

Full & Default Power

GSM900 Amd TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	126	169	251		126	169	251	
Frequency (MHz)	824.2	838.4	848.8	150.2	154.2	158.4	168.8	150.2
GSM 1 Tx slot	31.87	31.95	31.92	33.50	22.87	22.95	22.92	24.50
GPRS 1 Tx slot	31.77	31.86	31.74	33.50	22.77	22.86	22.74	24.50
GPRS 2 Tx slots	28.85	28.88	28.81	29.50	22.95	22.98	22.91	23.50
GPRS 3 Tx slots	27.13	27.17	27.04	28.00	22.87	22.91	22.78	23.74
GPRS 4 Tx slots	25.88	25.94	25.88	27.50	22.88	22.94	22.88	24.50
EDGE 1 Tx slot	26.34	26.40	26.26	27.50	17.34	17.40	17.26	18.50
EDGE 2 Tx slots	25.11	25.22	25.17	26.00	18.11	18.22	18.17	20.00
EDGE 3 Tx slots	23.03	23.07	23.03	24.00	18.77	18.81	18.77	19.74
EDGE 4 Tx slots	21.79	21.85	21.71	23.00	18.78	18.85	18.71	20.00

GSM1900 Amd TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1850	1833.8	150.2	150.2	150	150.8	150.2
GSM 1 Tx slot	28.51	28.55	28.45	28.50	19.51	19.55	19.45	20.50
GPRS 1 Tx slot	28.40	28.50	28.42	29.50	19.40	19.50	19.42	20.50
GPRS 2 Tx slots	25.40	25.52	25.40	26.50	19.40	19.52	19.40	20.50
GPRS 3 Tx slots	23.67	23.78	23.72	26.00	18.41	18.52	18.46	20.74
GPRS 4 Tx slots	22.68	22.71	22.60	24.00	19.68	19.71	19.60	21.00
EDGE 1 Tx slot	24.46	24.60	24.52	25.50	15.46	15.60	15.52	16.50
EDGE 2 Tx slots	23.22	23.28	23.14	24.00	17.22	17.28	17.14	18.00
EDGE 3 Tx slots	20.70	20.81	20.78	22.00	16.44	16.55	16.52	17.74
EDGE 4 Tx slots	19.00	19.06	18.99	20.00	16.06	16.09	15.99	17.00

Band TX Channel	Band Rx Channel	WCDMA 8 Amd			Tune-up Limit (dBm)	WCDMA 9 Amd			Tune-up Limit (dBm)	WCDMA 9 Amd			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Frequency (MHz)	9562	9600	9638	150.2	1537	1638	1738	4357	4407	4458	4508	4558	150.2
3GPP Rel 99	AMR 12.2kops	20.81	20.99	20.97	22.00	20.95	20.98	20.94	22.19	22.27	22.11	22.11	23.00
3GPP Rel 99	RMC 12.2kops	20.88	21.00	20.98	22.00	20.97	20.99	20.96	22.00	22.28	22.12	22.12	23.00
3GPP Rel 6	HSDPA Subtest-1	19.95	20.12	19.73	21.00	19.85	19.80	19.90	21.00	21.24	21.28	21.21	22.00
3GPP Rel 6	HSDPA Subtest-2	19.67	20.11	19.70	21.00	19.75	19.81	19.94	21.00	21.15	21.20	21.04	22.00
3GPP Rel 6	HSDPA Subtest-3	19.48	19.34	19.21	20.50	19.46	19.53	19.43	20.50	20.81	20.85	20.72	21.00
3GPP Rel 6	HSDPA Subtest-4	19.43	19.42	19.30	20.50	19.60	19.35	19.50	20.50	20.80	20.73	20.64	21.50
3GPP Rel 6	DC-HSDPA Subtest-1	19.87	20.12	19.69	21.00	19.63	19.97	19.72	21.00	21.31	21.25	21.07	22.00
3GPP Rel 6	DC-HSDPA Subtest-2	19.68	20.14	20.04	21.00	19.86	20.10	19.92	21.00	21.29	21.34	21.28	22.00
3GPP Rel 6	DC-HSDPA Subtest-3	19.18	19.55	19.26	20.50	19.26	19.56	19.43	20.50	20.75	20.75	20.64	21.00
3GPP Rel 6	DC-HSDPA Subtest-4	19.49	19.38	19.33	20.50	19.58	19.45	19.23	20.50	20.83	20.71	20.51	21.50
3GPP Rel 6	HSUPA Subtest-1	19.93	20.10	19.91	21.00	20.07	20.09	19.71	21.00	21.34	21.37	21.00	22.00
3GPP Rel 6	HSUPA Subtest-2	17.71	17.92	17.97	18.00	18.11	17.71	17.86	19.00	19.12	19.30	19.01	20.00
3GPP Rel 6	HSUPA Subtest-3	18.00	18.12	18.76	20.00	18.92	18.92	18.89	20.00	20.13	20.39	20.01	21.00
3GPP Rel 6	HSUPA Subtest-4	18.00	17.86	17.84	19.00	17.74	18.09	17.98	19.00	19.26	19.38	19.08	20.00
3GPP Rel 6	HSUPA Subtest-5	19.89	19.70	20.02	21.00	20.11	19.71	19.63	21.00	21.32	21.28	21.06	22.00
3GPP Rel 7	HSPA+ (eHSPA) Subtest-1	17.44	17.47	17.57	18.50	17.46	17.17	17.63	18.50	18.64	18.86	18.76	19.00







Band 38 Ant0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit (dBm), MPR (dB). Contains frequency allocation data for Band 38 Ant0.

Band 41 Ant0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit (dBm), MPR (dB). Contains frequency allocation data for Band 41 Ant0.

Band 41 HPUE Ant0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit (dBm), MPR (dB). Contains frequency allocation data for Band 41 HPUE Ant0.



Appendix E

GSM850 Ant1	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
	176	189	251		176	189	251	
TX Channel	594.2	634.4	668.8	624.2	636.4	668.8		
Frequency (MHz)								
GSM 1 Tx slot	31.45	31.57	31.52	33.00	22.45	22.57	22.52	24.00
GPRS 1 Tx slots	31.43	31.51	31.47	33.00	22.43	22.51	22.47	24.00
GPRS 2 Tx slots	28.45	28.52	28.44	29.50	22.45	22.52	22.44	23.50
GPRS 3 Tx slots	26.71	26.80	26.77	27.50	22.45	22.54	22.51	23.24
GPRS 4 Tx slots	25.84	25.77	25.73	27.00	22.84	22.77	22.73	24.00
EDGE 1 Tx slot	26.13	26.21	26.11	27.50	17.13	17.21	17.11	18.50
EDGE 2 Tx slots	24.86	24.94	24.88	26.00	16.86	16.94	16.88	20.00
EDGE 3 Tx slots	22.83	22.97	22.84	24.00	16.57	16.71	16.58	19.74
EDGE 4 Tx slots	21.57	21.61	21.54	22.50	16.57	16.61	16.54	19.50

GSM1900 Ant1	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
	512	661	810		512	661	810	
TX Channel	152.2	153	159.6	152.2	153	159.6		
Frequency (MHz)								
GSM 1 Tx slot	28.83	29.65	29.85	30.50	19.83	19.85	19.82	21.50
GPRS 1 Tx slot	28.77	28.86	28.79	30.50	19.77	19.86	19.79	21.50
GPRS 2 Tx slots	25.82	25.88	25.77	28.50	19.82	19.88	19.77	20.50
GPRS 3 Tx slots	24.00	24.13	24.01	25.00	19.74	19.87	19.76	20.74
GPRS 4 Tx slots	22.77	22.86	22.82	24.50	19.77	19.86	19.82	21.50
EDGE 1 Tx slot	24.69	24.83	24.69	26.00	15.69	15.83	15.69	17.00
EDGE 2 Tx slots	23.44	23.53	23.49	24.50	17.44	17.53	17.49	18.50
EDGE 3 Tx slots	20.81	20.93	20.89	22.00	16.55	16.67	16.53	17.74
EDGE 4 Tx slots	19.46	19.59	19.46	20.50	16.49	16.59	16.49	17.50

Band	TX Channel	WCDMA 3 Ant1			Tune-up Limit (dbm)	WCDMA 4 Ant1			Tune-up Limit (dbm)	WCDMA 5 Ant1			Tune-up Limit (dbm)
		5262	5400	5638		1312	1413	1513		4132	4182	4233	
	Rx Channel	6662	6800	6938	6537	6638	6738	6264	6364	6466			
	Frequency (MHz)	1852.4	1880	1907.6	1742.4	1722.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99	AMR 12.2kops	21.09	21.16	21.15	22.00	21.11	21.12	21.06	22.00	21.69	21.72	21.67	23.00
3GPP Rel 99	RMTC 12.2kops	21.11	21.18	21.17	22.00	21.13	21.14	21.08	22.00	21.71	21.74	21.69	23.00
3GPP Rel 6	HSDPA Subtest-1	20.04	19.94	20.21	21.00	20.18	19.92	20.03	21.00	20.47	20.63	20.68	22.00
3GPP Rel 6	HSDPA Subtest-2	20.11	20.20	20.07	21.00	19.92	20.00	19.98	21.00	20.47	20.56	20.47	22.00
3GPP Rel 6	HSDPA Subtest-3	19.50	19.67	19.48	20.50	19.41	19.45	19.33	20.50	20.05	20.28	19.95	21.50
3GPP Rel 6	HSDPA Subtest-4	19.43	19.57	19.67	20.50	19.63	19.54	19.36	20.50	20.25	20.11	20.13	21.50
3GPP Rel 6	DC-HSDPA Subtest-1	20.10	20.17	20.03	21.00	20.02	20.12	20.05	21.00	20.74	20.75	20.63	22.00
3GPP Rel 6	DC-HSDPA Subtest-2	19.87	20.00	20.11	21.00	19.89	20.02	20.07	21.00	20.47	20.59	20.68	22.00
3GPP Rel 6	DC-HSDPA Subtest-3	19.35	19.50	19.66	20.50	19.54	19.36	19.43	20.50	20.01	20.04	20.02	21.50
3GPP Rel 6	DC-HSDPA Subtest-4	19.63	19.65	19.59	20.50	19.54	19.70	19.57	20.50	20.07	20.22	20.25	21.50
3GPP Rel 6	HSUPA Subtest-1	20.02	20.20	20.03	21.00	20.18	20.17	20.02	21.00	20.48	20.73	20.48	22.00
3GPP Rel 6	HSUPA Subtest-2	17.97	18.13	17.94	19.00	17.99	18.08	17.94	19.00	18.64	18.63	18.67	20.00
3GPP Rel 6	HSUPA Subtest-3	19.03	19.15	19.11	20.00	19.14	19.94	19.88	20.00	19.60	19.62	19.60	21.00
3GPP Rel 6	HSUPA Subtest-4	17.98	17.94	17.98	19.00	17.88	18.14	18.06	19.00	18.47	18.56	18.63	20.00
3GPP Rel 6	HSUPA Subtest-5	20.05	20.21	20.02	21.00	20.14	20.07	19.97	21.00	20.70	20.65	20.71	22.00
3GPP Rel 7	HSUPA (16QAM) Subtest	17.38	17.55	17.50	18.50	17.47	17.48	17.45	18.50	18.14	18.18	17.98	19.50



Table with 13 columns: BW (MHz), Modulation, RB Size, RB Offset, Power Ch./Freq., Power Hq./Ch./Freq., Power Hq./Freq., Tune-up (min), MPR (dB). Contains data for Band 2 Ant1 (20 channels) and Band 3 (14 channels).

Table with 13 columns: BW (MHz), Modulation, RB Size, RB Offset, Power Ch./Freq., Power Hq./Ch./Freq., Power Hq./Freq., Tune-up (min), MPR (dB). Contains data for Band 4 Ant1 (20 channels) and Band 5 (14 channels).

Table with 13 columns: BW (MHz), Modulation, RB Size, RB Offset, Power Ch./Freq., Power Hq./Ch./Freq., Power Hq./Freq., Tune-up (min), MPR (dB). Contains data for Band 5 Ant1 (10 channels).

Table with 13 columns: BW (MHz), Modulation, RB Size, RB Offset, Power Ch./Freq., Power Hq./Ch./Freq., Power Hq./Freq., Tune-up (min), MPR (dB). Contains data for Band 7 Ant1 (20 channels).







Band 38 Ant1

Table for Band 38 Ant1. Columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up (dBm), MPR (dB). Rows include various modulation schemes like QPSK and 16QAM across different RB sizes and offsets.

Band 41 Ant1

Table for Band 41 Ant1. Columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up (dBm), MPR (dB). Rows include various modulation schemes like QPSK and 16QAM across different RB sizes and offsets.

Band 41 HPUE Ant1

Table for Band 41 HPUE Ant1. Columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up (dBm), MPR (dB). Rows include various modulation schemes like QPSK and 16QAM across different RB sizes and offsets.



Appendix E

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	1850	1850.8	30.50	20.42	20.51	20.40	21.50
Frequency (MHz)	1852.2	1850	1849.8	30.50	20.42	20.51	20.40	21.50
GSM-1 Tx slot	29.42	29.51	29.40	30.50	20.42	20.51	20.40	21.50
GPRS-1 Tx slot	29.41	29.45	29.39	30.50	20.41	20.45	20.39	21.50
GPRS-2 Tx slots	29.45	29.48	29.38	27.50	20.45	20.48	20.38	21.50
GPRS-3 Tx slots	24.64	24.74	24.66	25.50	20.38	20.48	20.40	21.24
GPRS-4 Tx slots	23.44	23.48	23.37	24.50	20.44	20.48	20.37	21.50
EDGE-1 Tx slot	25.78	25.85	25.76	27.00	18.78	18.85	18.76	18.00
EDGE-2 Tx slots	24.44	24.58	24.51	25.50	18.44	18.58	18.51	19.50
EDGE-3 Tx slots	21.95	21.98	21.84	23.00	17.69	17.72	17.58	18.74
EDGE-4 Tx slots	20.53	20.66	20.61	21.50	17.53	17.66	17.61	18.50

Band	WCDMA I Ant2			Tune-up Limit (dbm)	WCDMA IV Ant2			Tune-up Limit (dbm)	
	5962	9400	9538		1312	1413	1513		
TX Channel	9662	9600	9538	34.00	1537	1638	1738	20.00	
Rx Channel	9662	9600	9538	34.00	1537	1638	1738	20.00	
Frequency (MHz)	1852.4	1880	1907.6	34.00	1712.4	1732.6	1752.6	20.00	
3GPP Rel 99	AMR-12.2Kbps	22.26	22.30	22.23	24.00	22.21	22.24	22.15	24.00
3GPP Rel 99	AMR-12.2Kbps	22.29	22.32	22.24	24.00	22.22	22.27	22.18	24.00
3GPP Rel 6	HSDPA Subtest-1	21.09	21.38	21.11	23.00	21.03	21.38	21.11	23.00
3GPP Rel 6	HSDPA Subtest-2	21.25	21.27	21.02	23.00	21.22	21.21	21.03	23.00
3GPP Rel 6	HSDPA Subtest-3	20.58	20.75	20.54	22.50	20.56	20.68	20.54	22.50
3GPP Rel 6	HSDPA Subtest-4	20.68	20.78	20.66	22.50	20.66	20.78	20.65	22.50
3GPP Rel 6	DCHSDPA Subtest-1	21.12	21.25	21.08	23.00	21.07	21.21	21.09	22.50
3GPP Rel 6	DCHSDPA Subtest-2	21.19	21.22	21.26	23.00	21.15	21.15	21.20	22.50
3GPP Rel 6	DCHSDPA Subtest-3	20.62	20.63	20.73	22.50	20.59	20.63	20.69	22.00
3GPP Rel 6	DCHSDPA Subtest-4	20.75	20.70	20.62	22.50	20.71	20.70	20.56	22.00
3GPP Rel 6	HSUPA Subtest-1	21.23	21.23	21.07	23.00	21.24	21.22	21.06	23.00
3GPP Rel 6	HSUPA Subtest-2	19.29	19.33	19.08	21.00	19.20	19.25	19.04	21.00
3GPP Rel 6	HSUPA Subtest-3	20.20	20.21	20.17	22.00	20.22	20.12	20.16	22.00
3GPP Rel 6	HSUPA Subtest-4	19.17	19.20	19.04	21.00	19.17	19.27	19.05	21.00
3GPP Rel 6	HSUPA Subtest-5	21.26	21.31	21.22	23.00	21.19	21.32	21.16	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.79	18.84	18.52	20.50	18.73	18.79	18.53	20.50









Appendix E

GSM1900 Ant9 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	812	861	910		812	861	910	
	1859.2	1860	1859.8	30.50	20.69	20.82	20.71	21.50
GSM-1 Tx slot	29.69	29.82	29.71	30.50	20.67	20.76	20.70	21.50
GPRS-1 Tx slots	29.67	29.76	29.70	30.50	20.67	20.76	20.70	21.50
GPRS-2 Tx slots	29.74	29.77	29.83	21.50	20.74	20.77	20.83	21.50
GPRS-3 Tx slots	24.91	25.02	24.98	28.00	20.65	20.76	20.72	21.74
GPRS-4 Tx slots	23.80	23.87	23.85	28.00	20.80	20.87	20.85	22.00
EDGE-1 Tx slot	29.90	29.01	29.91	27.00	19.90	17.01	18.91	18.00
EDGE-2 Tx slots	24.68	24.74	24.83	29.50	19.68	18.74	18.83	19.50
EDGE-3 Tx slots	22.05	22.14	22.12	23.00	17.79	17.88	17.86	18.74
EDGE-4 Tx slots	20.48	20.61	20.57	21.50	17.48	17.61	17.57	18.50

Band TX Channel Rx Channel Frequency (MHz)	WCDMA II Ant9			Tune-up Limit (dBm)	WCDMA IV Ant9			Tune-up Limit (dBm)
	9262	9490	9538		1312	1413	1513	
	9662	9800	9938	1537	1638	1738	22.00	
	1859.4	1860	1857.6	1922.4	1922.6	1923.6	23.00	
3GPP Rel 99 RMC 12.2Kbps	22.18	22.24	22.15	23.00	22.23	22.25	23.00	
3GPP Rel 99	22.21	22.25	22.17	23.00	22.31	22.33	23.00	
3GPP Rel 6 HSDPA Subtest-1	21.22	21.21	21.09	22.00	21.52	21.29	22.00	
3GPP Rel 6 HSDPA Subtest-2	21.11	21.14	20.97	22.00	21.25	21.23	21.01	
3GPP Rel 6 HSDPA Subtest-3	20.58	20.54	20.42	21.50	20.71	20.67	21.50	
3GPP Rel 6 HSDPA Subtest-4	20.50	20.53	20.53	21.50	20.58	20.61	21.50	
3GPP Rel 8 DCHSDPA Subtest-1	21.02	21.14	20.98	22.00	21.07	21.26	22.00	
3GPP Rel 8 DCHSDPA Subtest-2	21.04	21.19	21.22	22.00	21.10	21.33	22.00	
3GPP Rel 8 DCHSDPA Subtest-3	20.65	20.54	20.52	21.50	20.75	20.67	21.50	
3GPP Rel 8 DCHSDPA Subtest-4	20.60	20.61	20.72	21.50	20.65	20.71	21.50	
3GPP Rel 6 HSUPA Subtest-1	21.11	21.02	21.18	22.00	21.17	21.13	22.00	
3GPP Rel 6 HSUPA Subtest-2	19.86	19.13	19.00	20.00	19.05	19.16	20.00	
3GPP Rel 6 HSUPA Subtest-3	20.26	20.24	19.97	21.00	20.37	20.37	21.00	
3GPP Rel 6 HSUPA Subtest-4	19.19	19.17	18.99	20.00	19.32	19.26	20.00	
3GPP Rel 6 HSUPA Subtest-5	21.19	21.30	20.96	22.00	21.32	21.34	22.00	
3GPP Rel 7 HSPA (HSPA) Subtest-1	18.70	18.76	18.83	19.50	18.75	18.83	19.50	







