598	535998	9.0	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	8.29	8.46	8.34	9.0	0.0	

Part270 n77 PC2 PC3 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	10.05	10.07	10.06	11.5	0.0	
100	P12 BPSK	1	137	10.03	10.15	10.01			
100	P12 BPSK	1	271	10.02	10.12	9.99			
100	P12 BPSK	135	0	9.93	10.01	10.01	11.5	0.0	
100	P12 BPSK	135	69	10.07	10.02	10.08	11.5	0.0	
100	P12 BPSK	135	138	9.96	10.08	10.09	11.5	0.0	
100	P12 BPSK	270	0	10.03	10.14	10.12			
100	QPSK	1	1	10.11	10.19	10.15			
100	QPSK	1	137	10.07	10.15	9.98	11.5	0.0	
100	QPSK	1	271	10.06	10.07	10.09			
100	QPSK	135	0	9.95	10.10	10.11			
100	QPSK	135	69	9.96	10.14	10.13	11.5	0.0	
100	QPSK	135	138	10.02	10.11	10.00	11.5	0.0	
100	QPSK	270	0	10.02	10.11	10.09			
100	16QAM	1	1	9.95	10.10	10.00	11.5	0.0	
100	64QAM	1	1	9.96	10.11	10.04	11.5	0.0	
100	256QAM	1	1	10.06	10.05	9.98	11.5	0.0	
Channel				649668	650000	662094	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	10.08	10.07	10.10	11.5	0.0	
Channel				649334	650000	662098	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	10.05	10.09	10.04	11.5	0.0	
Channel				649000	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	10.04	10.01	9.97	11.5	0.0	
Channel				648668	650000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	10.06	10.10	10.12	11.5	0.0	
Channel				648334	650000	663998	Tune-up limit	MPR	
Frequency (MHz)				3724.01	3840	3965.02	(dBm)	(dB)	
50	QPSK	1	1	10.09	10.13	10.07	11.5	0.0	
Channel				648000	650000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3970	(dBm)	(dB)	
40	QPSK	1	1	10.01	10.10	10.06	11.5	0.0	
Channel				647668	650000	664334	Tune-up limit	MPR	
Frequency (MHz)				3716.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	9.96	10.04	10.13	11.5	0.0	
Channel				647334	650000	665000	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	10.08	10.15	10.08	11.5	0.0	

Part27Q n77 PC2 PC3 Ant3											
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			11.5	0.0			
Frequency (MHz)				3500.01							
100	PI2 BPSK	1	1		10.25		11.5	0.0			
100	PI2 BPSK	1	137		10.18						
100	PI2 BPSK	1	271		10.25		11.5	0.0			
100	PI2 BPSK	135	0		10.16						
100	PI2 BPSK	135	69		10.13		11.5	0.0			
100	PI2 BPSK	135	138		10.24						
100	PI2 BPSK	270	0		10.16		11.5	0.0			
100	QPSK	1	1		10.30						
100	QPSK	1	137		10.17		11.5	0.0			
100	QPSK	1	271		10.18						
100	QPSK	135	0		10.19		11.5	0.0			
100	QPSK	135	69		10.23						
100	QPSK	135	138		10.16		11.5	0.0			
100	QPSK	270	0		10.16						
100	16QAM	1	1		10.17		11.5	0.0			
100	64QAM	1	1		10.26						
100	256QAM	1	1		10.16		11.5	0.0			
Channel				633000	633334	633668					
Frequency (MHz)				3495	3500.01	3505.02	Tuneup limit (dbm)				
90	QPSK	1	1	10.12	10.25	10.11	11.5				
Channel				632668	633334	634000	Tuneup limit (dbm)				
Frequency (MHz)				3480.02	3500.01	3510	11.5				
80	QPSK	1	1	10.07	10.15	10.13	11.5				
Channel				632334	633334	634334	Tuneup limit (dbm)				
Frequency (MHz)				3485.01	3500.01	3515.01	11.5				
70	QPSK	1	1	10.15	10.26	10.22	11.5				
Channel				632000	633334	634668	Tuneup limit (dbm)				
Frequency (MHz)				3480	3500.01	3520.02	11.5				
60	QPSK	1	1	10.16	10.17	10.18	11.5				
Channel				631668	633334	635000	Tuneup limit (dbm)				
Frequency (MHz)				3475.02	3500.01	3525	11.5				
50	QPSK	1	1	10.14	10.16	10.13	11.5				
Channel				631334	633334	635334	Tuneup limit (dbm)				
Frequency (MHz)				3470.01	3500.01	3530.01	11.5				
40	QPSK	1	1	10.18	10.23	10.20	11.5				
Channel				631000	633334	635668	Tuneup limit (dbm)				
Frequency (MHz)				3465	3500.01	3535.02	11.5				
30	QPSK	1	1	10.19	10.16	10.25	11.5				
Channel				630668	633334	636000	Tuneup limit (dbm)				
Frequency (MHz)				3460.02	3500.01	3540	11.5				
20	QPSK	1	1	10.19	10.23	10.19	11.5				

Part270 n78 PC2 PC3 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 650000	Power Middle Ch./Freq. 650000	Power High Ch./Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI2 BPSK	1	1		9.79		11.5	0.0	
100	PI2 BPSK	1	137		9.81				
100	PI2 BPSK	1	271		9.75				
100	PI2 BPSK	135	0		9.80		11.5	0.0	
100	PI2 BPSK	135	69		9.82		11.5	0.0	
100	PI2 BPSK	135	138		9.77		11.5	0.0	
100	PI2 BPSK	270	0		9.80				
100	QPSK	1	1		9.93		11.5	0.0	
100	QPSK	1	137		9.75				
100	QPSK	1	271		9.75				
100	QPSK	135	0		9.75		11.5	0.0	
100	QPSK	135	69		9.91		11.5	0.0	
100	QPSK	135	138		9.83		11.5	0.0	
100	QPSK	270	0		9.80				
100	16QAM	1	1		9.76		11.5	0.0	
100	64QAM	1	1		9.83		11.5	0.0	
100	256QAM	1	1		9.80		11.5	0.0	
Channel				649688	650000	650334	Tuneup limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	9.82	9.85	9.83	11.5	0.0	
Channel				649334	650000	650668	Tuneup limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	9.74	9.69	9.71	11.5	0.0	
Channel				649000	650000	651000	Tuneup limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	9.71	9.69	9.75	11.5	0.0	
Channel				648688	650000	651334	Tuneup limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	9.68	9.68	9.78	11.5	0.0	
Channel				648334	650000	651668	Tuneup limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	9.80	9.78	9.82	11.5	0.0	
Channel				648000	650000	652000	Tuneup limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	9.73	9.79	9.77	11.5	0.0	
Channel				647688	650000	652334	Tuneup limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	9.73	9.79	9.77	11.5	0.0	
Channel				647334	650000	652668	Tuneup limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	9.68	9.79	9.83	11.5	0.0	

Part27Q n78 PC2 PC3 Ant3								
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				633000	633334	633668	11.5	0.0
Frequency (MHz)				3485.01				
100	PI/2 BPSK	1	1	10.18				
100	PI/2 BPSK	1	137	10.24			11.5	0.0
100	PI/2 BPSK	1	271	10.18				
100	PI/2 BPSK	135	0	10.17				
100	PI/2 BPSK	135	89	10.24			11.5	0.0
100	PI/2 BPSK	135	138	10.15			11.5	0.0
100	PI/2 BPSK	270	0	10.15				
100	QPSK	1	1	10.27				
100	QPSK	1	137	10.13			11.5	0.0
100	QPSK	1	271	10.10			11.5	0.0
100	QPSK	135	0	10.18				
100	QPSK	135	89	10.18				
100	QPSK	135	138	10.08			11.5	0.0
100	QPSK	270	0	10.23			11.5	0.0
100	16QAM	1	1	10.21				
100	64QAM	1	1	10.12				
100	256QAM	1	1	10.21			11.5	0.0
Channel				633000	633334	633668	11.5	0.0
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	10.03	10.18	10.02		
Channel				632668	633334	634000	11.5	0.0
Frequency (MHz)				3489.02	3500.01	3510		
80	QPSK	1	1	10.05	10.21	10.05		
Channel				632334	633334	634334	11.5	0.0
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	9.95	10.19	9.99		
Channel				632000	633334	634668	11.5	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	10.01	10.22	10.00		
Channel				631668	633334	635000	11.5	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	10.01	10.20	10.02		
Channel				631334	633334	635334	11.5	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	9.99	10.15	10.08		
Channel				631000	633334	635668	11.5	0.0
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	9.98	10.10	10.07		
Channel				630668	633334	636000	11.5	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	10.09	10.20	10.07		