Band 42 FCC Part27Q 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	22.68	22.86	22.79	24	0	
20	QPSK	1	49	22.61	22.79	22.70			
20	QPSK	1	99	22.63	22.73	22.78			
20	QPSK	50	0	21.88	21.95	21.75	23	1	
20	QPSK	50	24	21.89	21.92	21.74			
20	QPSK	50	50	21.78	21.89	21.93			
20	QPSK	100	0	21.83	21.92	21.91	23	1	
20	16QAM	1	0	21.79	21.89	21.91			
20	16QAM	1	49	21.79	22.01	21.83			
20	16QAM	1	99	21.78	21.95	22.01	22	2	
20	16QAM	50	0	20.85	20.95	21.07			
20	16QAM	50	24	21.03	20.96	20.93			
20	16QAM	50	50	20.82	20.96	20.87	22	2	
20	16QAM	100	0	21.01	20.93	20.90			
20	64QAM	1	0	20.43	20.53	20.56			
20	64QAM	1	49	20.64	20.53	20.51	22	2	
20	64QAM	1	99	20.63	20.48	20.47			
20	64QAM	50	0	20.08	19.96	19.98			
20	64QAM	50	24	19.97	19.96	19.96	21	3	
20	64QAM	50	50	20.03	19.92	20.01			
20	64QAM	100	0	19.83	19.94	20.03			
20	256QAM	1	0	17.83	17.75	17.74	19	5	
20	256QAM	1	49	17.85	17.72	17.77			
20	256QAM	1	99	17.82	17.83	17.70			
20	256QAM	50	0	18.06	17.96	18.02	19	5	
20	256QAM	50	24	18.05	17.85	18.04			
20	256QAM	50	50	17.87	17.99	18.08			
20	256QAM	100	0	17.80	17.93	17.97			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	22.51	22.78	22.71	24	0	
15	QPSK	1	37	22.48	22.64	22.54			
15	QPSK	1	74	22.46	22.58	22.63			
15	QPSK	36	0	21.76	21.88	21.60	23	1	
15	QPSK	36	20	21.81	21.85	21.85			
15	QPSK	36	39	21.60	21.76	21.76			
15	QPSK	75	0	21.69	21.80	21.81	23	1	
15	16QAM	1	0	21.75	21.83	21.76			
15	16QAM	1	37	21.60	21.85	21.75			
15	16QAM	1	74	21.71	21.87	21.81	22	2	
15	16QAM	36	0	20.80	20.80	21.01			
15	16QAM	36	20	20.97	20.80	20.77			
15	16QAM	36	39	20.78	20.87	20.75	22	2	
15	16QAM	75	0	20.93	20.87	20.82			
15	64QAM	1	0	20.37	20.44	20.50			
15	64QAM	1	37	20.47	20.45	20.32	22	2	
15	64QAM	1	74	20.48	20.39	20.38			
15	64QAM	36	0	20.00	19.88	19.86			
15	64QAM	36	20	19.87	19.92	19.83	21	3	
15	64QAM	36	39	19.83	19.80	19.90			
15	64QAM	75	0	19.64	19.90	19.89			
15	256QAM	1	0	17.70	17.57	17.96	19	5	
15	256QAM	1	37	17.72	17.54	17.66			
15	256QAM	1	74	17.71	17.55	17.54			
15	256QAM	36	0	17.93	17.84	17.92	19	5	
15	256QAM	36	20	17.89	17.73	17.96			
15	256QAM	36	39	17.67	17.83	17.62			
15	256QAM	75	0	17.64	17.84	17.62			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	22.63	22.78	22.72	24	0	
10	QPSK	1	25	22.45	22.66	22.63			
10	QPSK	1	49	22.43	22.63	22.70			
10	QPSK	25	0	21.71	21.83	21.65	23	1	
10	QPSK	25	12	21.75	21.77	21.56			
10	QPSK	25	25	21.69	21.85	21.79			
10	QPSK	50	0	21.73	21.79	21.84	23	1	
10	16QAM	1	0	21.75	21.81	21.77			
10	16QAM	1	25	21.72	21.92	21.78			
10	16QAM	1	49	21.62	21.90	21.83	22	2	
10	16QAM	25	0	20.75	20.75	20.97			
10	16QAM	25	12	20.85	20.86	20.81			
10	16QAM	25	25	20.75	20.88	20.69	22	2	
10	16QAM	50	0	20.84	20.78	20.82			
10	64QAM	1	0	20.31	20.47	20.47			
10	64QAM	1	25	20.58	20.38	20.36	22	2	
10	64QAM	1	49	20.46	20.32	20.40			
10	64QAM	25	0	19.99	19.86	19.89			
10	64QAM	25	12	19.78	19.94	19.83	21	3	
10	64QAM	25	25	19.85	19.77	19.85			
10	64QAM	50	0	19.71	19.82	19.89			
10	256QAM	1	0	17.71	17.69	17.68	19	5	
10	256QAM	1	25	17.79	17.56	17.64			
10	256QAM	1	49	17.78	17.44	17.56			
10	256QAM	25	0	18.00	17.90	17.95	19	5	
10	256QAM	25	12	17.90	17.69	17.98			
10	256QAM	25	25	17.78	17.85	17.92			
10	256QAM	50	0	17.74	17.82	17.79			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	22.63	22.75	22.73	24	0	
5	QPSK	1	12	22.44	22.74	22.60			
5	QPSK	1	24	22.53	22.64	22.73			
5	QPSK	12	0	21.82	21.81	21.55	23	1	
5	QPSK	12	7	21.71	21.74	21.70			
5	QPSK	12	13	21.65	21.73	21.68			
5	QPSK	25	0	21.76	21.77	21.76	23	1	
5	16QAM	1	0	21.70	21.74	21.86			
5	16QAM	1	12	21.60	21.96	21.77			
5	16QAM	1	24	21.68	21.85	21.84	22	2	
5	16QAM	12	0	20.79	20.79	21.01			
5	16QAM	12	7	20.95	20.76	20.74			
5	16QAM	12	13	20.75	20.81	20.72	22	2	
5	16QAM	25	0	20.93	20.88	20.79			
5	64QAM	1	0	20.25	20.39	20.36			
5	64QAM	1	12	20.80	20.38	20.47	22	2	
5	64QAM	1	24	20.48	20.41	20.37			
5	64QAM	12	0	19.96	19.79	19.94			
5	64QAM	12	7	19.83	19.80	19.84	21	3	
5	64QAM	12	13	19.84	19.87	19.92			
5	64QAM	25	0	19.73	19.89	19.98			
5	256QAM	1	0	17.77	17.58	17.67	19	5	
5	256QAM	1	12	17.77	17.58	17.64			
5	256QAM	1	24	17.82	17.50	17.56			
5	256QAM	12	0	17.96	17.89	17.87	19	5	
5	256QAM	12	7	17.92	17.66	17.96			
5	256QAM	12	13	17.80	17.84	18.02			
5	256QAM	25	0	17.60	17.86	17.77			

Band 42 FCC Part27Q Ant4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.06	20.13	20.07	21	0	
20	QPSK	1	49	20.06	20.04	20.08			
20	QPSK	1	99	20.06	20.12	19.91			
20	QPSK	50	0	19.09	19.18	19.06	20	1	
20	QPSK	50	24	19.10	18.99	18.97			
20	QPSK	50	50	18.92	19.17	18.94			
20	QPSK	100	0	19.09	19.13	19.01	20	1	
20	16QAM	1	0	19.22	19.30	19.40			
20	16QAM	1	49	19.26	19.41	19.38			
20	16QAM	1	99	19.22	19.38	19.24	19	2	
20	16QAM	50	0	18.10	18.15	18.27			
20	16QAM	50	24	18.23	18.09	18.15			
20	16QAM	50	50	18.16	18.19	18.18	20	1	
20	16QAM	100	0	18.04	18.16	18.05			
20	64QAM	1	0	18.09	18.06	17.94			
20	64QAM	1	49	17.96	18.03	18.04	19	2	
20	64QAM	1	99	17.85	18.11	18.19			
20	64QAM	50	0	17.09	17.18	17.08			
20	64QAM	50	24	17.21	17.20	17.20	18	3	
20	64QAM	50	50	17.07	17.14	17.21			
20	64QAM	100	0	17.07	17.12	17.11			
20	256QAM	1	0	15.06	15.10	15.19	16	5	
20	256QAM	1	49	15.16	15.22	15.20			
20	256QAM	1	99	15.18	15.05	15.10			
20	256QAM	50	0	15.14	15.18	15.14	16	5	
20	256QAM	50	24	15.09	15.08	15.18			
20	256QAM	50	50	15.21	15.20	15.15			
20	256QAM	100	0	15.06	15.13	15.22			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.95	19.99	19.93	21	0	
15	QPSK	1	37	19.87	19.95	20.04			
15	QPSK	1	74	19.84	20.02	19.82			
15	QPSK	36	0	18.90	19.02	18.91	20	1	
15	QPSK	36	20	18.93	18.94	18.88			
15	QPSK	36	39	18.81	19.06	18.77			
15	QPSK	75	0	18.99	19.01	18.92	20	1	
15	16QAM	1	0	19.15	19.21	19.35			
15	16QAM	1	37	19.19	19.25	19.30			
15	16QAM	1	74	19.09	19.19	19.06	19	2	
15	16QAM	36	0	17.94	18.08	18.18			
15	16QAM	36	20	18.08	17.90	18.03			
15	16QAM	36	39	18.05	18.03	17.99	19	2	
15	16QAM	75	0	17.91	18.06	17.86			
15	64QAM	1	0	18.05	18.00	17.78			
15	64QAM	1	37	17.79	17.94	17.87	19	2	
15	64QAM	1	74	17.67	17.93	18.02			
15	64QAM	36	0	16.90	17.05	16.97			
15	64QAM	36	20	17.10	17.15	17.01	18	3	
15	64QAM	36	39	17.01	16.95	17.06			
15	64QAM	75	0	16.93	16.98	17.02			
15	256QAM	1	0	14.92	14.92	15.03	16	5	
15	256QAM	1	37	15.00	15.02	15.12			
15	256QAM	1	74	15.08	15.00	14.92			
15	256QAM	36	0	15.09	15.10	15.02	16	5	
15	256QAM	36	20	15.00	14.90	15.03			
15	256QAM	36	39	15.03	15.11	15.07			
15	256QAM	75	0	14.98	14.94	15.05			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	19.88	20.09	20.02	21	0	
10	QPSK	1	25	19.90	19.97	19.96			
10	QPSK	1	49	19.86	20.06	19.82			
10	QPSK	25	0	18.92	19.04	18.92	20	1	
10	QPSK	25	12	19.04	18.87	18.78			
10	QPSK	25	25	18.75	19.12	18.75			
10	QPSK	50	0	18.98	18.99	18.96	20	1	
10	16QAM	1	0	19.03	19.13	19.21			
10	16QAM	1	25	19.05	19.23	19.27			
10	16QAM	1	49	19.09	19.30	19.13	19	2	
10	16QAM	25	0	17.94	18.04	18.18			
10	16QAM	25	12	18.12	17.93	17.88			
10	16QAM	25	25	18.00	18.12	18.04	19	2	
10	16QAM	50	0	17.82	18.02	17.90			
10	64QAM	1	0	18.04	17.90	17.78			
10	64QAM	1	25	17.90	17.88	17.91	19	2	
10	64QAM	1	49	17.78	18.03	18.05			
10	64QAM	25	0	16.99	17.01	17.00			
10	64QAM	25	12	17.16	17.15	17.07	18	3	
10	64QAM	25	25	16.98	17.02	17.05			
10	64QAM	50	0	16.88	17.02	16.99			
10	256QAM	1	0	14.99	14.91	15.07	16	5	
10	256QAM	1	25	15.06	15.12	15.04			
10	256QAM	1	49	15.04	14.99	15.04			
10	256QAM	25	0	15.01	15.10	14.98	16	5	
10	256QAM	25	12	14.98	14.93	14.99			
10	256QAM	25	25	15.16	15.14	14.99			
10	256QAM	50	0	14.92	15.04	15.14			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.00	19.98	19.91	21	0	
5	QPSK	1	12	19.98	19.89	19.96			
5	QPSK	1	24	19.92	19.96	19.82			
5	QPSK	12	0	18.97	18.99	18.98	20	1	
5	QPSK	12	7	19.01	18.85	18.89			
5	QPSK	12	13	18.82	19.00	18.85			
5	QPSK	25	0	18.90	18.98	18.93	20	1	
5	16QAM	1	0	19.17	19.14	19.34			
5	16QAM	1	12	19.20	19.37	19.26			
5	16QAM	1	24	19.08	19.20	19.13	19	2	
5	16QAM	12	0	18.02	18.06	18.18			
5	16QAM	12	7	18.13	17.98	17.97			
5	16QAM	12	13	17.98	18.12	18.09	19	2	
5	16QAM	25	0	17.96	18.06	17.91			
5	64QAM	1	0	17.85	17.89	17.77			
5	64QAM	1	12	17.80	17.98	17.94	19	2	
5	64QAM	1	24	17.86	19.00	18.00			
5	64QAM	12	0	16.90	17.06	16.90			
5	64QAM	12	7	17.12	17.05	17.15	18	3	
5	64QAM	12	13	16.92	16.96	17.14			
5	64QAM	25	0	16.92	17.01	17.05			
5	256QAM	1	0	14.96	14.97	15.03	16	5	
5	256QAM	1	12	15.10	15.11	15.01			
5	256QAM	1	24	15.11	14.96	14.96			
5	256QAM	12	0	14.95	15.08	15.08	16	5	
5	256QAM	12	7	15.04	15.01	15.02			
5	256QAM	12	13	15.01	15.16	15.02			
5	256QAM	25	0	14.93	14.96	15.04			

Band 42 FCC Part27Q Ant8									
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	21.96	22.01	21.88	23	0	
20	QPSK	1	49	21.89	22.00	21.86			
20	QPSK	1	99	21.84	21.83	21.63			
20	QPSK	50	0	20.88	21.09	21.01	22	1	
20	QPSK	50	24	21.04	20.96	20.97			
20	QPSK	50	50	21.04	20.90	21.03			
20	QPSK	100	0	21.00	21.07	20.86	22	1	
20	16QAM	1	0	21.04	20.97	20.89			
20	16QAM	1	49	20.97	21.05	20.94			
20	16QAM	1	99	21.02	21.08	21.08	21	2	
20	16QAM	50	0	20.12	20.09	20.13			
20	16QAM	50	24	20.18	20.08	20.14			
20	16QAM	50	50	20.05	20.18	20.08	20	3	
20	16QAM	100	0	20.21	20.10	20.14			
20	64QAM	1	0	19.84	19.72	19.71			
20	64QAM	1	49	19.66	19.63	19.79	21	2	
20	64QAM	1	99	19.69	19.65	19.70			
20	64QAM	50	0	19.23	19.13	19.08			
20	64QAM	50	24	19.34	19.13	19.12	20	3	
20	64QAM	50	50	19.21	19.10	19.09			
20	64QAM	100	0	19.05	19.08	18.96			
20	256QAM	1	0	16.93	16.85	16.84	18	5	
20	256QAM	1	49	16.95	16.74	16.94			
20	256QAM	1	99	16.95	16.85	16.76			
20	256QAM	50	0	16.99	17.09	17.03	18	5	
20	256QAM	50	24	17.06	17.14	17.19			
20	256QAM	50	50	17.19	16.99	17.18			
20	256QAM	100	0	17.02	17.05	16.94			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	21.82	21.88	21.78	23	0	
15	QPSK	1	37	21.72	21.88	21.78			
15	QPSK	1	74	21.76	21.77	21.56			
15	QPSK	36	0	20.84	20.96	20.88	22	1	
15	QPSK	36	20	20.94	20.86	20.85			
15	QPSK	36	39	20.90	20.83	20.84			
15	QPSK	75	0	20.93	21.01	20.77	22	1	
15	16QAM	1	0	20.87	20.81	20.84			
15	16QAM	1	37	20.90	20.96	20.79			
15	16QAM	1	74	20.82	20.94	20.99	21	2	
15	16QAM	36	0	19.96	19.96	20.03			
15	16QAM	36	20	20.09	20.00	20.01			
15	16QAM	36	39	19.96	19.99	19.90	20	3	
15	16QAM	75	0	20.03	20.02	19.99			
15	64QAM	1	0	19.72	19.60	19.61			
15	64QAM	1	37	19.51	19.50	19.62	21	2	
15	64QAM	1	74	19.56	19.47	19.65			
15	64QAM	36	0	19.16	19.04	18.93			
15	64QAM	36	20	18.84	19.08	18.97	20	3	
15	64QAM	36	39	19.09	18.94	18.93			
15	64QAM	75	0	18.96	19.04	18.85			
15	256QAM	1	0	16.76	16.81	16.72	18	5	
15	256QAM	1	37	16.96	16.54	16.68			
15	256QAM	1	74	16.77	16.75	16.69			
15	256QAM	36	0	16.86	17.00	16.98	18	5	
15	256QAM	36	20	17.00	17.02	17.09			
15	256QAM	36	39	17.01	16.89	17.11			
15	256QAM	75	0	16.83	16.93	16.83			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	21.79	21.89	21.74	23	0	
10	QPSK	1	25	21.84	21.82	21.69			
10	QPSK	1	49	21.70	21.73	21.50			
10	QPSK	25	0	20.71	21.01	20.86	22	1	
10	QPSK	25	12	20.96	20.91	20.90			
10	QPSK	25	25	20.93	20.78	20.87			
10	QPSK	50	0	20.89	20.91	20.82	22	1	
10	16QAM	1	0	20.88	20.90	20.89			
10	16QAM	1	25	20.86	20.96	20.85			
10	16QAM	1	49	20.97	20.92	20.94	21	2	
10	16QAM	25	0	19.94	19.94	19.96			
10	16QAM	25	12	20.05	19.99	20.00			
10	16QAM	25	25	19.85	20.09	20.03	21	2	
10	16QAM	50	0	20.08	19.90	19.84			
10	64QAM	1	0	19.75	19.53	19.61			
10	64QAM	1	25	19.56	19.48	19.59	20	3	
10	64QAM	1	49	19.60	19.46	19.58			
10	64QAM	25	0	19.11	19.04	18.94			
10	64QAM	25	12	18.86	18.94	18.93	18	5	
10	64QAM	25	25	19.12	18.96	19.03			
10	64QAM	50	0	18.94	18.90	18.79			
10	256QAM	1	0	16.81	16.70	16.76	18	5	
10	256QAM	1	25	16.75	16.68	16.81			
10	256QAM	1	49	16.75	16.75	16.68			
10	256QAM	25	0	16.86	16.91	16.84	18	5	
10	256QAM	25	12	16.94	17.01	17.09			
10	256QAM	25	25	17.06	16.79	17.01			
10	256QAM	50	0	16.87	16.89	16.78			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	21.90	21.95	21.74	23	0	
5	QPSK	1	12	21.71	21.85	21.68			
5	QPSK	1	24	21.71	21.76	21.49			
5	QPSK	12	0	20.80	20.94	20.84	22	1	
5	QPSK	12	7	20.86	20.77	20.88			
5	QPSK	12	13	20.86	20.73	20.85			
5	QPSK	25	0	20.81	20.89	20.78	22	1	
5	16QAM	1	0	20.89	20.83	20.80			
5	16QAM	1	12	20.77	20.86	20.77			
5	16QAM	1	24	20.86	20.99	20.88	21	2	
5	16QAM	12	0	20.05	19.89	20.03			
5	16QAM	12	7	19.99	19.99	20.09			
5	16QAM	12	13	19.98	20.14	19.94	21	2	
5	16QAM	25	0	20.13	19.99	20.00			
5	64QAM	1	0	19.74	19.55	19.64			
5	64QAM	1	12	19.57	19.57	19.65	20	3	
5	64QAM	1	24	19.56	19.49	19.59			
5	64QAM	12	0	19.07	18.94	18.98			
5	64QAM	12	7	18.85	18.93	18.99	18	5	
5	64QAM	12	13	19.02	18.93	19.02			
5	64QAM	25	0	18.92	18.94	18.78			
5	256QAM	1	0	16.87	16.89	16.72	18	5	
5	256QAM	1	12	16.89	16.66	16.81			
5	256QAM	1	24	16.75	16.71	16.70			
5	256QAM	12	0	16.89	16.99	17.02	18	5	
5	256QAM	12	7	16.89	16.99	17.02			
5	256QAM	12	13	17.02	16.90	17.11			
5	256QAM	25	0	16.90	16.90	16.77			