n7 Ant 6									
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				504000	507000	510000	10.5	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	9.62	9.78	9.64	10.5	0.0	
40	PI/2 BPSK	1	108	9.69	9.80	9.66			
40	PI/2 BPSK	1	214	9.62	9.71	9.73			
40	PI/2 BPSK	108	0	9.69	9.72	9.71			
40	PI/2 BPSK	108	54	9.66	9.62	9.63	10.5	0.0	
40	PI/2 BPSK	108	108	9.61	9.64	9.71	10.5	0.0	
40	PI/2 BPSK	216	0	9.62	9.61	9.62			
40	QPSK	1	1	9.74	9.88	9.76	10.5	0.0	
40	QPSK	1	108	9.61	9.76	9.66			
40	QPSK	1	214	9.63	9.61	9.68			
40	QPSK	108	0	9.65	9.70	9.70			
40	QPSK	108	54	9.56	9.85	9.59	10.5	0.0	
40	QPSK	108	108	9.64	9.77	9.64	10.5	0.0	
40	QPSK	216	0	9.63	9.73	9.65			
40	16QAM	1	1	9.57	9.84	9.59	10.5	0.0	
40	64QAM	1	1	9.56	9.75	9.73	10.5	0.0	
40	256QAM	1	1	9.57	9.80	9.59	10.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	10.5	0.0	
30	QPSK	1	1	9.65	9.75	9.67	10.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	10.5	0.0	
25	QPSK	1	1	9.64	9.78	9.61	10.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	10.5	0.0	
20	PI/2 BPSK	1	1	9.61	9.72	9.71	10.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	10.5	0.0	
15	QPSK	1	1	9.63	9.74	9.65	10.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	10.5	0.0	
10	QPSK	1	1	9.66	9.77	9.65	10.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	10.5	0.0	
5	QPSK	1	1	9.62	9.83	9.64	10.5	0.0	

n66 Ant 6									
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				346000	349000	352000	17.50	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	14.21	14.29	14.11	15.0	0.0	
40	PI/2 BPSK	1	108	14.07	14.27	14.05			
40	PI/2 BPSK	1	214	14.17	14.28	14.12			
40	PI/2 BPSK	108	0	14.18	14.22	14.12			
40	PI/2 BPSK	108	54	14.13	14.24	14.09	15.0	0.0	
40	PI/2 BPSK	108	108	14.10	14.28	14.19	15.0	0.0	
40	PI/2 BPSK	216	0	14.19	14.23	14.16			
40	QPSK	1	1	14.25	14.38	14.23	15.0	0.0	
40	QPSK	1	108	14.12	14.36	14.06			
40	QPSK	1	214	14.18	14.23	14.08			
40	QPSK	108	0	14.14	14.29	14.18			
40	QPSK	108	54	14.13	14.32	14.13	15.0	0.0	
40	QPSK	108	108	14.10	14.21	14.07	15.0	0.0	
40	QPSK	216	0	14.07	14.23	14.21			
40	16QAM	1	1	14.19	14.30	14.10	15.0	0.0	
40	64QAM	1	1	14.21	14.24	14.06	15.0	0.0	
40	256QAM	1	1	14.13	14.34	14.05	15.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	15.0	0.0	
30	QPSK	1	1	14.18	14.25	14.12	15.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	15.0	0.0	
20	QPSK	1	1	14.17	14.31	14.10	15.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	15.0	0.0	
15	QPSK	1	1	14.16	14.32	14.10	15.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	15.0	0.0	
10	QPSK	1	1	14.21	14.21	14.19	15.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	15.0	0.0	
5	QPSK	1	1	14.20	14.24	14.18	15.0	0.0	

WIFI&BT Power

2.4GHz WLAN			Full power Ant 10		Sensor on Ant 10		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.11	18.50	11.15	13.00	100.00
		6	2437	17.06	18.50	11.23	13.00	
		11	2462	17.34	19.50	11.31	13.00	
	802.11g 6Mbps	1	2412	15.70	17.00	Not Required	13.00	98.28
		6	2437	15.83	17.00		13.00	
		11	2462	15.94	17.00		13.00	
	802.11n-HT20 MCS0	1	2412	13.60	15.00		13.00	98.16
		6	2437	13.62	15.00			
		11	2462	13.73	15.00			
	802.11n-HT40 MCS0	3	2422	12.31	13.50		13.00	94.93
		6	2437	12.60	13.50			
		9	2452	11.02	13.00			

5.2GHz WLAN			Full power Ant 10		Sensor on Ant 10		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	15.76	17.00	12.00	98.28
		40	5200	15.70	17.00	12.00	
		44	5220	15.34	17.00	12.00	
	802.11n-HT20 MCS0	48	5240	15.26	17.00	12.00	98.16
		36	5180	14.53	16.00	12.00	
		40	5200	14.37	16.00	12.00	
	802.11n-HT40 MCS0	44	5220	14.15	15.50	12.00	96.32
		48	5240	14.02	15.50	12.00	
		36	5190	15.47	17.00	Not Required	
	802.11ac-VHT20 MCS0	46	5230	15.41	17.00	12.00	98.16
		36	5180	13.73	15.00	12.00	
		40	5200	13.66	15.00	12.00	
	802.11ac-VHT40 MCS0	44	5220	13.36	15.00	12.00	96.32
		48	5240	13.33	15.00	12.00	
		38	5190	12.44	14.00	12.00	
	802.11ac-VHT80 MCS0	46	5230	12.04	13.50	12.00	93.00
		42	5210	12.21	13.50	10.72	