Band 42 FCC Part27Q Ant10									
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	21.12	21.33	21.26	22.5	0	
20	QPSK	1	49	20.84	21.25	21.22			
20	QPSK	1	99	21.02	21.19	21.18			
20	QPSK	50	0	20.21	20.33	20.14	21.5	1	
20	QPSK	50	24	20.17	20.26	20.15			
20	QPSK	50	50	20.23	20.21	20.14			
20	QPSK	100	0	20.23	20.31	20.16	21.5	1	
20	16QAM	1	0	20.43	20.44	20.36			
20	16QAM	1	49	20.39	20.49	20.33			
20	16QAM	1	99	20.49	20.51	20.54	20.5	2	
20	16QAM	50	0	19.32	19.35	19.25			
20	16QAM	50	24	19.31	19.39	19.27			
20	16QAM	50	50	19.28	19.42	19.29	20.5	2	
20	16QAM	100	0	19.37	19.34	19.21			
20	64QAM	1	0	19.21	19.24	19.24			
20	64QAM	1	49	19.11	19.24	19.17	20.5	2	
20	64QAM	1	99	19.15	19.22	19.24			
20	64QAM	50	0	18.26	18.37	18.29			
20	64QAM	50	24	18.36	18.38	18.45	19.5	3	
20	64QAM	50	50	18.48	18.46	18.31			
20	64QAM	100	0	18.44	18.32	18.40			
20	256QAM	1	0	16.42	16.29	16.21	17.5	5	
20	256QAM	1	49	16.28	16.38	16.24			
20	256QAM	1	99	16.27	16.22	16.34			
20	256QAM	50	0	16.31	16.38	16.30	17.5	5	
20	256QAM	50	24	16.34	16.43	16.28			
20	256QAM	50	50	16.43	16.31	16.42			
20	256QAM	100	0	16.41	16.32	16.24			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.95	21.23	21.15	22.5	0	
15	QPSK	1	37	20.88	21.14	21.17			
15	QPSK	1	74	20.95	20.97	20.99			
15	QPSK	36	0	20.06	20.22	20.10	21.5	1	
15	QPSK	36	20	20.11	20.12	20.02			
15	QPSK	36	39	20.06	20.05	20.04			
15	QPSK	75	0	20.12	20.18	20.04	21.5	1	
15	16QAM	1	0	20.34	20.37	20.47			
15	16QAM	1	37	20.23	20.43	20.24			
15	16QAM	1	74	20.40	20.36	20.50	20.5	2	
15	16QAM	36	0	19.25	19.23	19.15			
15	16QAM	36	20	19.27	19.31	19.18			
15	16QAM	36	39	19.15	19.30	19.11	20.5	2	
15	16QAM	75	0	19.21	19.26	19.08			
15	64QAM	1	0	19.15	19.13	19.10			
15	64QAM	1	37	19.06	19.18	19.03	20.5	2	
15	64QAM	1	74	19.10	19.17	19.20			
15	64QAM	36	0	18.10	18.28	18.20			
15	64QAM	36	20	18.22	18.28	18.35	19.5	3	
15	64QAM	36	39	18.34	18.34	18.14			
15	64QAM	75	0	18.27	18.19	18.23			
15	256QAM	1	0	16.34	16.20	16.14	17.5	5	
15	256QAM	1	37	16.10	16.32	16.16			
15	256QAM	1	74	16.15	16.16	16.16			
15	256QAM	36	0	16.12	16.33	16.15	17.5	5	
15	256QAM	36	20	16.17	16.36	16.12			
15	256QAM	36	39	16.35	16.25	16.23			
15	256QAM	75	0	16.39	16.24	16.07			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.89	21.21	21.19	22.5	0	
10	QPSK	1	25	20.84	21.15	21.08			
10	QPSK	1	49	20.92	21.01	21.05			
10	QPSK	25	0	20.06	20.24	19.95	21.5	1	
10	QPSK	25	12	20.10	20.17	20.09			
10	QPSK	25	25	20.15	20.04	19.88			
10	QPSK	50	0	20.09	20.23	20.07	21.5	1	
10	16QAM	1	0	20.31	20.30	20.45			
10	16QAM	1	25	20.26	20.41	20.22			
10	16QAM	1	49	20.31	20.43	20.47	20.5	2	
10	16QAM	25	0	19.13	19.21	19.16			
10	16QAM	25	12	19.19	19.26	19.22			
10	16QAM	25	25	19.20	19.34	19.20	20.5	2	
10	16QAM	50	0	19.27	19.17	19.02			
10	64QAM	1	0	19.07	19.06	19.06			
10	64QAM	1	25	19.05	19.13	19.03	20.5	2	
10	64QAM	1	49	19.02	19.09	19.06			
10	64QAM	25	0	18.18	18.26	18.22			
10	64QAM	25	12	18.22	18.23	18.27	19.5	3	
10	64QAM	25	25	18.27	18.40	18.23			
10	64QAM	50	0	18.27	18.17	18.34			
10	256QAM	1	0	16.33	16.13	16.01	17.5	5	
10	256QAM	1	25	16.13	16.21	16.19			
10	256QAM	1	49	16.14	16.12	16.21			
10	256QAM	25	0	16.26	16.20	16.19	17.5	5	
10	256QAM	25	12	16.16	16.26	16.07			
10	256QAM	25	25	16.25	16.24	16.24			
10	256QAM	50	0	16.31	16.20	16.08			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	21.08	21.13	21.13	22.5	0	
5	QPSK	1	12	20.77	21.06	21.16			
5	QPSK	1	24	20.95	21.05	21.14			
5	QPSK	12	0	20.15	20.23	20.05	21.5	1	
5	QPSK	12	7	20.03	20.14	20.08			
5	QPSK	12	13	20.19	20.08	20.03			
5	QPSK	25	0	20.18	20.15	20.09	21.5	1	
5	16QAM	1	0	20.34	20.35	20.49			
5	16QAM	1	12	20.25	20.35	20.13			
5	16QAM	1	24	20.32	20.43	20.50	20.5	2	
5	16QAM	12	0	19.12	19.25	19.08			
5	16QAM	12	7	19.14	19.22	19.14			
5	16QAM	12	13	19.09	19.29	19.19	20.5	2	
5	16QAM	25	0	19.26	19.16	19.05			
5	64QAM	1	0	19.16	19.19	19.18			
5	64QAM	1	12	19.01	19.12	19.12	20.5	2	
5	64QAM	1	24	19.04	19.08	19.14			
5	64QAM	12	0	18.18	18.23	18.20			
5	64QAM	12	7	18.28	18.32	18.31	19.5	3	
5	64QAM	12	13	18.30	18.28	18.14			
5	64QAM	25	0	18.31	18.15	18.27			
5	256QAM	1	0	16.38	16.22	16.01	17.5	5	
5	256QAM	1	12	16.09	16.16	16.05			
5	256QAM	1	24	16.22	16.11	16.28			
5	256QAM	12	0	16.26	16.29	16.21	17.5	5	
5	256QAM	12	7	16.18	16.26	16.14			
5	256QAM	12	13	16.29	16.19	16.26			
5	256QAM	25	0	16.27	16.14	16.08			

Reduced Power Mode for ECI2

GSM850 Ant0 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM1 Tx slot	31.87	31.95	31.92	33.50	22.87	22.95	22.92	24.50
GPRS 1 Tx slot	31.77	31.86	31.74	33.50	22.77	22.86	22.74	24.50
GPRS 2 Tx slots	28.85	28.88	28.81	29.50	22.85	22.88	22.81	23.50
GPRS 3 Tx slots	27.13	27.17	27.04	28.00	22.87	22.91	22.78	23.74
GPRS 4 Tx slots	25.88	25.94	25.88	27.50	22.88	22.94	22.88	24.50
EDGE 1 Tx slot	26.34	26.40	26.26	27.50	17.34	17.40	17.26	18.50
EDGE 2 Tx slots	25.11	25.22	25.17	26.00	19.11	19.22	19.17	20.00
EDGE 3 Tx slots	23.03	23.07	23.03	24.00	18.77	18.81	18.77	19.74
EDGE 4 Tx slots	21.78	21.85	21.71	23.00	18.78	18.85	18.71	20.00

GSM1900 Ant0 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8		
GSM1 Tx slot	28.51	28.55	28.49	29.50	19.51	19.55	19.49	20.50
GPRS 1 Tx slot	28.40	28.50	28.42	29.50	19.40	19.50	19.42	20.50
GPRS 2 Tx slots	25.40	25.52	25.40	26.50	19.40	19.52	19.40	20.50
GPRS 3 Tx slots	23.67	23.78	23.72	25.00	19.41	19.52	19.46	20.74
GPRS 4 Tx slots	22.68	22.71	22.60	24.00	19.68	19.71	19.60	21.00
EDGE 1 Tx slot	24.46	24.60	24.52	25.50	15.46	15.60	15.52	16.50
EDGE 2 Tx slots	23.22	23.26	23.14	24.00	17.22	17.26	17.14	18.00
EDGE 3 Tx slots	20.70	20.81	20.78	22.00	16.44	16.55	16.52	17.74
EDGE 4 Tx slots	19.00	19.06	18.99	20.00	16.00	16.06	15.99	17.00

Band	WCDMA II Ant0			Tune-up Limit (dBm)	WCDMA IV Ant0			Tune-up Limit (dBm)	WCDMA V Ant0			Tune-up Limit (dBm)	
	9202	9400	9538		1312	1413	1513		4192	4182	4233		
TX Channel	9202	9400	9538		1312	1413	1513		4192	4182	4233		
Rx Channel	9552	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	20.81	20.99	20.97	22.00	20.95	20.96	20.84	22.00	22.19	22.27	22.11	23.00
3GPP Rel 99	RMC 12.2Kbps	20.88	21.00	20.98	22.00	20.97	20.99	20.86	22.00	22.21	22.28	22.12	23.00
3GPP Rel 6	HSDPA Subtest-1	19.95	20.12	19.73	21.00	19.85	19.80	19.90	21.00	21.24	21.28	21.21	22.00
3GPP Rel 6	HSDPA Subtest-2	19.67	20.11	19.70	21.00	19.75	19.81	19.94	21.00	21.15	21.20	21.04	22.00
3GPP Rel 6	HSDPA Subtest-3	19.48	19.34	19.21	20.50	19.46	19.53	19.48	20.50	20.81	20.85	20.72	21.50
3GPP Rel 6	HSDPA Subtest-4	19.43	19.42	19.30	20.50	19.60	19.35	19.50	20.50	20.80	20.73	20.64	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	19.87	20.12	19.69	21.00	19.63	19.97	19.72	21.00	21.31	21.25	21.07	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	19.68	20.14	20.04	21.00	19.86	20.10	19.92	21.00	21.25	21.34	21.26	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.16	19.55	19.28	20.50	19.26	19.56	19.43	20.50	20.75	20.75	20.64	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.49	19.38	19.33	20.50	19.58	19.45	19.23	20.50	20.83	20.71	20.51	21.50
3GPP Rel 6	HSUPA Subtest-1	19.93	20.10	19.91	21.00	20.07	20.09	19.71	21.00	21.34	21.37	21.00	22.00
3GPP Rel 6	HSUPA Subtest-2	17.71	17.92	17.97	19.00	18.11	17.71	17.96	19.00	19.12	19.30	19.01	20.00
3GPP Rel 6	HSUPA Subtest-3	19.00	18.72	18.76	20.00	19.92	19.92	19.89	20.00	20.13	20.39	20.01	21.00
3GPP Rel 6	HSUPA Subtest-4	18.00	17.86	17.64	19.00	17.74	18.09	17.98	19.00	19.26	19.38	19.08	20.00
3GPP Rel 6	HSUPA Subtest-5	19.89	19.70	20.02	21.00	20.11	19.71	19.63	21.00	21.32	21.28	21.06	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.44	17.47	17.57	18.50	17.46	17.17	17.03	18.50	18.64	18.86	18.75	19.50







Table for Band 26 for FCC Ant0. Columns: BW (MHz), Modulation, RB Size, RB Offset, Power Ch. / Freq., Power High Ch. / Freq., Power Low Ch. / Freq., Turn-up limit (dB), MPR (dB). Rows include OFDM and 16QAM channels.

Table for Band 26 for FCC Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.

Table for Band 26 for FCC Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.

Table for Band 26 for FCC Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.

Table for Band 26 for FCC Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.

Table for Band 26 for FCC Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.

Table for Band 66 Ant0. Columns: BW (MHz), Modulation, RB Size, RB Offset, Power Ch. / Freq., Power High Ch. / Freq., Power Low Ch. / Freq., Turn-up limit (dB), MPR (dB). Rows include OFDM and 16QAM channels.

Table for Band 66 Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.

Table for Band 66 Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.

Table for Band 66 Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.

Table for Band 66 Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.

Table for Band 66 Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.

Table for Band 71 Ant0. Columns: BW (MHz), Modulation, RB Size, RB Offset, Power Ch. / Freq., Power High Ch. / Freq., Power Low Ch. / Freq., Turn-up limit (dB), MPR (dB). Rows include OFDM and 16QAM channels.

Table for Band 71 Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.

Table for Band 71 Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.

Table for Band 71 Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.

Table for Band 71 Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.

Table for Band 71 Ant0 (continued). Rows include OFDM and 16QAM channels with various parameters.



Band 38 Ant0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Freq), Power Middle Ch. (Freq), Power High Ch. (Freq), Tune-up limit (dBm), MPR (dB). Contains data for various antenna configurations and power levels.

Band 41 Ant0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Freq), Power Middle Ch. (Freq), Power High Ch. (Freq), Tune-up limit (dBm), MPR (dB). Contains data for various antenna configurations and power levels.

Band 41 HPUE Ant0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Freq), Power Middle Ch. (Freq), Power High Ch. (Freq), Tune-up limit (dBm), MPR (dB). Contains data for various antenna configurations and power levels.

GSM850 Ant1	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	128	189	251		128	189	251	
TX Channel	128	189	251	33.00	22.45	22.52	22.52	24.00
Frequency (MHz)	824.2	833.4	842.6					
GSM1 Tx slot	31.43	31.57	31.52	33.00	22.45	22.52	22.52	24.00
GPRS 1 Tx slot	31.43	31.51	31.47	33.00	22.43	22.51	22.47	24.00
GPRS 2 Tx slots	28.45	28.52	28.44	29.50	22.45	22.52	22.44	23.50
GPRS 3 Tx slots	26.71	26.80	26.77	27.50	22.45	22.54	22.51	23.24
GPRS 4 Tx slots	25.64	25.77	25.73	27.00	22.64	22.77	22.73	24.00
EDGE 1 Tx slot	26.13	26.21	26.11	27.50	17.13	17.21	17.11	18.50
EDGE 2 Tx slots	24.86	24.94	24.88	26.00	18.86	18.94	18.88	20.00
EDGE 3 Tx slots	22.83	22.91	22.84	24.50	18.57	18.71	18.58	19.74
EDGE 4 Tx slots	21.57	21.61	21.54	22.50	18.57	18.61	18.54	19.50

GSM1900 Ant1	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	512	661	810		512	661	810	
TX Channel	512	661	810	26.10	15.87	15.95	15.95	17.10
Frequency (MHz)	1850.2	1850	1849.8					
GSM1 Tx slot	24.97	25.01	24.85	26.10	15.87	16.01	15.85	17.10
GPRS 1 Tx slot	24.85	24.99	24.93	26.10	15.85	15.99	15.93	17.10
GPRS 2 Tx slots	21.83	21.86	21.80	22.10	15.83	15.86	15.80	16.10
GPRS 3 Tx slots	19.98	20.06	20.04	20.60	15.72	15.80	15.78	16.34
GPRS 4 Tx slots	18.89	18.97	18.90	20.10	15.89	15.97	15.90	17.10
EDGE 1 Tx slot	23.19	23.33	23.19	24.50	14.19	14.33	14.19	15.50
EDGE 2 Tx slots	21.94	22.03	21.99	23.00	15.94	16.03	15.99	17.00
EDGE 3 Tx slots	19.31	19.43	19.39	20.50	15.05	15.17	15.13	16.24
EDGE 4 Tx slots	17.99	18.09	17.99	19.00	14.99	15.09	14.99	16.00

Band	TX Channel	WCDMA II Ant1			Tune-up Limit (dBm)	WCDMA IV Ant1			Tune-up Limit (dBm)	WCDMA V Ant1			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513		4132	4182	4233	
	Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
	Frequency (MHz)	1820.4	1820	1819.6		1722.4	1722.6	1722.8		4262.4	4262.4	4262.6	
3GPP Rel 99	AMR 12.2Kbps	14.84	14.87	14.80	16.10	15.25	15.28	15.20	16.20	21.68	21.72	21.67	23.00
3GPP Rel 99	RMC 12.2Kbps	14.86	14.88	14.82	16.10	15.26	15.28	15.21	16.20	21.71	21.74	21.69	23.00
3GPP Rel 6	HSDPA Subtest-1	13.73	13.61	13.82	15.10	14.35	14.09	14.19	15.20	20.47	20.63	20.68	22.00
3GPP Rel 6	HSDPA Subtest-2	13.81	13.84	13.85	15.10	14.15	14.20	14.24	15.20	20.47	20.56	20.47	22.00
3GPP Rel 6	HSDPA Subtest-3	13.27	13.32	13.15	14.60	13.62	13.65	13.59	14.70	20.05	20.28	19.95	21.50
3GPP Rel 6	HSDPA Subtest-4	13.06	13.33	13.45	14.60	13.86	13.66	13.49	14.70	20.25	20.11	20.13	21.50
3GPP Rel 6	DCHSDPA Subtest-1	13.83	13.92	13.71	15.10	14.27	14.31	14.18	15.20	20.74	20.75	20.63	22.00
3GPP Rel 6	DCHSDPA Subtest-2	13.52	13.75	13.83	15.10	14.04	14.20	14.24	15.20	20.47	20.59	20.68	22.00
3GPP Rel 6	DCHSDPA Subtest-3	13.06	13.21	13.23	14.60	13.72	13.56	13.50	14.70	20.01	20.04	20.02	21.50
3GPP Rel 6	DCHSDPA Subtest-4	13.29	13.34	13.31	14.60	13.75	13.96	13.72	14.70	20.07	20.22	20.25	21.50
3GPP Rel 6	HSUPA Subtest-1	13.66	13.97	13.75	15.10	14.28	14.31	14.19	15.20	20.46	20.73	20.48	22.00
3GPP Rel 6	HSUPA Subtest-2	11.66	11.81	11.56	13.10	12.25	12.36	12.10	13.20	18.64	18.63	18.67	20.00
3GPP Rel 6	HSUPA Subtest-3	12.66	12.84	12.80	14.10	13.32	13.10	13.12	14.20	19.60	19.62	19.60	21.00
3GPP Rel 6	HSUPA Subtest-4	11.61	11.59	11.72	13.10	12.04	12.35	12.32	13.20	18.47	18.56	18.63	20.00
3GPP Rel 6	HSUPA Subtest-5	13.67	13.91	13.78	15.10	14.29	14.28	14.11	15.20	20.70	20.85	20.71	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	11.03	11.22	11.27	12.60	11.64	11.69	11.65	12.70	18.14	18.18	17.98	19.50







Band 38 Ant1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit (dBm), MPR (dB). Contains frequency allocation data for Band 38 Ant1.

Band 41 Ant1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit (dBm), MPR (dB). Contains frequency allocation data for Band 41 Ant1.

Band 41 HPUE Ant1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit (dBm), MPR (dB). Contains frequency allocation data for Band 41 HPUE Ant1.

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	512	661	810	Limit	512	661	810	Limit
Frequency (MHz)	1850.2	1860	1909.3	(dBm)	1850.2	1860	1909.3	(dBm)
GSM 1 Tx slot	29.42	29.51	29.40	30.50	20.42	20.51	20.40	21.50
GPRS 1 Tx slot	29.41	29.45	29.39	30.50	20.41	20.45	20.39	21.50
GPRS 2 Tx slots	26.45	26.48	26.36	27.50	20.45	20.48	20.36	21.50
GPRS 3 Tx slots	24.64	24.74	24.66	25.50	20.38	20.48	20.40	21.24
GPRS 4 Tx slots	23.44	23.48	23.37	24.50	20.44	20.48	20.37	21.50
EDGE 1 Tx slot	25.78	25.85	25.76	27.00	16.78	16.85	16.76	18.00
EDGE 2 Tx slots	24.44	24.58	24.51	25.50	18.44	18.58	18.51	19.50
EDGE 3 Tx slots	21.95	21.98	21.84	23.00	17.99	17.72	17.58	18.74
EDGE 4 Tx slots	20.53	20.66	20.61	21.50	17.53	17.66	17.61	18.50

Band	TX Channel	WCDMA II Ant2			Tune-up Limit (dBm)	WCDMA IV Ant2			Tune-up Limit (dBm)
		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	22.26	22.30	22.23	24.00	22.21	22.24	22.15	24.00
3GPP Rel 99	RMC 12.2Kbps	22.29	22.32	22.24	24.00	22.22	22.27	22.18	24.00
3GPP Rel 6	HSDPA Subtest-1	21.09	21.36	21.11	23.00	21.03	21.39	21.11	23.00
3GPP Rel 6	HSDPA Subtest-2	21.25	21.27	21.02	23.00	21.22	21.21	21.03	23.00
3GPP Rel 6	HSDPA Subtest-3	20.58	20.75	20.54	22.50	20.56	20.68	20.54	22.50
3GPP Rel 6	HSDPA Subtest-4	20.68	20.78	20.66	22.50	20.66	20.78	20.65	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.12	21.25	21.08	23.00	21.07	21.21	21.09	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.19	21.22	21.26	23.00	21.15	21.15	21.20	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	20.62	20.63	20.73	22.50	20.56	20.63	20.69	22.00
3GPP Rel 8	DC-HSDPA Subtest-4	20.75	20.70	20.62	22.50	20.71	20.70	20.56	22.00
3GPP Rel 6	HSUPA Subtest-1	21.23	21.23	21.07	23.00	21.24	21.22	21.06	23.00
3GPP Rel 6	HSUPA Subtest-2	19.29	19.33	19.08	21.00	19.20	19.25	19.04	21.00
3GPP Rel 6	HSUPA Subtest-3	20.20	20.21	20.17	22.00	20.22	20.12	20.16	22.00
3GPP Rel 6	HSUPA Subtest-4	19.17	19.29	19.04	21.00	19.17	19.27	19.05	21.00
3GPP Rel 6	HSUPA Subtest-5	21.26	21.31	21.22	23.00	21.19	21.32	21.16	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.79	18.84	18.52	20.50	18.73	18.79	18.53	20.50







GSM1900 Ant9	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	Limit	512	661	810	Limit
Frequency (MHz)	1850.2	1860	1869.8	(dBm)	1850.2	1860	1869.8	(dBm)
GSM 1 Tx slot	29.69	29.82	29.71	30.50	29.69	29.82	29.71	21.50
GPRS 1 Tx slot	29.67	29.76	29.70	30.50	29.67	29.76	29.70	21.50
GPRS 2 Tx slots	26.74	26.77	26.63	27.50	26.74	26.77	26.63	21.50
GPRS 3 Tx slots	24.91	25.02	24.98	26.00	24.91	25.02	24.98	21.74
GPRS 4 Tx slots	23.80	23.87	23.85	25.00	23.80	23.87	23.85	22.00
EDGE 1 Tx slot	25.90	26.01	25.91	27.00	25.90	26.01	25.91	18.00
EDGE 2 Tx slots	24.68	24.74	24.63	25.50	24.68	24.74	24.63	19.50
EDGE 3 Tx slots	22.05	22.14	22.12	23.00	22.05	22.14	22.12	18.74
EDGE 4 Tx slots	20.48	20.61	20.57	21.50	20.48	20.61	20.57	18.50

Band	WCDMA II Ant9			Tune-up Limit (dBm)	WCDMA IV Ant9			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9262	9400	9538	Limit	1312	1413	1513	Limit
Rx Channel	9662	9800	9938	(dBm)	1537	1638	1738	(dBm)
Frequency (MHz)	1852.4	1860	1867.6		1722.4	1722.6	1722.6	
3GPP Rel 99	AMR 12.2Kbps	20.88	20.74	20.65	22.00	22.23	22.29	22.25
3GPP Rel 99	RMK 12.2Kbps	20.71	20.75	20.67	22.00	22.31	22.33	22.28
3GPP Rel 6	HSDPA Subtest-1	19.72	19.71	19.53	21.00	21.32	21.29	21.14
3GPP Rel 6	HSDPA Subtest-2	19.61	19.64	19.47	21.00	21.25	21.23	21.01
3GPP Rel 6	HSDPA Subtest-3	19.08	19.04	18.92	20.50	20.71	20.67	20.44
3GPP Rel 6	HSDPA Subtest-4	19.00	19.03	19.03	20.50	20.58	20.61	20.66
3GPP Rel 8	DC-HSDPA Subtest-1	19.52	19.64	19.48	21.00	21.07	21.26	21.07
3GPP Rel 8	DC-HSDPA Subtest-2	19.54	19.69	19.72	21.00	21.10	21.33	21.24
3GPP Rel 8	DC-HSDPA Subtest-3	19.15	19.04	19.02	20.50	20.75	20.67	20.62
3GPP Rel 8	DC-HSDPA Subtest-4	19.10	19.11	19.22	20.50	20.65	20.71	20.75
3GPP Rel 6	HSUPA Subtest-1	19.61	19.52	19.68	21.00	21.17	21.13	21.29
3GPP Rel 6	HSUPA Subtest-2	17.46	17.63	17.50	19.00	19.05	19.16	19.09
3GPP Rel 6	HSUPA Subtest-3	18.76	18.74	18.47	20.00	20.37	20.37	20.03
3GPP Rel 6	HSUPA Subtest-4	17.69	17.67	17.49	19.00	19.32	19.26	19.09
3GPP Rel 6	HSUPA Subtest-5	19.69	19.80	19.46	21.00	21.32	21.34	20.98
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.20	17.26	17.13	18.50	18.75	18.83	18.70







Band 42 FCC Part27Q 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				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.57	17.62	17.56	18.6	0
20	QPSK	1	49	17.41	17.58	17.48		
20	QPSK	1	99	17.41	17.58	17.59		
20	QPSK	50	0	17.40	17.58	17.38	18.6	0
20	QPSK	50	24	17.44	17.57	17.56		
20	QPSK	50	50	17.36	17.45	17.39		
20	QPSK	100	0	17.57	17.56	17.43	18.6	0
20	16QAM	1	0	17.57	17.45	17.44		
20	16QAM	1	49	17.41	17.46	17.54		
20	16QAM	1	99	17.49	17.36	17.37	18.6	0
20	16QAM	50	0	17.56	17.59	17.39		
20	16QAM	50	24	17.54	17.44	17.58		
20	16QAM	50	50	17.44	17.39	17.36	18.6	0
20	16QAM	100	0	17.59	17.45	17.40		
20	64QAM	1	0	17.55	17.47	17.50		
20	64QAM	1	49	17.57	17.39	17.57	18.6	0
20	64QAM	1	99	17.60	17.44	17.44		
20	64QAM	50	0	17.42	17.49	17.54		
20	64QAM	50	24	17.38	17.45	17.41	18.6	0
20	64QAM	50	50	17.52	17.49	17.39		
20	64QAM	100	0	17.55	17.55	17.44		
20	256QAM	1	0	16.83	16.75	16.74	18.6	0
20	256QAM	1	49	16.85	16.72	16.77		
20	256QAM	1	99	16.82	16.83	16.70		
20	256QAM	50	0	17.06	16.96	17.02	18.6	0
20	256QAM	50	24	17.05	16.85	17.04		
20	256QAM	50	50	16.87	16.99	17.08		
20	256QAM	100	0	16.80	16.93	16.97		
Channel				42165	42590	43015		
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	17.45	17.44	17.42	18.6	0
15	QPSK	1	37	17.36	17.38	17.37		
15	QPSK	1	74	17.35	17.53	17.40		
15	QPSK	36	0	17.21	17.49	17.20	18.6	0
15	QPSK	36	20	17.26	17.38	17.49		
15	QPSK	36	39	17.33	17.26	17.23		
15	QPSK	75	0	17.32	17.49	17.24	18.6	0
15	16QAM	1	0	17.51	17.35	17.36		
15	16QAM	1	37	17.35	17.24	17.52		
15	16QAM	1	74	17.28	17.22	17.20	18.6	0
15	16QAM	36	0	17.52	17.54	17.24		
15	16QAM	36	20	17.46	17.26	17.51		
15	16QAM	36	39	17.35	17.22	17.17	18.6	0
15	16QAM	75	0	17.40	17.33	17.19		
15	64QAM	1	0	17.51	17.32	17.36		
15	64QAM	1	37	17.51	17.23	17.52	18.6	0
15	64QAM	1	74	17.48	17.31	17.40		
15	64QAM	36	0	17.28	17.31	17.37		
15	64QAM	36	20	17.18	17.36	17.23	18.6	0
15	64QAM	36	39	17.31	17.30	17.32		
15	64QAM	75	0	17.42	17.39	17.39		
15	256QAM	1	0	16.70	16.57	16.56	18.6	0
15	256QAM	1	37	16.72	16.54	16.55		
15	256QAM	1	74	16.71	16.55	16.54		
15	256QAM	36	0	16.83	16.84	16.92	18.6	0
15	256QAM	36	20	16.89	16.73	16.86		
15	256QAM	36	39	16.67	16.83	16.92		
15	256QAM	75	0	16.64	16.84	16.92		
Channel				42140	42590	43040		
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	17.48	17.43	17.51	18.6	0
10	QPSK	1	25	17.29	17.46	17.40		
10	QPSK	1	49	17.30	17.39	17.47		
10	QPSK	25	0	17.36	17.45	17.27	18.6	0
10	QPSK	25	12	17.34	17.46	17.36		
10	QPSK	25	25	17.21	17.25	17.34		
10	QPSK	50	0	17.20	17.50	17.24	18.6	0
10	16QAM	1	0	17.46	17.33	17.38		
10	16QAM	1	25	17.30	17.26	17.43		
10	16QAM	1	49	17.31	17.27	17.22	18.6	0
10	16QAM	25	0	17.53	17.52	17.35		
10	16QAM	25	12	17.34	17.26	17.45		
10	16QAM	25	25	17.40	17.36	17.25	18.6	0
10	16QAM	50	0	17.55	17.35	17.24		
10	64QAM	1	0	17.50	17.36	17.32		
10	64QAM	1	25	17.50	17.36	17.45	18.6	0
10	64QAM	1	49	17.58	17.41	17.26		
10	64QAM	25	0	17.31	17.35	17.50		
10	64QAM	25	12	17.22	17.41	17.38	18.6	0
10	64QAM	25	25	17.32	17.29	17.37		
10	64QAM	50	0	17.40	17.44	17.29		
10	256QAM	1	0	16.71	16.69	16.68	18.6	0
10	256QAM	1	25	16.79	16.56	16.64		
10	256QAM	1	49	16.78	16.44	16.56		
10	256QAM	25	0	17.00	16.90	16.95	18.6	0
10	256QAM	25	12	16.90	16.68	16.88		
10	256QAM	25	25	16.78	16.85	16.92		
10	256QAM	50	0	16.74	16.82	16.79		
Channel				42115	42590	43065		
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	17.36	17.51	17.45	18.6	0
5	QPSK	1	12	17.33	17.41	17.28		
5	QPSK	1	24	17.21	17.53	17.48		
5	QPSK	12	0	17.27	17.43	17.29	18.6	0
5	QPSK	12	7	17.24	17.54	17.51		
5	QPSK	12	13	17.26	17.34	17.20		
5	QPSK	25	0	17.32	17.45	17.28	18.6	0
5	16QAM	1	0	17.43	17.43	17.23		
5	16QAM	1	12	17.34	17.30	17.52		
5	16QAM	1	24	17.28	17.26	17.22	18.6	0
5	16QAM	12	0	17.51	17.41	17.31		
5	16QAM	12	7	17.43	17.40	17.54		
5	16QAM	12	13	17.24	17.19	17.33	18.6	0
5	16QAM	25	0	17.48	17.25	17.22		
5	64QAM	1	0	17.52	17.26	17.45		
5	64QAM	1	12	17.41	17.33	17.40	18.6	0
5	64QAM	1	24	17.44	17.29	17.38		
5	64QAM	12	0	17.20	17.39	17.45		
5	64QAM	12	7	17.36	17.33	17.20	18.6	0
5	64QAM	12	13	17.47	17.39	17.25		
5	64QAM	25	0	17.48	17.49	17.35		
5	256QAM	1	0	16.77	16.58	16.67	18.6	0
5	256QAM	1	12	16.77	16.58	16.64		
5	256QAM	1	24	16.62	16.50	16.56		
5	256QAM	12	0	16.96	16.89	16.87	18.6	0
5	256QAM	12	7	16.92	16.66	16.96		
5	256QAM	12	13	16.80	16.84	17.02		
5	256QAM	25	0	16.60	16.86	16.77		

Band 42 FCC Part27Q Ant4								
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	17.19	17.22	17.14	18.3	0
20	QPSK	1	49	17.03	17.08	17.09		
20	QPSK	1	99	17.15	17.16	16.95		
20	QPSK	50	0	16.94	17.19	17.12	18.3	0
20	QPSK	50	24	17.13	17.09	17.15		
20	QPSK	50	50	17.08	17.10	17.18		
20	QPSK	100	0	17.03	17.15	16.96	18.3	0
20	16QAM	1	0	17.06	17.18	17.05		
20	16QAM	1	49	17.05	17.19	17.00		
20	16QAM	1	99	17.14	16.94	16.96	18.3	0
20	16QAM	50	0	17.10	17.15	17.17		
20	16QAM	50	24	17.13	17.09	17.15		
20	16QAM	50	50	17.16	17.19	17.18	18.3	0
20	16QAM	100	0	17.04	17.16	17.05		
20	64QAM	1	0	17.09	17.06	16.94		
20	64QAM	1	49	16.96	17.03	17.04	18.3	0
20	64QAM	1	99	16.95	17.11	17.19		
20	64QAM	50	0	16.69	16.78	16.68		
20	64QAM	50	24	16.81	16.80	16.80	18.3	0
20	64QAM	50	50	16.67	16.74	16.81		
20	64QAM	100	0	16.67	16.72	16.71		
20	256QAM	1	0	15.06	15.10	15.19	16.3	2
20	256QAM	1	49	15.16	15.22	15.20		
20	256QAM	1	99	15.19	15.05	15.10		
20	256QAM	50	0	15.14	15.18	15.14	16.3	2
20	256QAM	50	24	15.09	15.08	15.18		
20	256QAM	50	50	15.21	15.20	15.15		
20	256QAM	100	0	15.06	15.13	15.22		
Channel				42185	42590	43015		
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	17.04	17.18	17.12	18.3	0
15	QPSK	1	37	16.86	16.87	16.96		
15	QPSK	1	74	17.13	17.12	16.85		
15	QPSK	36	0	16.78	17.11	17.03	18.3	0
15	QPSK	36	20	17.11	17.02	16.93		
15	QPSK	36	39	17.06	17.00	17.10		
15	QPSK	75	0	16.89	17.04	16.77	18.3	0
15	16QAM	1	0	16.98	17.09	16.82		
15	16QAM	1	37	16.96	17.10	16.80		
15	16QAM	1	74	17.07	16.76	16.74	18.3	0
15	16QAM	36	0	16.94	17.08	17.18		
15	16QAM	36	20	17.08	16.90	17.03		
15	16QAM	36	39	17.05	17.03	16.99	18.3	0
15	16QAM	75	0	16.91	17.06	16.86		
15	64QAM	1	0	17.05	17.00	16.78		
15	64QAM	1	37	16.79	16.94	16.97	18.3	0
15	64QAM	1	74	16.87	16.93	17.02		
15	64QAM	36	0	16.50	16.65	16.57		
15	64QAM	36	20	16.70	16.75	16.61	18.3	0
15	64QAM	36	39	16.61	16.55	16.66		
15	64QAM	75	0	16.53	16.68	16.62		
15	256QAM	1	0	14.92	14.92	15.03	16.3	2
15	256QAM	1	37	15.00	15.02	15.12		
15	256QAM	1	74	15.08	15.00	14.92		
15	256QAM	36	0	15.09	15.10	15.02	16.3	2
15	256QAM	36	20	15.00	14.90	15.03		
15	256QAM	36	39	15.03	15.11	15.07		
15	256QAM	75	0	14.86	14.94	15.05		
Channel				42140	42590	43040		
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	17.12	17.10	17.11	18.3	0
10	QPSK	1	25	17.00	16.95	16.92		
10	QPSK	1	49	17.06	17.05	16.78		
10	QPSK	25	0	16.79	16.99	16.93	18.3	0
10	QPSK	25	12	16.82	17.06	17.11		
10	QPSK	25	25	17.05	17.03	17.05		
10	QPSK	50	0	16.86	17.10	16.86	18.3	0
10	16QAM	1	0	16.88	17.08	16.83		
10	16QAM	1	25	16.85	17.06	16.97		
10	16QAM	1	49	17.02	16.81	16.88	18.3	0
10	16QAM	25	0	16.94	17.04	17.18		
10	16QAM	25	12	17.12	16.93	16.98		
10	16QAM	25	25	17.00	17.12	17.04	18.3	0
10	16QAM	50	0	16.92	17.02	16.90		
10	64QAM	1	0	17.04	16.90	16.78		
10	64QAM	1	25	16.90	16.88	16.91	18.3	0
10	64QAM	1	49	16.78	17.03	17.05		
10	64QAM	25	0	16.59	16.81	16.80		
10	64QAM	25	12	16.76	16.75	16.67	18.3	0
10	64QAM	25	25	16.58	16.62	16.65		
10	64QAM	50	0	16.48	16.62	16.59		
10	256QAM	1	0	14.99	14.91	15.07	16.3	2
10	256QAM	1	25	15.06	15.12	15.04		
10	256QAM	1	49	15.04	14.99	15.04		
10	256QAM	25	0	15.01	15.10	14.98	16.3	2
10	256QAM	25	12	14.98	14.93	14.99		
10	256QAM	25	25	15.16	15.14	14.99		
10	256QAM	50	0	14.92	15.04	15.14		
Channel				42115	42590	43065		
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	17.02	17.12	16.95	18.3	0
5	QPSK	1	12	16.92	16.99	17.05		
5	QPSK	1	24	17.07	17.06	16.78		
5	QPSK	12	0	16.80	17.12	17.08	18.3	0
5	QPSK	12	7	17.03	16.92	17.04		
5	QPSK	12	13	17.06	17.05	17.16		
5	QPSK	25	0	16.94	16.97	16.83	18.3	0
5	16QAM	1	0	16.89	17.11	17.01		
5	16QAM	1	12	16.94	17.00	16.96		
5	16QAM	1	24	17.02	16.86	16.89	18.3	0
5	16QAM	12	0	17.02	17.06	17.18		
5	16QAM	12	7	17.13	16.95	16.97		
5	16QAM	12	13	16.98	17.12	17.09	18.3	0
5	16QAM	25	0	16.96	17.06	16.91		
5	64QAM	1	0	16.95	16.89	16.77		
5	64QAM	1	12	16.80	16.98	16.94	18.3	0
5	64QAM	1	24	16.86	17.00	17.00		
5	64QAM	12	0	16.50	16.66	16.50		
5	64QAM	12	7	16.72	16.65	16.75	18.3	0
5	64QAM	12	13	16.52	16.56	16.74		
5	64QAM	25	0	16.52	16.61	16.65		
5	256QAM	1	0	14.96	14.97	15.03	16.3	2
5	256QAM	1	12	15.10	15.11	15.01		
5	256QAM	1	24	15.11	14.96	14.96		
5	256QAM	12	0	14.95	15.08	15.08	16.3	2
5	256QAM	12	7	15.04	15.01	15.02		
5	256QAM	12	13	15.01	15.16	15.02		
5	256QAM	25	0	14.93	14.96	15.04		