5.3GHz WLAN			Full power Ant 10		Sensor on Ant 10		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.3GHz WLAN	802.11a 6Mbps	52	5260	15.10	17.00	12.00	98.28	
		56	5280	14.99	17.00	12.00		
		60	5300	15.57	17.00	12.00		
	802.11n-HT20 MCS0	64	5320	15.76	17.00	12.00	98.16	
		52	5260	14.00	16.00	12.00		
		56	5280	13.79	16.00	12.00		
	802.11n-HT40 MCS0	60	5300	14.30	16.00	12.00	96.32	
		64	5320	14.43	16.00	12.00		
		54	5270	14.84	15.50	12.00		
	802.11ac-VHT20 MCS0	82	5310	15.53	17.00	12.00	98.16	
		62	5260	13.22	15.00	12.00		
		56	5280	13.16	15.00	12.00		
	802.11ac-VHT40 MCS0	60	5300	13.60	15.00	12.00	96.32	
		64	5320	13.86	15.00	12.00		
		54	5270	12.10	13.50	12.00		
	802.11ac-VHT80 MCS0	58	5290	11.84	13.50	10.59	12.00	93.00

5.5GHz WLAN			Full power Ant 10		Sensor on Ant 10			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	15.46	17.00	7.00	98.28	
		116	5580	15.86	17.50	7.00		
		124	5620	15.26	17.00	7.00		
		132	5660	15.56	17.00	7.00		
		140	5700	15.72	17.00	7.00		
		144	5720	15.63	17.00	7.00		
	802.11n-HT20 MCS0	100	5500	14.27	16.00	7.00	98.16	
		116	5580	14.52	16.00	7.00		
		124	5620	13.98	15.50	7.00		
		132	5660	14.33	16.00	7.00		
		140	5700	14.46	16.00	7.00		
		144	5720	14.43	16.00	7.00		
	802.11n-HT40 MCS0	102	5510	15.36	17.00	7.00	96.32	
		110	5550	15.97	17.50	7.00		
		126	5630	15.03	16.50	7.00		
		134	5670	15.34	17.00	7.00		
		142	5710	15.54	17.00	7.00		
		100	5500	13.73	15.00	7.00		
	802.11ac-VHT20 MCS0	116	5580	13.87	15.00	7.00	98.16	
		124	5620	13.37	15.00	7.00		
		132	5660	13.66	15.00	7.00		
		140	5700	13.84	15.00	7.00		
		144	5720	13.81	15.00	7.00		
		102	5510	12.64	14.00	7.00		
	802.11ac-VHT40 MCS0	110	5550	12.92	14.50	7.00	96.32	
		126	5630	12.13	13.50	7.00		
		134	5670	12.44	14.00	7.00		
		142	5710	12.67	14.00	7.00		
		106	5530	12.69	14.00	5.96		7.00
		122	5610	11.93	13.50	5.68		7.00
	802.11ac-VHT80 MCS0	138	5690	12.10	13.50	5.89	7.00	93.00

5.8GHz WLAN			Full power Ant 10		Sensor on Ant 10		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	15.59	17.00	8.50	98.28
		157	5785	15.50	17.00	8.50	
		165	5825	15.54	17.00	8.50	
	802.11n-HT20 MCS0	149	5745	14.30	15.50	8.50	98.16
		157	5785	14.20	15.50	8.50	
		165	5825	14.18	15.50	8.50	
	802.11n-HT40 MCS0	151	5755	15.27	16.50	8.50	96.32
		159	5795	15.18	16.50	8.50	
		149	5745	13.65	15.00	8.50	
	802.11ac-VHT20 MCS0	157	5785	13.57	15.00	8.50	98.16
		165	5825	13.54	15.00	8.50	
		151	5755	12.24	13.50	8.50	
	802.11ac-VHT40 MCS0	159	5795	12.13	13.50	8.50	96.32
		155	5775	11.83	13.50	7.23	

BR/EDR			Ant 10			
Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	5.13	1.90	1.76	6.00
	CH 39	2441	3.89	0.71	0.54	5.00
	CH 78	2480	3.98	0.68	0.61	5.00

BT LE			Ant 10
Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	GFSK
	CH 19	2440	4.92
	CH 39	2480	3.69
			3.88
Tune-up Limit			5.50

BT LE		Ant 10	
Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	5.12
		2440	3.66
		2480	3.91
		2480	5.50