Band 42 FCC Part27Q Ant8									
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	21.96	22.01	21.88	23	0	
20	QPSK	1	49	21.89	22.00	21.86			
20	QPSK	1	99	21.84	21.83	21.63			
20	QPSK	50	0	20.88	21.09	21.01	22	1	
20	QPSK	50	24	21.04	20.96	20.97			
20	QPSK	50	50	21.04	20.90	21.03			
20	QPSK	100	0	21.00	21.07	20.86	22	1	
20	16QAM	1	0	21.04	20.97	20.89			
20	16QAM	1	49	20.97	21.05	20.94			
20	16QAM	1	99	21.02	21.08	21.08	21	2	
20	16QAM	50	0	20.12	20.09	20.13			
20	16QAM	50	24	20.18	20.08	20.14			
20	16QAM	50	50	20.05	20.18	20.08	21	2	
20	16QAM	100	0	20.21	20.10	20.14			
20	64QAM	1	0	19.84	19.72	19.71			
20	64QAM	1	49	19.66	19.63	19.79	21	2	
20	64QAM	1	99	19.69	19.65	19.70			
20	64QAM	50	0	19.23	19.13	19.08			
20	64QAM	50	24	19.04	19.13	19.12	20	3	
20	64QAM	50	50	19.21	19.10	19.09			
20	64QAM	100	0	19.05	19.08	18.96			
20	256QAM	1	0	16.93	16.85	16.84	18	5	
20	256QAM	1	49	16.95	16.74	16.94			
20	256QAM	1	99	16.95	16.85	16.76			
20	256QAM	50	0	16.99	17.09	17.03	18	5	
20	256QAM	50	24	17.06	17.14	17.19			
20	256QAM	50	50	17.19	16.99	17.18			
20	256QAM	100	0	17.02	17.05	16.94			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	21.82	21.88	21.78	23	0	
15	QPSK	1	37	21.72	21.88	21.78			
15	QPSK	1	74	21.76	21.77	21.56			
15	QPSK	36	0	20.84	20.96	20.88	22	1	
15	QPSK	36	20	20.94	20.86	20.85			
15	QPSK	36	39	20.90	20.83	20.84			
15	QPSK	75	0	20.93	21.01	20.77	22	1	
15	16QAM	1	0	20.87	20.81	20.94			
15	16QAM	1	37	20.90	20.96	20.79			
15	16QAM	1	74	20.82	20.94	20.99	21	2	
15	16QAM	36	0	19.98	19.96	20.03			
15	16QAM	36	20	20.09	20.00	20.01			
15	16QAM	36	39	19.96	19.99	19.90	21	2	
15	16QAM	75	0	20.03	20.02	19.99			
15	64QAM	1	0	19.72	19.60	19.61			
15	64QAM	1	37	19.51	19.50	19.62	21	2	
15	64QAM	1	74	19.56	19.47	19.65			
15	64QAM	36	0	19.16	19.04	18.93			
15	64QAM	36	20	18.84	19.08	18.97	20	3	
15	64QAM	36	39	19.09	18.94	18.93			
15	64QAM	75	0	18.96	19.04	18.85			
15	256QAM	1	0	16.76	16.81	16.72	18	5	
15	256QAM	1	37	16.86	16.54	16.88			
15	256QAM	1	74	16.77	16.75	16.89			
15	256QAM	36	0	16.86	17.00	16.98	18	5	
15	256QAM	36	20	17.00	17.02	17.09			
15	256QAM	36	39	17.01	16.89	17.11			
15	256QAM	75	0	16.93	16.93	16.83			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	21.79	21.89	21.74	23	0	
10	QPSK	1	25	21.84	21.82	21.69			
10	QPSK	1	49	21.70	21.73	21.50			
10	QPSK	25	0	20.71	21.01	20.86	22	1	
10	QPSK	25	12	20.96	20.91	20.90			
10	QPSK	25	25	20.93	20.78	20.87			
10	QPSK	50	0	20.89	20.91	20.82	22	1	
10	16QAM	1	0	20.86	20.90	20.69			
10	16QAM	1	25	20.86	20.96	20.85			
10	16QAM	1	49	20.97	20.92	20.94	21	2	
10	16QAM	25	0	19.94	19.94	19.96			
10	16QAM	25	12	20.05	19.99	20.00			
10	16QAM	25	25	19.85	20.09	20.03	21	2	
10	16QAM	50	0	20.08	19.90	19.94			
10	64QAM	1	0	19.75	19.53	19.61			
10	64QAM	1	25	19.56	19.46	19.59	21	2	
10	64QAM	1	49	19.80	19.46	19.58			
10	64QAM	25	0	19.11	19.04	18.94			
10	64QAM	25	12	18.86	18.94	18.93	20	3	
10	64QAM	25	25	19.12	18.96	19.03			
10	64QAM	50	0	18.94	18.90	18.79			
10	256QAM	1	0	16.81	16.70	16.76	18	5	
10	256QAM	1	25	16.75	16.68	16.81			
10	256QAM	1	49	16.75	16.75	16.68			
10	256QAM	25	0	16.86	16.91	16.84	18	5	
10	256QAM	25	12	16.94	17.01	17.09			
10	256QAM	25	25	17.06	16.79	17.01			
10	256QAM	50	0	16.87	16.89	16.78			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	21.90	21.95	21.74	23	0	
5	QPSK	1	12	21.71	21.85	21.68			
5	QPSK	1	24	21.71	21.76	21.49			
5	QPSK	12	0	20.80	20.94	20.84	22	1	
5	QPSK	12	7	20.86	20.77	20.88			
5	QPSK	12	13	20.98	20.73	20.85			
5	QPSK	25	0	20.81	20.89	20.76	22	1	
5	16QAM	1	0	20.89	20.83	20.80			
5	16QAM	1	12	20.77	20.86	20.77			
5	16QAM	1	24	20.86	20.99	20.88	21	2	
5	16QAM	12	0	20.05	19.89	20.03			
5	16QAM	12	7	19.99	19.99	20.09			
5	16QAM	12	13	19.98	20.14	19.94	21	2	
5	16QAM	25	0	20.13	19.99	20.00			
5	64QAM	1	0	19.74	19.55	19.64			
5	64QAM	1	12	19.57	19.57	19.65	21	2	
5	64QAM	1	24	19.56	19.49	19.59			
5	64QAM	12	0	19.07	18.94	18.98			
5	64QAM	12	7	18.85	18.93	18.99	20	3	
5	64QAM	12	13	19.02	18.93	19.02			
5	64QAM	25	0	18.92	18.94	18.78			
5	256QAM	1	0	16.87	16.69	16.72	18	5	
5	256QAM	1	12	16.89	16.66	16.81			
5	256QAM	1	24	16.75	16.71	16.70			
5	256QAM	12	0	16.89	16.91	16.96	18	5	
5	256QAM	12	7	16.89	16.99	17.02			
5	256QAM	12	13	17.02	16.90	17.11			
5	256QAM	25	0	16.90	16.90	16.77			

Band 42 FCC Part27Q Ant10									
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	21.12	21.33	21.26	22.5	0	
20	QPSK	1	49	20.84	21.25	21.22			
20	QPSK	1	99	21.02	21.13	21.18			
20	QPSK	50	0	20.21	20.33	20.14	21.5	1	
20	QPSK	50	24	20.17	20.26	20.15			
20	QPSK	50	50	20.23	20.21	20.14			
20	QPSK	100	0	20.23	20.31	20.16	21.5	1	
20	16QAM	1	0	20.43	20.44	20.56			
20	16QAM	1	49	20.39	20.49	20.33			
20	16QAM	1	99	20.49	20.51	20.54	20.5	2	
20	16QAM	50	0	19.32	19.35	19.25			
20	16QAM	50	24	19.31	19.39	19.27			
20	16QAM	50	50	19.28	19.42	19.29	20.5	2	
20	16QAM	100	0	19.37	19.34	19.21			
20	64QAM	1	0	19.21	19.24	19.24			
20	64QAM	1	49	19.11	19.24	19.17	20.5	2	
20	64QAM	1	99	19.15	19.22	19.24			
20	64QAM	50	0	18.26	18.37	18.29			
20	64QAM	50	24	18.36	18.38	18.45	19.5	3	
20	64QAM	50	50	18.48	18.46	18.31			
20	64QAM	100	0	18.44	18.32	18.40			
20	256QAM	1	0	16.42	16.29	16.21	17.5	5	
20	256QAM	1	49	16.28	16.38	16.24			
20	256QAM	1	99	16.27	16.22	16.34			
20	256QAM	50	0	16.31	16.38	16.30	17.5	5	
20	256QAM	50	24	16.34	16.43	16.26			
20	256QAM	50	50	16.43	16.31	16.42			
20	256QAM	100	0	16.41	16.32	16.24			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.95	21.23	21.19	22.5	0	
15	QPSK	1	37	20.88	21.14	21.17			
15	QPSK	1	74	20.95	20.97	20.99			
15	QPSK	36	0	20.06	20.22	20.10	21.5	1	
15	QPSK	36	20	20.11	20.12	20.02			
15	QPSK	36	39	20.06	20.05	20.04			
15	QPSK	75	0	20.12	20.18	20.04	21.5	1	
15	16QAM	1	0	20.34	20.37	20.47			
15	16QAM	1	37	20.23	20.43	20.24			
15	16QAM	1	74	20.40	20.36	20.50	20.5	2	
15	16QAM	36	0	19.25	19.23	19.15			
15	16QAM	36	20	19.27	19.31	19.18			
15	16QAM	36	39	19.15	19.30	19.11	20.5	2	
15	16QAM	75	0	19.21	19.26	19.08			
15	64QAM	1	0	19.15	19.13	19.10			
15	64QAM	1	37	19.06	19.18	19.03	20.5	2	
15	64QAM	1	74	19.10	19.17	19.20			
15	64QAM	36	0	18.10	18.28	18.20			
15	64QAM	36	20	18.22	18.28	18.35	19.5	3	
15	64QAM	36	39	18.34	18.34	18.14			
15	64QAM	75	0	18.27	18.19	18.23			
15	256QAM	1	0	16.34	16.20	16.14	17.5	5	
15	256QAM	1	37	16.10	16.32	16.16			
15	256QAM	1	74	16.15	16.16	16.16			
15	256QAM	36	0	16.12	16.33	16.15	17.5	5	
15	256QAM	36	20	16.17	16.36	16.12			
15	256QAM	36	39	16.35	16.25	16.23			
15	256QAM	75	0	16.30	16.24	16.07			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.99	21.21	21.19	22.5	0	
10	QPSK	1	25	20.84	21.15	21.08			
10	QPSK	1	49	20.92	21.01	21.05			
10	QPSK	25	0	20.08	20.24	19.95	21.5	1	
10	QPSK	25	12	20.10	20.17	20.09			
10	QPSK	25	25	20.15	20.04	19.98			
10	QPSK	50	0	20.09	20.23	20.07	21.5	1	
10	16QAM	1	0	20.31	20.30	20.45			
10	16QAM	1	25	20.26	20.41	20.22			
10	16QAM	1	49	20.31	20.43	20.47	20.5	2	
10	16QAM	25	0	19.13	19.21	19.16			
10	16QAM	25	12	19.19	19.26	19.22			
10	16QAM	25	25	19.20	19.34	19.20	20.5	2	
10	16QAM	50	0	19.27	19.17	19.02			
10	64QAM	1	0	19.07	19.06	19.06			
10	64QAM	1	25	19.05	19.13	19.03	20.5	2	
10	64QAM	1	49	19.02	19.09	19.06			
10	64QAM	25	0	18.18	18.26	18.22			
10	64QAM	25	12	18.22	18.23	18.27	19.5	3	
10	64QAM	25	25	18.37	18.40	18.23			
10	64QAM	50	0	18.27	18.17	18.34			
10	256QAM	1	0	16.33	16.13	16.01	17.5	5	
10	256QAM	1	25	16.13	16.21	16.19			
10	256QAM	1	49	16.14	16.12	16.21			
10	256QAM	25	0	16.26	16.20	16.19	17.5	5	
10	256QAM	25	12	16.16	16.26	16.07			
10	256QAM	25	25	16.25	16.24	16.24			
10	256QAM	50	0	16.31	16.20	16.08			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	21.08	21.13	21.13	22.5	0	
5	QPSK	1	12	20.77	21.06	21.16			
5	QPSK	1	24	20.95	21.05	21.14			
5	QPSK	12	0	20.15	20.23	20.05	21.5	1	
5	QPSK	12	7	20.03	20.14	20.08			
5	QPSK	12	13	20.19	20.08	20.03			
5	QPSK	25	0	20.18	20.15	20.09	21.5	1	
5	16QAM	1	0	20.34	20.35	20.49			
5	16QAM	1	12	20.25	20.35	20.13			
5	16QAM	1	24	20.32	20.43	20.50	20.5	2	
5	16QAM	12	0	19.12	19.25	19.08			
5	16QAM	12	7	19.14	19.22	19.14			
5	16QAM	12	13	19.09	19.29	19.18	20.5	2	
5	16QAM	25	0	19.26	19.16	19.05			
5	64QAM	1	0	19.16	19.19	19.18			
5	64QAM	1	12	19.01	19.12	19.12	20.5	2	
5	64QAM	1	24	19.04	19.08	19.14			
5	64QAM	12	0	18.19	18.23	18.20			
5	64QAM	12	7	18.28	18.32	18.31	19.5	3	
5	64QAM	12	13	18.30	18.28	18.14			
5	64QAM	25	0	18.31	18.15	18.27			
5	256QAM	1	0	16.38	16.22	16.01	17.5	5	
5	256QAM	1	12	16.09	16.18	16.05			
5	256QAM	1	24	16.22	16.11	16.28			
5	256QAM	12	0	16.26	16.29	16.21	17.5	5	
5	256QAM	12	7	16.18	16.26	16.14			
5	256QAM	12	13	16.29	16.19	16.26			
5	256QAM	25	0	16.27	16.14	16.08			



Reduced Power Mode for ECI3

GSM850 Amd	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	624.2	636.4	648.6	624.2	636.4	648.6	624.2	636.4
Frequency (MHz)	31.87	31.95	31.92	33.50	22.87	22.95	22.92	24.50
GSM 1 Tx slot	31.77	31.86	31.74	33.50	22.77	22.86	22.74	24.50
GPRS-2 Tx slots	28.85	28.88	28.81	29.50	22.85	22.88	22.81	23.50
GPRS-3 Tx slots	27.13	27.17	27.04	28.00	22.87	22.91	22.78	23.74
GPRS-4 Tx slots	25.88	25.94	25.86	27.50	22.88	22.94	22.88	24.50
EDGE-1 Tx slot	28.34	28.40	28.28	27.50	17.34	17.40	17.28	18.50
EDGE-2 Tx slots	25.11	25.22	25.17	26.00	19.11	19.22	19.17	20.00
EDGE-3 Tx slots	23.03	23.07	23.03	24.00	18.77	18.81	18.77	19.74
EDGE-4 Tx slots	21.78	21.85	21.71	23.00	18.78	18.85	18.71	20.00

GSM1900 Amd	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1550.2	1550.2	1550.8	1550.2	1550.2	1550.8	1550.8	1550.8
Frequency (MHz)	27.49	27.51	27.55	28.50	18.49	18.51	18.55	19.50
GSM 1 Tx slot	27.31	27.51	27.34	28.50	18.31	18.51	18.34	19.50
GPRS-2 Tx slots	24.34	24.59	24.46	25.50	18.34	18.59	18.46	19.50
GPRS-3 Tx slots	22.70	22.79	22.66	24.00	18.44	18.53	18.40	19.74
GPRS-4 Tx slots	21.72	21.86	21.84	23.00	18.72	18.86	18.84	20.00
EDGE 1 Tx slot	24.48	24.60	24.52	25.50	15.48	15.60	15.52	16.50
EDGE 2 Tx slots	23.22	23.26	23.14	24.00	17.22	17.26	17.14	18.00
EDGE 3 Tx slots	20.70	20.81	20.78	22.00	16.44	16.55	16.52	17.74
EDGE 4 Tx slots	19.00	19.06	18.99	20.00	16.00	16.06	15.99	17.00

Band	TX Channel	WCDMA I Amd			Tune-up Limit (dBm)	WCDMA IV Amd			WCDMA V Amd			Tune-up Limit (dBm)	
		9262	9400	9538		1312	1413	1513	4132	4182	4233		
	Rx Channel	9662	9800	9938	1324	1424	1524	4357	4407	4458	4357	4407	4458
	Frequency (MHz)	1572	1580	1507.4	1724	1724	1724	1824	1824	1824	1824	1824	1824
3GPP Rel 99	AMR 12.2Kbps	17.19	17.37	17.52	18.40	17.69	17.67	17.64	18.70	22.15	22.27	22.11	23.00
3GPP Rel 99	AMR 12.2Kbps	17.21	17.38	17.36	18.40	17.73	17.74	17.62	18.70	22.21	22.28	22.12	23.00
3GPP Rel 6	HSDPA Subtest-1	16.21	16.39	15.87	17.40	16.63	16.60	16.63	17.70	21.24	21.28	21.21	22.00
3GPP Rel 6	HSDPA Subtest-2	15.98	16.29	15.97	17.40	16.47	16.51	16.66	17.70	21.15	21.20	21.09	22.00
3GPP Rel 6	HSDPA Subtest-3	15.73	15.69	15.61	16.90	16.24	16.31	16.26	17.20	20.81	20.85	20.72	21.50
3GPP Rel 6	HSDPA Subtest-4	15.80	15.78	15.56	16.90	16.33	16.06	16.24	17.20	20.80	20.73	20.64	21.50
3GPP Rel 8	DCHSDPA Subtest-1	16.10	16.44	16.08	17.40	16.41	16.88	16.49	17.70	21.31	21.25	21.07	22.00
3GPP Rel 8	DCHSDPA Subtest-2	16.05	16.38	16.42	17.40	16.61	16.87	16.69	17.70	21.25	21.34	21.28	22.00
3GPP Rel 8	DCHSDPA Subtest-3	15.48	15.82	15.57	16.90	16.03	16.36	16.14	17.20	20.75	20.75	20.64	21.50
3GPP Rel 8	DCHSDPA Subtest-4	15.88	15.58	15.58	16.90	16.27	16.23	15.94	17.20	20.83	20.71	20.51	21.50
3GPP Rel 6	HSUPA Subtest-1	16.32	16.35	16.13	17.40	16.77	16.83	16.47	17.70	21.34	21.37	21.00	22.00
3GPP Rel 6	HSUPA Subtest-2	14.11	14.31	14.37	15.40	14.85	14.71	14.74	15.70	18.12	18.30	19.01	20.00
3GPP Rel 6	HSUPA Subtest-3	15.28	15.13	15.10	16.40	15.73	15.64	15.69	16.70	20.13	20.39	20.01	21.00
3GPP Rel 6	HSUPA Subtest-4	14.18	14.26	13.84	15.40	14.51	14.80	14.74	15.70	19.26	19.38	18.08	20.00
3GPP Rel 6	HSUPA Subtest-5	16.20	16.12	16.33	17.40	16.60	16.48	16.37	17.70	21.32	21.28	21.06	22.00
3GPP Rel 7	HSPA+ (FDD-M) Subtest-1	13.80	13.81	13.78	14.90	14.06	13.90	13.74	15.20	18.64	18.86	18.75	19.50



Table for Band 2 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, Power Ch./F.Freq., Tune-up time, MPR, and MPR (dB). Rows list various frequencies and power levels.

Table for Band 4 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, Power Ch./F.Freq., Tune-up time, MPR, and MPR (dB). Rows list various frequencies and power levels.

Table for Band 5 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, Power Ch./F.Freq., Tune-up time, MPR, and MPR (dB). Rows list various frequencies and power levels.

Table for Band 5 Ant1. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, Power Ch./F.Freq., Tune-up time, MPR, and MPR (dB). Rows list various frequencies and power levels.

Table for Band 7 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, Power Ch./F.Freq., Tune-up time, MPR, and MPR (dB). Rows list various frequencies and power levels.







GSM850 Ant1 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	726	786	794		798	799	793	
	53.2	53.4	53.6	53.2	53.4	53.6		
GSM 1 Tx slot	31.45	31.57	31.52	33.00	22.45	22.57	22.52	24.00
GPRS 1 Tx slot	31.43	31.51	31.47	33.00	22.43	22.51	22.47	24.00
GPRS 2 Tx slots	28.45	28.52	28.44	29.50	22.45	22.52	22.44	23.50
GPRS 3 Tx slots	26.71	26.80	26.77	27.50	22.45	22.54	22.51	23.24
GPRS 4 Tx slots	25.64	25.77	25.73	27.00	22.64	22.77	22.73	24.00
EDGE 1 Tx slot	26.13	26.21	26.11	27.50	17.13	17.21	17.11	18.50
EDGE 2 Tx slots	24.26	24.34	24.28	26.00	16.86	16.94	16.88	20.00
EDGE 3 Tx slots	22.83	22.97	22.84	24.00	16.57	16.71	16.58	19.74
EDGE 4 Tx slots	21.57	21.61	21.54	22.50	16.57	16.61	16.54	19.50

GSM1900 Ant1 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	150.2	150	150.3	150.2	150	150.3		
GSM 1 Tx slot	29.22	29.51	29.35	28.00	17.22	17.51	17.35	19.00
GPRS 1 Tx slot	26.21	26.49	26.33	26.00	17.21	17.49	17.33	19.00
GPRS 2 Tx slots	23.26	23.48	23.23	24.00	17.26	17.46	17.23	18.00
GPRS 3 Tx slots	21.43	21.73	21.57	22.50	17.17	17.47	17.31	18.24
GPRS 4 Tx slots	20.62	20.65	20.61	22.00	17.62	17.65	17.61	19.00
EDGE 1 Tx slot	24.69	24.83	24.69	26.00	15.69	15.83	15.69	17.00
EDGE 2 Tx slots	23.44	23.53	23.49	24.50	17.44	17.53	17.49	18.50
EDGE 3 Tx slots	20.81	20.93	20.88	22.00	16.55	16.67	16.63	17.74
EDGE 4 Tx slots	19.46	19.56	19.49	20.50	16.59	16.69	16.59	17.50

Band TX Channel Frequency (MHz)	WCDMA II Ant1 Rx Channel			Tune-up Limit (dBm)	WCDMA IV Ant1			WCDMA V Ant1			Tune-up Limit (dBm)	
	8502	8400	8538		1512	1413	1518	4192	4492	4233		
	8652	8500	8598	1537	1538	1738	4357	4497	4458			
	1852.4	1880	1907.6	1712.4	1732.6	1752.6	856.4	836.4	846.6			
3GPP Rel 99 AMR 12.2kbps	15.82	15.85	15.80	16.90	17.21	17.24	17.12	18.50	21.68	21.72	21.67	23.00
3GPP Rel 99 RMC 12.2kbps	15.94	15.98	15.81	16.90	17.23	17.26	17.14	18.50	21.71	21.74	21.69	23.00
3GPP Rel 6 HSDPA Subtest-1	14.83	14.67	15.02	15.90	16.26	15.94	16.07	17.50	20.47	20.63	20.68	22.00
3GPP Rel 6 HSDPA Subtest-2	14.73	14.86	14.73	15.90	16.02	16.07	15.98	17.50	20.47	20.56	20.47	22.00
3GPP Rel 6 HSDPA Subtest-3	14.30	14.40	14.11	15.40	15.45	15.47	15.44	17.00	20.05	20.28	19.95	21.50
3GPP Rel 6 HSDPA Subtest-4	14.17	14.35	14.47	15.40	15.83	15.56	15.56	17.00	20.25	20.11	20.13	21.50
3GPP Rel 6 DC-HSDPA Subtest-1	14.81	14.93	14.81	15.90	16.08	16.31	16.14	17.50	20.74	20.75	20.63	22.00
3GPP Rel 6 DC-HSDPA Subtest-2	14.56	14.64	14.91	15.90	16.05	16.00	16.21	17.50	20.47	20.59	20.68	22.00
3GPP Rel 6 DC-HSDPA Subtest-3	14.12	14.28	14.20	15.40	15.63	15.36	15.45	17.00	20.01	20.04	20.02	21.50
3GPP Rel 6 DC-HSDPA Subtest-4	14.21	14.29	14.21	15.40	15.76	15.88	15.65	17.00	20.07	20.22	20.25	21.50
3GPP Rel 6 HSUPA Subtest-1	14.62	14.50	14.64	15.90	16.26	16.25	16.01	17.50	20.46	20.73	20.48	22.00
3GPP Rel 6 HSUPA Subtest-2	12.62	12.75	12.71	13.90	13.99	14.07	14.14	15.50	18.64	18.63	18.67	20.00
3GPP Rel 6 HSUPA Subtest-3	13.80	13.80	13.81	14.90	15.28	15.02	14.93	16.50	19.60	19.62	19.60	21.00
3GPP Rel 6 HSUPA Subtest-4	12.57	12.68	12.68	13.90	13.97	14.36	14.13	15.50	18.47	18.56	18.63	20.00
3GPP Rel 6 HSUPA Subtest-5	14.66	14.86	14.66	15.90	16.15	16.27	16.17	17.50	20.70	20.65	20.71	22.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	12.03	12.21	12.11	13.40	13.68	13.48	13.58	15.00	18.14	18.18	17.88	19.50

Table with 23 columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power High Ch./Freq., Power Low Ch./Freq., Tuning, MPR, MPR (dB). Sub-tables for Band 2 Ant1 and Band 2 Ant2.

Table with 23 columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power High Ch./Freq., Power Low Ch./Freq., Tuning, MPR, MPR (dB). Sub-tables for Band 4 Ant1 and Band 4 Ant2.

Table with 23 columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power High Ch./Freq., Power Low Ch./Freq., Tuning, MPR, MPR (dB). Sub-tables for Band 5 Ant1 and Band 5 Ant2.

Table with 23 columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power High Ch./Freq., Power Low Ch./Freq., Tuning, MPR, MPR (dB). Sub-tables for Band 7 Ant1 and Band 7 Ant2.







Appendix E

Band 38 Ant1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Middle Ch. Freq., Power High Ch. Freq., Tune-up (dBm), MPR (dB). Contains data for Band 38 Ant1 across various modulation schemes and RB sizes.

Band 41 Ant1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Middle Ch. Freq., Power High Ch. Freq., Tune-up (dBm), MPR (dB). Contains data for Band 41 Ant1 across various modulation schemes and RB sizes.

Band 41 HPUE Ant1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Middle Ch. Freq., Power High Ch. Freq., Tune-up (dBm), MPR (dB). Contains data for Band 41 HPUE Ant1 across various modulation schemes and RB sizes.



Appendix E

GSM1900 Ant2 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	812	861	910		812	861	910	
	1859.2	1860	1859.8	30.50	1859.2	1859	1859.8	21.50
GSM-1 Tx slot	29.42	29.51	29.40	30.50	20.42	20.51	20.40	21.50
GPRS-1 Tx slot	29.41	29.45	29.39	30.50	20.41	20.45	20.39	21.50
GPRS-2 Tx slots	26.45	26.48	26.36	27.50	20.45	20.48	20.38	21.50
GPRS-3 Tx slots	24.64	24.74	24.66	25.50	20.38	20.48	20.40	21.24
GPRS-4 Tx slots	23.44	23.48	23.37	24.50	20.44	20.48	20.37	21.50
EDGE-1 Tx slot	28.78	25.85	25.76	27.00	16.78	16.85	16.76	18.00
EDGE-2 Tx slots	24.44	24.58	24.51	25.50	16.44	16.58	16.51	19.50
EDGE-3 Tx slots	21.95	21.98	21.84	23.00	17.69	17.72	17.58	18.74
EDGE-4 Tx slots	20.53	20.68	20.61	21.50	17.53	17.66	17.61	18.50

Band TX Channel Rx Channel Frequency (MHz)	WCDMA II Ant2			Tune-up Limit (dBm)	WCDMA II Ant2			Tune-up Limit (dBm)
	9262	9490	9538		1312	1413	1513	
	9662	9890	9938 <td>1512.4</td> <td>1638</td> <td>1738 <td></td> </td>	1512.4	1638	1738 <td></td>		
	1827.4	1830	1827.6	23.50	22.21	22.24	22.15	
3GPP Rel 99 RMC 12.2Kbps	22.20	22.30	22.23	23.50	22.21	22.24	22.15	
3GPP Rel 99	22.29	22.32	22.24	23.50	22.22	22.27	22.18	
3GPP Rel 6 HSDPA Subtest-1	21.08	21.36	21.11	22.50	21.03	21.39	21.11	
3GPP Rel 6 HSDPA Subtest-2	21.25	21.27	21.02	22.50	21.22	21.21	21.03	
3GPP Rel 6 HSDPA Subtest-3	20.58	20.75	20.54	22.00	20.56	20.66	20.54	
3GPP Rel 6 HSDPA Subtest-4	20.68	20.76	20.66	22.00	20.66	20.78	20.65	
3GPP Rel 6 DCHSDPA Subtest-1	21.12	21.25	21.08	22.50	21.07	21.21	21.09	
3GPP Rel 6 DCHSDPA Subtest-2	21.19	21.22	21.26	22.50	21.15	21.15	21.29	
3GPP Rel 6 DCHSDPA Subtest-3	20.62	20.63	20.73	22.00	20.56	20.63	20.69	
3GPP Rel 6 DCHSDPA Subtest-4	20.75	20.70	20.62	22.00	20.71	20.70	20.56	
3GPP Rel 6 HSUPA Subtest-1	21.23	21.23	21.07	22.50	21.24	21.22	21.06	
3GPP Rel 6 HSUPA Subtest-2	19.29	19.33	18.08	20.50	19.25	19.04	20.30	
3GPP Rel 6 HSUPA Subtest-3	20.20	20.21	20.17	21.50	20.22	20.12	20.16	
3GPP Rel 6 HSUPA Subtest-4	19.17	19.29	19.04	20.50	19.17	19.27	18.05	
3GPP Rel 6 HSUPA Subtest-5	21.26	21.31	21.22	22.50	21.19	21.32	21.16	
3GPP Rel 7 HSPA+ (HSPA) Subtest-1	18.79	18.84	18.52	20.00	18.73	18.79	18.53	

Table with 12 columns: BW (MHz), Modulation, RB Size, RB Offset, Power Ch./Freq., Power Ch./Freq., Power Ch./Freq., Turn-up (dB), MPR (dB). Includes sub-tables for Band 2 Ant2 (Channels 18875-19015 and 19015-19155) and Band 4 Ant2 (Channels 19155-19305).

Table with 12 columns: BW (MHz), Modulation, RB Size, RB Offset, Power Ch./Freq., Power Ch./Freq., Power Ch./Freq., Turn-up (dB), MPR (dB). Includes sub-tables for Band 4 Ant2 (Channels 19305-19455) and Band 7 Ant2 (Channels 19455-19605).

Table with 12 columns: BW (MHz), Modulation, RB Size, RB Offset, Power Ch./Freq., Power Ch./Freq., Power Ch./Freq., Turn-up (dB), MPR (dB). Includes sub-tables for Band 7 Ant2 (Channels 19605-19755) and Band 7 Ant2 (Channels 19755-19905).



**Band 25 Ant2**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)
<b>Channel</b>								
Frequency (MHz)								
20	QPSK	1	0	22.66	22.38	22.78	24	0
20	QPSK	1	49	22.73	22.90	22.88		
20	QPSK	1	99	22.85	22.82	22.63		
20	QPSK	50	0	21.79	21.94	21.87		
20	QPSK	50	24	21.77	21.73	21.82		
20	QPSK	50	50	21.91	21.90	21.87	23	1
20	QPSK	100	0	21.84	21.90	21.76		
20	HQAM	1	0	22.08	22.07	22.08		
20	HQAM	1	49	22.04	22.15	22.07	23	1
20	HQAM	1	99	22.16	22.12	22.18		
20	HQAM	50	0	21.02	20.91	20.98		
20	HQAM	50	24	20.97	20.92	20.94		
20	HQAM	50	50	21.02	20.97	20.95	22	2
20	HQAM	100	0	20.99	20.89	20.95		
20	HQAM	1	49	20.91	21.12	21.11	22	2
20	HQAM	1	99	21.03	20.92	20.95		
20	HQAM	50	0	20.90	19.91	19.88		
20	HQAM	50	24	19.85	19.88	19.81	21	3
20	HQAM	50	50	20.93	20.94	19.92		
20	HQAM	100	0	19.88	19.89	19.84		
20	SSGQAM	1	49	17.90	17.95	17.92	19	5
20	SSGQAM	1	99	17.82	17.82	17.84		
20	SSGQAM	50	0	17.85	17.77	17.82	19	5
20	SSGQAM	50	24	17.95	17.90	17.80		
20	SSGQAM	50	50	17.84	18.00	17.75		
20	SSGQAM	100	0	17.73	17.79	17.78		

**Band 66 Ant2**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)
<b>Channel</b>								
Frequency (MHz)								
20	QPSK	1	0	21.95	22.07	22.03	23.3	0
20	QPSK	1	49	21.87	22.00	21.92		
20	QPSK	1	99	21.81	21.82	21.85		
20	QPSK	50	0	21.64	22.03	21.80		
20	QPSK	50	24	22.00	21.95	21.92	23.3	0
20	QPSK	50	50	21.98	21.87	21.82		
20	QPSK	100	0	21.85	21.96	21.84		
20	HQAM	1	0	21.81	21.91	21.81	23.3	0
20	HQAM	1	49	21.81	21.82	21.80		
20	HQAM	1	99	21.82	22.03	21.93		
20	HQAM	50	0	20.92	20.94	20.96		
20	HQAM	50	24	21.08	20.90	20.87	22.3	1
20	HQAM	50	50	20.96	20.88	20.81		
20	HQAM	100	0	20.92	20.90	20.98		
20	HQAM	1	49	21.18	21.15	21.14	22.3	1
20	HQAM	1	99	21.26	21.05	21.08		
20	HQAM	1	99	21.20	21.13	21.02		
20	HQAM	50	0	20.92	19.92	19.95		
20	HQAM	50	24	19.97	19.98	19.91	21.3	2
20	HQAM	50	50	19.93	20.91	20.91		
20	HQAM	100	0	19.87	19.93	19.90		
20	SSGQAM	1	49	18.02	18.00	18.00	19.3	4
20	SSGQAM	1	99	18.19	18.21	18.06		
20	SSGQAM	50	0	17.92	17.96	17.94	19.3	4
20	SSGQAM	50	24	17.89	17.88	17.81		
20	SSGQAM	50	50	17.78	17.97	17.83		
20	SSGQAM	100	0	17.85	17.84	17.86		

**Band 38 Ant2**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Tune-up (dBm)	MPR (dB)
Channel								
Channel	37850		38000	38150				
Frequency (MHz)	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Tune-up (dBm)	MPR (dB)	
30	QPSK	1	0	22.85	23.00	22.88	24	0
30	QPSK	1	99	22.80	22.81	22.84		
30	QPSK	50	0	22.50	22.55	21.83		
30	QPSK	50	24	22.50	21.86	21.90		
30	QPSK	50	24	21.86	21.81	22.53		

**Band 41 Ant2**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Tune-up (dBm)	MPR (dB)
Channel								
Channel	39750		40185	40620	41055	41490		
Frequency (MHz)	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Tune-up (dBm)	MPR (dB)	
20	QPSK	1	0	23.01	22.97	23.05	24	0
20	QPSK	1	99	22.81	22.88	22.88		
20	QPSK	50	0	21.97	21.98	22.09		
20	QPSK	50	24	22.01	21.94	22.03		
20	QPSK	50	24	21.87	22.08	21.86		

**Band 41 HPUE Ant2**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Tune-up (dBm)	MPR (dB)
Channel								
Channel	39750		40185	40620	41055	41490		
Frequency (MHz)	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Tune-up (dBm)	MPR (dB)	
20	QPSK	1	0	25.06	25.01	25.11	27	0
20	QPSK	1	99	24.81	24.83	24.84		
20	QPSK	50	0	23.91	23.94	23.99		
20	QPSK	50	24	24.97	24.92	25.01		
20	QPSK	50	24	24.81	24.93	24.84		



Appendix E

GSM1900 AHR	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	961	910		512	961	910	
TX Channel	1852.2	1890	1899.8	30.50	20.69	20.82	20.71	21.50
Frequency (MHz)								
GSM-1 Tx slot	29.69	29.82	29.71	30.50	20.67	20.76	20.70	21.50
GPRS-1 Tx slots	28.74	28.77	28.83	27.50	20.74	20.77	20.83	21.50
GPRS-3 Tx slots	24.91	25.02	24.98	28.00	20.65	20.76	20.72	21.74
GPRS-4 Tx slots	23.80	23.87	23.85	28.00	20.80	20.87	20.85	22.00
EDGE-1 Tx slot	25.90	26.01	25.91	27.00	18.90	17.01	18.91	18.00
EDGE-2 Tx slots	24.68	24.74	24.83	25.50	18.68	18.74	18.83	19.50
EDGE-3 Tx slots	22.05	22.14	22.12	23.00	17.79	17.88	17.86	18.74
EDGE-4 Tx slots	20.48	20.61	20.57	21.50	17.48	17.61	17.67	18.50

Band	WCDMA II AHR			Tune-up Limit (dBm)	WCDMA II AHR			Tune-up Limit (dBm)	
	9262	9490	9638		1312	1413	1513		
TX Channel	9662	9800	9938	17124	1638	1738	1738		
Rx Channel									
Frequency (MHz)	1327.4	1300	1307.6	17124	17215	17215	17215		
3GPP Rel 99	AMR 12.2Kbps	19.83	19.85	19.80	21.00	22.23	22.25	23.00	
3GPP Rel 99	RMC 12.2Kbps	19.84	19.86	19.81	21.00	22.31	22.28	23.00	
3GPP Rel 6	HSDPA Subtest-1	18.91	18.75	18.58	20.00	21.32	21.29	21.14	22.00
3GPP Rel 6	HSDPA Subtest-2	18.75	18.73	18.86	20.00	21.25	21.23	21.01	22.00
3GPP Rel 6	HSDPA Subtest-3	18.13	18.07	18.00	19.50	20.71	20.67	20.44	21.50
3GPP Rel 6	HSDPA Subtest-4	18.13	18.17	18.19	19.50	20.58	20.61	20.66	21.50
3GPP Rel 8	DCHSDPA Subtest-1	18.55	18.77	18.61	20.00	21.07	21.26	21.07	22.00
3GPP Rel 8	DCHSDPA Subtest-2	18.73	18.78	18.78	20.00	21.10	21.33	21.24	22.00
3GPP Rel 8	DCHSDPA Subtest-3	18.16	18.22	18.14	19.50	20.75	20.67	20.62	21.50
3GPP Rel 8	DCHSDPA Subtest-4	18.27	18.14	18.29	19.50	20.65	20.71	20.75	21.50
3GPP Rel 6	HSUPA Subtest-1	18.78	18.71	18.74	20.00	21.17	21.13	21.29	22.00
3GPP Rel 6	HSUPA Subtest-2	16.54	16.66	16.70	18.00	19.05	18.16	19.09	20.00
3GPP Rel 6	HSUPA Subtest-3	17.61	17.89	17.65	19.00	20.37	20.37	20.03	21.00
3GPP Rel 6	HSUPA Subtest-4	16.73	16.85	16.59	18.00	19.32	19.26	19.09	20.00
3GPP Rel 6	HSUPA Subtest-5	18.88	18.88	18.55	20.00	21.32	21.34	20.98	22.00
3GPP Rel 7	HSPA+ (TC-RM) Subtest-1	16.26	16.44	16.32	17.50	18.75	18.83	18.70	19.50





Band 38 Ant9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains data for Band 38 Ant9 across various frequencies and modulation schemes.

Band 41 Ant9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains data for Band 41 Ant9 across various frequencies and modulation schemes.

Band 41 HPUE Ant9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains data for Band 41 HPUE Ant9 across various frequencies and modulation schemes.

Band 42 FCC Part27Q 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.08	19.14	19.09	20.6	0	
20	QPSK	1	49	19.02	19.10	18.99			
20	QPSK	1	99	19.05	19.11	19.04			
20	QPSK	50	0	18.93	19.11	18.97	20.6	0	
20	QPSK	50	24	19.03	19.04	18.95			
20	QPSK	50	50	19.02	19.01	18.93			
20	QPSK	100	0	19.01	19.06	18.93	20.6	0	
20	16QAM	1	0	18.96	18.96	18.97			
20	16QAM	1	49	18.93	19.06	19.06			
20	16QAM	1	99	19.07	19.06	19.01	20.6	0	
20	16QAM	50	0	19.06	19.09	19.02			
20	16QAM	50	24	19.11	19.10	19.05			
20	16QAM	50	50	19.00	18.99	19.09	20.6	0	
20	16QAM	100	0	19.03	19.04	18.96			
20	64QAM	1	0	18.98	19.11	19.08			
20	64QAM	1	49	19.00	18.95	19.00	20.6	0	
20	64QAM	1	99	18.92	19.02	18.96			
20	64QAM	50	0	18.95	19.06	19.05			
20	64QAM	50	24	19.11	18.95	19.02	20.6	0	
20	64QAM	50	50	19.09	18.95	19.06			
20	64QAM	100	0	18.95	19.12	19.01			
20	256QAM	1	0	17.83	17.75	17.74	18.6	2	
20	256QAM	1	49	17.85	17.72	17.77			
20	256QAM	1	99	17.82	17.83	17.70			
20	256QAM	50	0	18.08	17.96	18.02	18.6	2	
20	256QAM	50	24	18.05	17.85	18.04			
20	256QAM	50	50	17.87	17.99	18.08			
20	256QAM	100	0	17.80	17.93	17.97			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.95	18.94	18.94	20.6	0	
15	QPSK	1	37	18.87	18.96	18.81			
15	QPSK	1	74	18.86	18.94	18.89			
15	QPSK	36	0	18.91	18.97	18.94	20.6	0	
15	QPSK	36	20	18.98	18.83	18.89			
15	QPSK	36	39	18.94	18.98	18.90			
15	QPSK	75	0	18.86	18.89	18.78	20.6	0	
15	16QAM	1	0	18.95	18.89	18.90			
15	16QAM	1	37	18.84	18.88	19.00			
15	16QAM	1	74	18.92	18.85	18.95	20.6	0	
15	16QAM	36	0	18.95	18.98	18.91			
15	16QAM	36	20	19.04	18.80	18.96			
15	16QAM	36	39	18.93	18.85	18.97	20.6	0	
15	16QAM	75	0	18.99	18.87	18.92			
15	64QAM	1	0	18.81	18.97	19.01			
15	64QAM	1	37	18.85	18.81	18.88	20.6	0	
15	64QAM	1	74	18.92	18.97	18.90			
15	64QAM	36	0	18.80	18.85	18.91			
15	64QAM	36	20	18.95	18.82	18.81	20.6	0	
15	64QAM	36	39	18.90	18.79	18.93			
15	64QAM	75	0	18.81	18.99	18.90			
15	256QAM	1	0	17.70	17.57	17.98	18.6	2	
15	256QAM	1	37	17.72	17.54	17.65			
15	256QAM	1	74	17.71	17.55	17.54			
15	256QAM	36	0	17.93	17.84	17.92	18.6	2	
15	256QAM	36	20	17.89	17.73	17.96			
15	256QAM	36	39	17.87	17.83	17.82			
15	256QAM	75	0	17.64	17.84	17.92			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	19.03	19.06	18.93	20.6	0	
10	QPSK	1	25	18.93	18.90	18.84			
10	QPSK	1	49	18.98	19.04	18.94			
10	QPSK	25	0	18.85	18.99	18.88	20.6	0	
10	QPSK	25	12	18.81	18.99	18.86			
10	QPSK	25	25	18.87	18.91	18.84			
10	QPSK	50	0	18.84	18.85	18.75	20.6	0	
10	16QAM	1	0	18.77	18.92	18.88			
10	16QAM	1	25	18.75	18.87	18.89			
10	16QAM	1	49	18.88	19.03	18.88	20.6	0	
10	16QAM	25	0	18.93	18.94	18.85			
10	16QAM	25	12	19.06	19.07	18.97			
10	16QAM	25	25	18.94	18.82	18.94	20.6	0	
10	16QAM	50	0	18.89	19.01	18.81			
10	64QAM	1	0	18.78	18.95	18.86			
10	64QAM	1	25	18.98	18.75	18.79	20.6	0	
10	64QAM	1	49	18.78	18.88	18.79			
10	64QAM	25	0	18.89	18.98	18.86			
10	64QAM	25	12	18.99	18.75	18.90	20.6	0	
10	64QAM	25	25	18.93	18.89	18.85			
10	64QAM	50	0	18.91	18.98	18.93			
10	256QAM	1	0	17.71	17.69	17.68	18.6	2	
10	256QAM	1	25	17.79	17.56	17.64			
10	256QAM	1	49	17.78	17.44	17.56			
10	256QAM	25	0	18.00	17.90	17.95	18.6	2	
10	256QAM	25	12	17.90	17.89	17.98			
10	256QAM	25	25	17.78	17.85	17.92			
10	256QAM	50	0	17.74	17.82	17.79			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	18.99	19.02	18.94	20.6	0	
5	QPSK	1	12	18.91	18.95	18.94			
5	QPSK	1	24	19.00	19.07	19.00			
5	QPSK	12	0	18.84	18.92	18.88	20.6	0	
5	QPSK	12	7	18.98	18.94	18.73			
5	QPSK	12	13	18.87	18.92	18.88			
5	QPSK	25	0	18.90	18.97	18.85	20.6	0	
5	16QAM	1	0	18.86	18.80	18.78			
5	16QAM	1	12	18.84	18.99	18.87			
5	16QAM	1	24	19.04	19.02	18.93	20.6	0	
5	16QAM	12	0	18.86	18.85	18.89			
5	16QAM	12	7	18.92	19.00	19.00			
5	16QAM	12	13	18.90	18.83	18.94	20.6	0	
5	16QAM	25	0	18.91	18.89	18.82			
5	64QAM	1	0	18.90	19.02	18.94			
5	64QAM	1	12	18.86	18.75	18.94	20.6	0	
5	64QAM	1	24	18.93	18.85	18.81			
5	64QAM	12	0	18.78	18.94	18.94			
5	64QAM	12	7	19.00	18.88	18.99	20.6	0	
5	64QAM	12	13	19.03	18.81	19.02			
5	64QAM	25	0	18.91	19.06	18.91			
5	256QAM	1	0	17.77	17.58	17.67	18.6	2	
5	256QAM	1	12	17.77	17.58	17.64			
5	256QAM	1	24	17.82	17.50	17.56			
5	256QAM	12	0	17.96	17.89	17.87	18.6	2	
5	256QAM	12	7	17.92	17.66	17.96			
5	256QAM	12	13	17.80	17.84	18.02			
5	256QAM	25	0	17.80	17.86	17.77			



Band 42 FCC Part27Q Ant8									
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	21.96	22.01	21.88	23	0	
20	QPSK	1	49	21.89	22.00	21.86			
20	QPSK	1	99	21.84	21.83	21.63			
20	QPSK	50	0	20.88	21.09	21.01	22	1	
20	QPSK	50	24	21.04	20.96	20.97			
20	QPSK	50	50	21.04	20.90	21.03			
20	QPSK	100	0	21.00	21.07	20.86	22	1	
20	16QAM	1	0	21.04	20.97	20.89			
20	16QAM	1	49	20.97	21.05	20.94			
20	16QAM	1	99	21.02	21.08	21.08	21	2	
20	16QAM	50	0	20.12	20.09	20.13			
20	16QAM	50	24	20.18	20.08	20.14			
20	16QAM	50	50	20.05	20.18	20.08	20	3	
20	16QAM	100	0	20.21	20.10	20.14			
20	64QAM	1	0	19.84	19.72	19.71			
20	64QAM	1	49	19.86	19.63	19.79	21	2	
20	64QAM	1	99	19.69	19.65	19.70			
20	64QAM	50	0	19.23	19.13	19.08			
20	64QAM	50	24	19.34	19.13	19.12	20	3	
20	64QAM	50	50	19.21	19.10	19.09			
20	64QAM	100	0	19.05	19.08	18.96			
20	256QAM	1	0	16.93	16.85	16.84	18	5	
20	256QAM	1	49	16.95	16.74	16.94			
20	256QAM	1	99	16.95	16.85	16.76			
20	256QAM	50	0	16.99	17.09	17.03	18	5	
20	256QAM	50	24	17.06	17.14	17.19			
20	256QAM	50	50	17.19	16.99	17.18			
20	256QAM	100	0	17.02	17.05	16.94			
Channel				42165	42590	43015			
Frequency (MHz)				3452.5	3500	3547.5			
15	QPSK	1	0	21.82	21.88	21.78	23	0	
15	QPSK	1	37	21.72	21.88	21.78			
15	QPSK	1	74	21.76	21.77	21.56			
15	QPSK	36	0	20.84	20.96	20.88	22	1	
15	QPSK	36	20	20.94	20.86	20.85			
15	QPSK	36	39	20.90	20.83	20.84			
15	QPSK	75	0	20.93	21.01	20.77	22	1	
15	16QAM	1	0	20.87	20.81	20.84			
15	16QAM	1	37	20.90	20.96	20.79			
15	16QAM	1	74	20.82	20.94	20.99	21	2	
15	16QAM	36	0	19.96	19.96	20.03			
15	16QAM	36	20	20.09	20.00	20.01			
15	16QAM	36	39	19.96	19.99	19.90	21	2	
15	16QAM	75	0	20.03	20.02	19.99			
15	64QAM	1	0	19.72	19.60	19.61			
15	64QAM	1	37	19.51	19.50	19.62	20	3	
15	64QAM	1	74	19.56	19.47	19.65			
15	64QAM	36	0	19.16	19.04	18.93			
15	64QAM	36	20	18.84	19.08	18.97	18	5	
15	64QAM	36	39	19.09	18.94	18.93			
15	64QAM	75	0	18.96	19.04	18.85			
15	256QAM	1	0	16.76	16.81	16.72	18	5	
15	256QAM	1	37	16.96	16.54	16.68			
15	256QAM	1	74	16.77	16.75	16.69			
15	256QAM	36	0	16.86	17.00	16.98	18	5	
15	256QAM	36	20	17.00	17.02	17.09			
15	256QAM	36	39	17.01	16.89	17.11			
15	256QAM	75	0	16.93	16.93	16.83			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	21.79	21.89	21.74	23	0	
10	QPSK	1	25	21.84	21.82	21.69			
10	QPSK	1	49	21.70	21.73	21.50			
10	QPSK	25	0	20.71	21.01	20.86	22	1	
10	QPSK	25	12	20.96	20.91	20.90			
10	QPSK	25	25	20.93	20.78	20.87			
10	QPSK	50	0	20.89	20.91	20.82	22	1	
10	16QAM	1	0	20.88	20.90	20.89			
10	16QAM	1	25	20.86	20.96	20.85			
10	16QAM	1	49	20.97	20.92	20.94	21	2	
10	16QAM	25	0	19.94	19.94	19.96			
10	16QAM	25	12	20.05	19.99	20.00			
10	16QAM	25	25	19.85	20.09	20.03	21	2	
10	16QAM	50	0	20.08	19.90	19.84			
10	64QAM	1	0	19.75	19.53	19.61			
10	64QAM	1	25	19.56	19.46	19.59	20	3	
10	64QAM	1	49	19.60	19.46	19.58			
10	64QAM	25	0	19.11	19.04	18.94			
10	64QAM	25	12	18.86	18.94	18.93	18	5	
10	64QAM	25	25	19.12	18.96	19.03			
10	64QAM	50	0	18.94	18.90	18.79			
10	256QAM	1	0	16.81	16.70	16.76	18	5	
10	256QAM	1	25	16.75	16.68	16.81			
10	256QAM	1	49	16.75	16.75	16.68			
10	256QAM	25	0	16.86	16.91	16.84	18	5	
10	256QAM	25	12	16.94	17.01	17.09			
10	256QAM	25	25	17.06	16.79	17.01			
10	256QAM	50	0	16.87	16.89	16.78			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	21.90	21.95	21.74	23	0	
5	QPSK	1	12	21.71	21.85	21.68			
5	QPSK	1	24	21.71	21.76	21.49			
5	QPSK	12	0	20.80	20.94	20.84	22	1	
5	QPSK	12	7	20.86	20.77	20.88			
5	QPSK	12	13	20.96	20.73	20.85			
5	QPSK	25	0	20.81	20.89	20.78	22	1	
5	16QAM	1	0	20.89	20.83	20.80			
5	16QAM	1	12	20.77	20.86	20.77			
5	16QAM	1	24	20.86	20.99	20.88	21	2	
5	16QAM	12	0	20.05	19.89	20.03			
5	16QAM	12	7	19.99	19.99	20.09			
5	16QAM	12	13	19.98	20.14	19.94	21	2	
5	16QAM	25	0	20.13	19.99	20.00			
5	64QAM	1	0	19.74	19.55	19.64			
5	64QAM	1	12	19.57	19.57	19.65	20	3	
5	64QAM	1	24	19.56	19.49	19.59			
5	64QAM	12	0	19.07	18.94	18.98			
5	64QAM	12	7	18.85	18.93	18.99	18	5	
5	64QAM	12	13	19.02	18.93	19.02			
5	64QAM	25	0	18.92	18.94	18.78			
5	256QAM	1	0	16.87	16.89	16.72	18	5	
5	256QAM	1	12	16.89	16.66	16.81			
5	256QAM	1	24	16.75	16.71	16.70			
5	256QAM	12	0	16.89	16.99	17.02	18	5	
5	256QAM	12	7	16.89	16.99	17.02			
5	256QAM	12	13	17.02	16.90	17.11			
5	256QAM	25	0	16.90	16.90	16.77			



Reduced Power Mode for ECI4

GSM850 Aird	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	Limit	128	189	251	Limit
Frequency (MHz)	824.2	836.4	848.6	(dBm)	824.2	836.4	848.6	(dBm)
GSM 1 Tx slot	31.87	31.95	31.92	33.50	22.87	22.95	22.92	24.50
GPRS 1 Tx slots	31.77	31.86	31.74	33.50	22.77	22.86	22.74	24.50
GPRS 2 Tx slots	28.85	28.88	28.81	29.50	22.85	22.88	22.81	23.50
GPRS 3 Tx slots	27.13	27.17	27.04	28.00	22.87	22.91	22.78	23.74
GPRS 4 Tx slots	25.88	25.94	25.88	27.50	22.88	22.94	22.88	24.50
EDGE 1 Tx slot	26.34	26.40	26.29	27.50	17.34	17.40	17.29	18.50
EDGE 2 Tx slots	25.11	25.22	25.17	26.00	19.11	19.22	19.17	20.00
EDGE 3 Tx slots	23.03	23.07	23.03	24.00	18.77	18.81	18.77	19.74
EDGE 4 Tx slots	21.78	21.85	21.71	23.00	18.78	18.85	18.71	20.00

GSM1900 Aird	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	681	819		512	681	819	
TX Channel	512	681	819	Limit	512	681	819	Limit
Frequency (MHz)	1850.2	1860	1909.8	(dBm)	1850.2	1860	1909.8	(dBm)
GSM 1 Tx slot	28.51	28.55	28.49	29.50	19.51	19.55	19.49	20.50
GPRS 1 Tx slot	28.40	28.50	28.42	29.50	19.40	19.50	19.42	20.50
GPRS 2 Tx slots	25.40	25.52	25.40	26.50	19.40	19.52	19.40	20.50
GPRS 3 Tx slots	23.67	23.78	23.72	25.00	19.41	19.52	19.46	20.74
GPRS 4 Tx slots	22.68	22.71	22.60	24.00	19.68	19.71	19.60	21.00
EDGE 1 Tx slot	24.46	24.60	24.52	25.50	15.46	15.60	15.52	16.50
EDGE 2 Tx slots	23.22	23.28	23.14	24.00	17.22	17.28	17.14	18.00
EDGE 3 Tx slots	20.70	20.81	20.78	22.00	16.44	16.55	16.52	17.74
EDGE 4 Tx slots	19.00	19.06	18.99	20.00	16.00	16.08	15.99	17.00

Band	WCDMA II Aird			Tune-up Limit (dBm)	WCDMA IV Aird			Tune-up Limit (dBm)	WCDMA V Aird			Tune-up Limit (dBm)	
	9262	9400	9536		1312	1413	1513		4152	4182	4233		
TX Channel	9262	9400	9536	Limit	1312	1413	1513	Limit	4152	4182	4233	Limit	
Rx Channel	9562	9800	9308	(dBm)	1637	1635	1728	(dBm)	4387	4407	4455	(dBm)	
Frequency (MHz)	1852.4	1850	1907.6		1712.4	1732.8	1752.6		828.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	20.81	20.99	20.97	22.00	20.95	20.96	20.84	22.00	22.19	22.27	22.11	23.00
3GPP Rel 99	RMC 12.2Kbps	20.88	21.00	20.98	22.00	20.97	20.99	20.86	22.00	22.21	22.28	22.12	23.00
3GPP Rel 6	HSDPA Subtest-1	19.95	20.12	19.73	21.00	19.85	19.86	19.96	21.00	21.24	21.28	21.21	22.00
3GPP Rel 6	HSDPA Subtest-2	19.67	20.11	19.70	21.00	19.75	19.81	19.94	21.00	21.15	21.20	21.04	22.00
3GPP Rel 6	HSDPA Subtest-3	19.48	19.34	19.21	20.50	19.46	19.53	19.48	20.50	20.81	20.85	20.72	21.50
3GPP Rel 6	HSDPA Subtest-4	19.43	19.42	19.30	20.50	19.60	19.35	19.50	20.50	20.80	20.73	20.84	21.50
3GPP Rel 6	DC-HSDPA Subtest-1	19.87	20.12	19.89	21.00	19.83	19.97	19.72	21.00	21.31	21.25	21.07	22.00
3GPP Rel 6	DC-HSDPA Subtest-2	19.68	20.14	20.04	21.00	19.86	20.10	19.92	21.00	21.25	21.34	21.26	22.00
3GPP Rel 6	DC-HSDPA Subtest-3	19.16	19.55	19.28	20.50	19.26	19.56	19.43	20.50	20.75	20.75	20.84	21.50
3GPP Rel 6	DC-HSDPA Subtest-4	19.49	19.38	19.33	20.50	19.58	19.45	19.23	20.50	20.83	20.71	20.51	21.50
3GPP Rel 6	HSUPA Subtest-1	19.93	20.10	19.81	21.00	20.07	20.09	19.71	21.00	21.34	21.37	21.00	22.00
3GPP Rel 6	HSUPA Subtest-2	17.71	17.52	17.97	19.00	18.11	17.71	17.96	19.00	19.12	19.30	19.01	20.00
3GPP Rel 6	HSUPA Subtest-3	19.00	18.72	18.76	20.00	18.92	18.92	18.89	20.00	20.13	20.39	20.01	21.00
3GPP Rel 6	HSUPA Subtest-4	18.00	17.86	17.64	19.00	17.74	18.09	17.98	19.00	19.28	19.38	19.08	20.00
3GPP Rel 6	HSUPA Subtest-5	19.86	19.70	20.02	21.00	20.11	19.71	19.63	21.00	21.37	21.28	21.06	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.44	17.47	17.57	18.50	17.46	17.17	17.83	18.50	18.64	18.88	18.75	19.50



Table for Band 2 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (Ch, Freq), Power (HP, Freq), Turn-up (dB), MPR (dB), and Frequency (MHz). Rows list various channel configurations and their parameters.

Table for Band 4 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (Ch, Freq), Power (HP, Freq), Turn-up (dB), MPR (dB), and Frequency (MHz). Rows list various channel configurations and their parameters.

Table for Band 5 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (Ch, Freq), Power (HP, Freq), Turn-up (dB), MPR (dB), and Frequency (MHz). Rows list various channel configurations and their parameters.

Table for Band 7 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (Ch, Freq), Power (HP, Freq), Turn-up (dB), MPR (dB), and Frequency (MHz). Rows list various channel configurations and their parameters.





Band 38 Ant0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up (dBm), MPR (dB). Contains data for various antenna configurations and power levels.

Band 41 Ant0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up (dBm), MPR (dB). Contains data for various antenna configurations and power levels.

Band 41 HPUE Ant0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up (dBm), MPR (dB). Contains data for various antenna configurations and power levels.



Appendix E

GSM850 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	158	199		251	158	199	
Frequency (MHz)	534.2	535.4	536.6	534.2	534.4	534.6		
GSM 1 Tx slot	31.45	31.57	31.52	33.00	22.45	22.57	22.52	24.00
GPRS 1 Tx slot	31.43	31.51	31.47	33.00	22.43	22.51	22.47	24.00
GPRS 2 Tx slots	28.46	28.52	28.44	29.50	22.45	22.52	22.44	23.50
GPRS 3 Tx slots	28.71	28.80	28.77	27.50	22.45	22.54	22.51	23.24
GPRS 4 Tx slots	25.64	25.77	25.73	27.00	22.64	22.77	22.73	24.00
EDGE 1 Tx slot	26.13	26.21	26.11	27.50	17.13	17.21	17.11	18.50
EDGE 2 Tx slots	24.96	24.94	24.88	26.00	16.86	16.94	16.88	20.00
EDGE 3 Tx slots	22.83	22.97	22.84	24.00	16.57	16.71	16.58	19.74
EDGE 4 Tx slots	21.57	21.61	21.54	22.50	16.57	16.61	16.54	19.50

GSM1900 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1520.2	1520	1520.3	1520.2	1520	1520.3		
GSM 1 Tx slot	29.83	29.95	29.85	30.50	19.83	19.95	19.85	21.50
GPRS 1 Tx slot	28.77	28.86	28.79	30.50	19.77	19.86	19.79	21.50
GPRS 2 Tx slots	25.82	25.88	25.77	26.50	19.82	19.88	19.77	20.50
GPRS 3 Tx slots	24.00	24.13	24.01	25.00	18.74	18.87	18.75	20.74
GPRS 4 Tx slots	22.77	22.86	22.82	24.50	19.77	19.86	19.82	21.50
EDGE 1 Tx slot	24.89	24.83	24.69	26.00	15.69	15.83	15.69	17.00
EDGE 2 Tx slots	23.44	23.53	23.49	24.50	17.44	17.53	17.49	18.50
EDGE 3 Tx slots	20.81	20.94	20.89	22.00	16.55	16.67	16.53	17.74
EDGE 4 Tx slots	19.46	19.56	19.49	20.50	16.40	16.59	16.40	17.50

Band	TX Channel	WCDMA II Ant1			Tune-up Limit (dBm)	WCDMA IV Ant1			Tune-up Limit (dBm)	WCDMA V Ant1			Tune-up Limit (dBm)
		9400	9538	9538		1312	1413	1513		4132	4182	4233	
	Rx Channel	8662	8600	9538	1537	1638	1738	4357	4407	4458			
	Frequency (MHz)	1852.4	1850	1907.6	1712.4	1732.6	1752.6	326.4	336.4	346.6			
3GPP Rel 99	AMR 12.2kops	21.06	21.16	21.15	22.00	21.11	21.12	21.06	21.68	21.72	21.67	23.00	
3GPP Rel 99	RMTC 12.2kops	21.11	21.18	21.17	22.00	21.13	21.14	21.08	21.71	21.74	21.69	23.00	
3GPP Rel 6	HSDPA Subtest-1	20.04	19.94	20.21	21.00	20.18	19.92	20.03	21.00	20.47	20.63	22.00	
3GPP Rel 6	HSDPA Subtest-2	20.11	20.20	20.07	21.00	19.92	20.00	19.96	21.00	20.47	20.56	20.47	
3GPP Rel 6	HSDPA Subtest-3	19.50	19.67	19.66	20.50	19.41	19.45	19.33	20.05	20.26	19.95	21.50	
3GPP Rel 6	HSDPA Subtest-4	19.43	19.57	19.67	20.50	19.63	19.54	19.36	20.50	20.25	20.11	21.50	
3GPP Rel 6	DC-HSDPA Subtest-1	20.10	20.17	20.03	21.00	20.02	20.12	20.05	21.00	20.74	20.75	20.63	
3GPP Rel 6	DC-HSDPA Subtest-2	19.87	20.00	20.11	21.00	19.90	20.02	20.07	21.00	20.47	20.59	20.66	
3GPP Rel 6	DC-HSDPA Subtest-3	19.35	19.50	19.59	20.50	19.54	19.36	19.43	20.01	20.04	20.02	21.50	
3GPP Rel 6	DC-HSDPA Subtest-4	19.83	19.65	19.59	20.50	19.54	19.70	19.57	20.50	20.07	20.22	20.25	
3GPP Rel 6	HSUPA Subtest-1	20.02	20.20	20.03	21.00	20.16	20.17	20.02	21.00	20.46	20.73	20.48	
3GPP Rel 6	HSUPA Subtest-2	17.97	18.15	17.94	19.00	17.89	18.08	17.94	19.00	18.64	18.63	18.67	
3GPP Rel 6	HSUPA Subtest-3	19.03	19.15	19.11	20.00	19.14	19.34	18.86	20.00	19.60	19.62	19.60	
3GPP Rel 6	HSUPA Subtest-4	17.96	17.84	17.96	19.00	17.88	18.14	18.08	19.00	18.47	18.56	18.63	
3GPP Rel 6	HSUPA Subtest-5	20.05	20.21	20.02	21.00	20.14	20.07	19.97	21.00	20.70	20.65	20.71	
3GPP Rel 7	HSPA+ (eHSPA) Subtest-1	17.38	17.56	17.50	18.50	17.47	17.48	17.45	18.50	18.14	18.16	17.98	









GSM1900 Ant2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	812	861	810		812	861	810	
Tx Channel	1850.2	1860	1869.8	30.50	20.42	20.51	20.40	21.50
Frequency (MHz)	1850.2	1860	1869.8	30.50	20.42	20.51	20.40	21.50
GSM-1 Tx slot	29.42	29.51	29.40	30.50	20.42	20.51	20.40	21.50
GPRS-1 Tx slot	29.41	29.45	29.39	30.50	20.41	20.45	20.39	21.50
GPRS-2 Tx slot	28.45	28.48	28.38	27.50	20.45	20.48	20.38	21.50
GPRS-3 Tx slot	24.64	24.74	24.66	25.50	20.38	20.48	20.40	21.24
GPRS-4 Tx slot	23.44	23.48	23.37	24.50	20.44	20.48	20.37	21.50
EDGE-1 Tx slot	28.78	28.85	28.76	27.00	18.78	18.85	18.76	18.00
EDGE-2 Tx slot	24.44	24.58	24.51	25.50	18.44	18.58	18.51	19.50
EDGE-3 Tx slot	21.95	21.98	21.84	23.00	17.69	17.72	17.58	18.74
EDGE-4 Tx slot	20.53	20.68	20.61	21.50	17.53	17.66	17.61	18.50

Band	WCDMA II Ant2			Tune-up Limit (dBm)	WCDMA IV Ant2			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Tx Channel	9662	9800	9938	1537	1638	1738	1838	
Rx Channel	9662 <td>9800 <td>9938 <td>1537 <td>1638 <td>1738 <td>1838 </td></td></td></td></td></td>	9800 <td>9938 <td>1537 <td>1638 <td>1738 <td>1838 </td></td></td></td></td>	9938 <td>1537 <td>1638 <td>1738 <td>1838 </td></td></td></td>	1537 <td>1638 <td>1738 <td>1838 </td></td></td>	1638 <td>1738 <td>1838 </td></td>	1738 <td>1838 </td>	1838	
Frequency (MHz)	1852.4	1860	1867.6	1732.4	1732.6	1752.6	1752.8	
3GPP Rel 99 AMR 12.2Kbps	22.26	22.30	22.23	24.00	22.21	22.24	22.15	24.00
3GPP Rel 99 AMR 12.2Kbps	22.29	22.32	22.24	24.00	22.22	22.27	22.18	24.00
3GPP Rel 6 HSDPA Subtest-1	21.09	21.36	21.11	23.00	21.03	21.39	21.11	23.00
3GPP Rel 6 HSDPA Subtest-2	21.25	21.27	21.02	23.00	21.22	21.21	21.03	23.00
3GPP Rel 6 HSDPA Subtest-3	20.58	20.75	20.54	22.50	20.56	20.68	20.54	22.50
3GPP Rel 6 HSDPA Subtest-4	20.66	20.78	20.66	22.50	20.66	20.78	20.65	22.50
3GPP Rel 8 DCHSDPA Subtest-1	21.12	21.25	21.08	23.00	21.07	21.21	21.09	22.50
3GPP Rel 8 DCHSDPA Subtest-2	21.19	21.22	21.26	23.00	21.15	21.15	21.20	22.50
3GPP Rel 8 DCHSDPA Subtest-3	20.62	20.63	20.73	22.50	20.56	20.63	20.69	22.00
3GPP Rel 8 DCHSDPA Subtest-4	20.75	20.70	20.82	22.50	20.71	20.70	20.86	22.00
3GPP Rel 6 HSUPA Subtest-1	21.23	21.23	21.07	23.00	21.24	21.22	21.06	23.00
3GPP Rel 6 HSUPA Subtest-2	19.29	19.33	19.08	21.00	19.20	19.25	19.04	21.00
3GPP Rel 6 HSUPA Subtest-3	20.20	20.21	20.17	22.00	20.22	20.12	20.16	22.00
3GPP Rel 6 HSUPA Subtest-4	19.17	19.29	19.04	21.00	19.17	19.27	19.05	21.00
3GPP Rel 6 HSUPA Subtest-5	21.26	21.31	21.22	23.00	21.19	21.32	21.16	23.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	18.79	18.84	18.52	20.50	18.73	18.79	18.53	20.50



Table for Band 2 Ant2 showing Frequency (MHz), Modulation, RB Size, RB Offset, Power Ch./Freq., Power Hsp./Freq., Power Ch./Freq., Tune-up (min), MPR (dB), and other parameters.

Table for Band 4 Ant2 showing Frequency (MHz), Modulation, RB Size, RB Offset, Power Ch./Freq., Power Hsp./Freq., Power Ch./Freq., Tune-up (min), MPR (dB), and other parameters.

Table for Band 7 Ant2 showing Frequency (MHz), Modulation, RB Size, RB Offset, Power Ch./Freq., Power Hsp./Freq., Power Ch./Freq., Tune-up (min), MPR (dB), and other parameters.







Appendix E

GSM1900 Ann9	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	961	910		512	961	910	
TX Channel	1859.2	1860	1859.8	30.50	20.69	20.82	20.71	21.50
Frequency (MHz)	1859.2	1860	1859.8					
GSM-1 Tx slot	29.69	29.82	29.71	30.50	20.69	20.82	20.71	21.50
GPRS-1 Tx slot	29.67	29.76	29.70	30.50	20.67	20.76	20.70	21.50
GPRS-2 Tx slots	26.74	26.77	26.63	27.50	20.74	20.77	20.63	21.50
GPRS-3 Tx slots	24.51	25.02	24.98	26.00	20.65	20.76	20.72	21.74
GPRS-4 Tx slots	23.80	23.87	23.85	25.00	20.80	20.87	20.85	22.00
EDGE-1 Tx slot	25.90	26.01	25.91	27.00	16.90	17.01	16.91	18.00
EDGE-2 Tx slots	24.68	24.74	24.63	25.50	18.68	18.74	18.63	19.50
EDGE-3 Tx slots	22.05	22.14	22.12	23.00	17.75	17.88	17.80	18.74
EDGE-4 Tx slots	20.48	20.61	20.57	21.50	17.48	17.61	17.57	18.50

Band	WCDMA II Ann9			Tune-up Limit (dBm)	WCDMA IV Ann9			Tune-up Limit (dBm)
	9262	9400	9638		1312	1413	1513	
Rx Channel	9652	9800	9938	1537	1636	1738		
Frequency (MHz)	1859.4	1860	1857.6	112.4	132.6	175.6		
3GPP Rel 99	AMR 12.2kbps	22.18	22.24	22.15	23.00	22.23	22.25	23.00
3GPP Rel 99	RMG 12.2kbps	22.21	22.25	22.17	23.00	22.31	22.28	23.00
3GPP Rel 6	HSDPA Subtest-1	21.22	21.21	21.03	22.00	21.32	21.29	21.14
3GPP Rel 6	HSDPA Subtest-2	21.11	21.14	20.97	22.00	21.25	21.23	21.01
3GPP Rel 6	HSDPA Subtest-3	20.58	20.54	20.42	21.50	20.71	20.67	20.44
3GPP Rel 6	HSDPA Subtest-4	20.50	20.53	20.53	21.50	20.58	20.61	20.66
3GPP Rel 6	DCHSDPA Subtest-1	21.02	21.14	20.96	22.00	21.07	21.26	21.07
3GPP Rel 6	DCHSDPA Subtest-2	21.04	21.19	21.22	22.00	21.10	21.33	21.24
3GPP Rel 6	DCHSDPA Subtest-3	20.65	20.64	20.52	21.50	20.75	20.67	20.62
3GPP Rel 6	DCHSDPA Subtest-4	20.60	20.61	20.72	21.50	20.65	20.71	20.75
3GPP Rel 6	HSPA Subtest-1	21.11	21.02	21.16	22.00	21.17	21.13	21.29
3GPP Rel 6	HSPA Subtest-2	18.99	18.13	19.00	20.00	19.05	18.16	19.09
3GPP Rel 6	HSPA Subtest-3	20.26	20.24	19.97	21.00	20.37	20.37	20.03
3GPP Rel 6	HSPA Subtest-4	19.19	19.17	18.99	20.00	19.32	19.26	19.09
3GPP Rel 6	HSPA Subtest-5	21.19	21.30	20.96	22.00	21.52	21.34	20.98
3GPP Rel 7	HSPA (HQA) Subtest-1	18.70	18.76	18.63	19.50	18.75	18.83	18.70





Band 38 Ant9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Co./Freq, Power Middle Co./Freq, Power High Co./Freq, Tune-up limit (dBm), MPR (dB). Contains data for Band 38 Ant9 across various modulation schemes and power levels.

Band 41 Ant9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Co./Freq, Power Middle Co./Freq, Power High Co./Freq, Tune-up limit (dBm), MPR (dB). Contains data for Band 41 Ant9 across various modulation schemes and power levels.

Band 41 HPUE Ant9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Co./Freq, Power Middle Co./Freq, Power High Co./Freq, Tune-up limit (dBm), MPR (dB). Contains data for Band 41 HPUE Ant9 across various modulation schemes and power levels.



Band 42 FCC Part27Q 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	22.68	22.86	22.79	24	0	
20	QPSK	1	49	22.61	22.79	22.70			
20	QPSK	1	99	22.63	22.73	22.78			
20	QPSK	50	0	21.88	21.95	21.75	23	1	
20	QPSK	50	24	21.89	21.92	21.74			
20	QPSK	50	50	21.78	21.89	21.93			
20	QPSK	100	0	21.83	21.92	21.91	23	1	
20	16QAM	1	0	21.79	21.89	21.91			
20	16QAM	1	49	21.79	22.01	21.83			
20	16QAM	1	99	21.78	21.95	22.01	22	2	
20	16QAM	50	0	20.85	20.95	21.07			
20	16QAM	50	24	21.03	20.96	20.93			
20	16QAM	50	50	20.82	20.96	20.87	22	2	
20	16QAM	100	0	21.01	20.93	20.90			
20	64QAM	1	0	20.43	20.53	20.56			
20	64QAM	1	49	20.64	20.53	20.51	22	2	
20	64QAM	1	99	20.63	20.48	20.47			
20	64QAM	50	0	20.08	19.96	19.98			
20	64QAM	50	24	19.97	19.96	19.96	21	3	
20	64QAM	50	50	20.03	19.92	20.01			
20	64QAM	100	0	19.83	19.94	20.03			
20	256QAM	1	0	17.83	17.75	17.74	19	5	
20	256QAM	1	49	17.85	17.72	17.77			
20	256QAM	1	99	17.82	17.83	17.70			
20	256QAM	50	0	18.06	17.96	18.02	19	5	
20	256QAM	50	24	18.05	17.85	18.04			
20	256QAM	50	50	17.87	17.99	18.08			
20	256QAM	100	0	17.80	17.93	17.97			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	22.51	22.78	22.71	24	0	
15	QPSK	1	37	22.48	22.64	22.54			
15	QPSK	1	74	22.46	22.58	22.63			
15	QPSK	36	0	21.76	21.88	21.60	23	1	
15	QPSK	36	20	21.81	21.85	21.85			
15	QPSK	36	39	21.60	21.76	21.76			
15	QPSK	75	0	21.69	21.80	21.81	23	1	
15	16QAM	1	0	21.75	21.83	21.76			
15	16QAM	1	37	21.60	21.85	21.75			
15	16QAM	1	74	21.71	21.87	21.81	22	2	
15	16QAM	36	0	20.80	20.80	21.01			
15	16QAM	36	20	20.97	20.80	20.77			
15	16QAM	36	39	20.78	20.87	20.75	22	2	
15	16QAM	75	0	20.93	20.87	20.82			
15	64QAM	1	0	20.37	20.44	20.50			
15	64QAM	1	37	20.47	20.45	20.32	22	2	
15	64QAM	1	74	20.48	20.39	20.38			
15	64QAM	36	0	20.00	19.88	19.86			
15	64QAM	36	20	19.87	19.92	19.83	21	3	
15	64QAM	36	39	19.83	19.80	19.90			
15	64QAM	75	0	19.84	19.90	19.89			
15	256QAM	1	0	17.70	17.57	17.96	19	5	
15	256QAM	1	37	17.72	17.54	17.66			
15	256QAM	1	74	17.71	17.55	17.54			
15	256QAM	36	0	17.93	17.84	17.92	19	5	
15	256QAM	36	20	17.89	17.73	17.96			
15	256QAM	36	39	17.67	17.83	17.62			
15	256QAM	75	0	17.64	17.84	17.62			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	22.63	22.78	22.72	24	0	
10	QPSK	1	25	22.45	22.66	22.63			
10	QPSK	1	49	22.45	22.63	22.70			
10	QPSK	25	0	21.71	21.83	21.65	23	1	
10	QPSK	25	12	21.75	21.77	21.56			
10	QPSK	25	25	21.69	21.85	21.79			
10	QPSK	50	0	21.73	21.79	21.84	23	1	
10	16QAM	1	0	21.75	21.81	21.77			
10	16QAM	1	25	21.72	21.92	21.78			
10	16QAM	1	49	21.62	21.90	21.83	22	2	
10	16QAM	25	0	20.75	20.75	20.97			
10	16QAM	25	12	20.85	20.86	20.81			
10	16QAM	25	25	20.75	20.88	20.69	22	2	
10	16QAM	50	0	20.84	20.78	20.82			
10	64QAM	1	0	20.31	20.47	20.47			
10	64QAM	1	25	20.58	20.38	20.36	22	2	
10	64QAM	1	49	20.46	20.32	20.40			
10	64QAM	25	0	19.99	19.86	19.89			
10	64QAM	25	12	19.78	19.94	19.83	21	3	
10	64QAM	25	25	19.85	19.77	19.85			
10	64QAM	50	0	19.71	19.82	19.89			
10	256QAM	1	0	17.71	17.69	17.68	19	5	
10	256QAM	1	25	17.79	17.56	17.64			
10	256QAM	1	49	17.78	17.44	17.56			
10	256QAM	25	0	18.00	17.90	17.95	19	5	
10	256QAM	25	12	17.90	17.69	17.98			
10	256QAM	25	25	17.78	17.85	17.92			
10	256QAM	50	0	17.74	17.82	17.79			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	22.63	22.75	22.73	24	0	
5	QPSK	1	12	22.44	22.74	22.60			
5	QPSK	1	24	22.63	22.64	22.73			
5	QPSK	12	0	21.82	21.81	21.55	23	1	
5	QPSK	12	7	21.71	21.74	21.70			
5	QPSK	12	13	21.65	21.73	21.68			
5	QPSK	25	0	21.76	21.77	21.76	23	1	
5	16QAM	1	0	21.70	21.74	21.86			
5	16QAM	1	12	21.60	21.96	21.77			
5	16QAM	1	24	21.68	21.85	21.84	22	2	
5	16QAM	12	0	20.79	20.79	21.01			
5	16QAM	12	7	20.95	20.76	20.74			
5	16QAM	12	13	20.75	20.81	20.72	22	2	
5	16QAM	25	0	20.93	20.88	20.79			
5	64QAM	1	0	20.25	20.39	20.36			
5	64QAM	1	12	20.60	20.38	20.47	22	2	
5	64QAM	1	24	20.48	20.41	20.37			
5	64QAM	12	0	19.96	19.79	19.94			
5	64QAM	12	7	19.83	19.80	19.84	21	3	
5	64QAM	12	13	19.84	19.87	19.92			
5	64QAM	25	0	19.73	19.89	19.98			
5	256QAM	1	0	17.77	17.58	17.67	19	5	
5	256QAM	1	12	17.77	17.58	17.64			
5	256QAM	1	24	17.82	17.50	17.58			
5	256QAM	12	0	17.96	17.89	17.87	19	5	
5	256QAM	12	7	17.92	17.66	17.96			
5	256QAM	12	13	17.80	17.84	18.02			
5	256QAM	25	0	17.60	17.86	17.77			

Band 42 FCC Part27Q Ant4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.06	20.13	20.07	21	0	
20	QPSK	1	49	20.06	20.04	20.08			
20	QPSK	1	99	20.06	20.12	19.91			
20	QPSK	50	0	19.09	19.18	19.06	20	1	
20	QPSK	50	24	19.10	18.99	18.97			
20	QPSK	50	50	18.92	19.17	18.94			
20	QPSK	100	0	19.09	19.13	19.01	20	1	
20	16QAM	1	0	19.22	19.30	19.40			
20	16QAM	1	49	19.26	19.41	19.38			
20	16QAM	1	99	19.22	19.38	19.24	19	2	
20	16QAM	50	0	18.10	18.15	18.27			
20	16QAM	50	24	18.23	18.09	18.15			
20	16QAM	50	50	18.16	18.19	18.18	20	1	
20	16QAM	100	0	18.04	18.16	18.05			
20	64QAM	1	0	18.09	18.06	17.94			
20	64QAM	1	49	17.96	18.03	18.04	19	2	
20	64QAM	1	99	17.85	18.11	18.19			
20	64QAM	50	0	17.09	17.18	17.08			
20	64QAM	50	24	17.21	17.20	17.20	18	3	
20	64QAM	50	50	17.07	17.14	17.21			
20	64QAM	100	0	17.07	17.12	17.11			
20	256QAM	1	0	15.06	15.10	15.19	16	5	
20	256QAM	1	49	15.16	15.22	15.20			
20	256QAM	1	99	15.18	15.05	15.10			
20	256QAM	50	0	15.14	15.18	15.14	16	5	
20	256QAM	50	24	15.09	15.08	15.18			
20	256QAM	50	50	15.21	15.20	15.15			
20	256QAM	100	0	15.06	15.13	15.22			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.95	19.99	19.93	21	0	
15	QPSK	1	37	19.87	19.95	20.04			
15	QPSK	1	74	19.84	20.02	19.82			
15	QPSK	36	0	18.90	19.02	18.91	20	1	
15	QPSK	36	20	18.93	18.94	18.88			
15	QPSK	36	39	18.81	19.06	18.77			
15	QPSK	75	0	18.99	19.01	18.92	20	1	
15	16QAM	1	0	19.15	19.21	19.35			
15	16QAM	1	37	19.19	19.25	19.30			
15	16QAM	1	74	19.09	19.19	19.06	19	2	
15	16QAM	36	0	17.94	18.08	18.18			
15	16QAM	36	20	18.08	17.90	18.03			
15	16QAM	36	39	18.05	18.03	17.99	19	2	
15	16QAM	75	0	17.91	18.06	17.86			
15	64QAM	1	0	18.05	18.00	17.78			
15	64QAM	1	37	17.79	17.84	17.87	19	2	
15	64QAM	1	74	17.67	17.93	18.02			
15	64QAM	36	0	16.90	17.05	16.97			
15	64QAM	36	20	17.10	17.15	17.01	18	3	
15	64QAM	36	39	17.01	16.95	17.06			
15	64QAM	75	0	16.93	16.98	17.02			
15	256QAM	1	0	14.92	14.92	15.03	16	5	
15	256QAM	1	37	15.00	15.02	15.12			
15	256QAM	1	74	15.08	15.00	14.92			
15	256QAM	36	0	15.09	15.10	15.02	16	5	
15	256QAM	36	20	15.00	14.90	15.03			
15	256QAM	36	39	15.03	15.11	15.07			
15	256QAM	75	0	14.98	14.94	15.05			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	19.88	20.09	20.02	21	0	
10	QPSK	1	25	19.90	19.97	19.96			
10	QPSK	1	49	19.86	20.06	19.82			
10	QPSK	25	0	18.92	19.04	18.92	20	1	
10	QPSK	25	12	19.04	18.87	18.78			
10	QPSK	25	25	18.75	19.12	18.75			
10	QPSK	50	0	18.88	18.99	18.96	20	1	
10	16QAM	1	0	19.03	19.13	19.21			
10	16QAM	1	25	19.05	19.23	19.27			
10	16QAM	1	49	19.09	19.30	19.13	19	2	
10	16QAM	25	0	17.94	18.04	18.18			
10	16QAM	25	12	18.12	17.93	17.88			
10	16QAM	25	25	18.00	18.12	18.04	19	2	
10	16QAM	50	0	17.82	18.02	17.90			
10	64QAM	1	0	18.04	17.90	17.78			
10	64QAM	1	25	17.90	17.88	17.91	19	2	
10	64QAM	1	49	17.78	18.03	18.05			
10	64QAM	25	0	16.99	17.01	17.00			
10	64QAM	25	12	17.16	17.15	17.07	18	3	
10	64QAM	25	25	16.98	17.02	17.05			
10	64QAM	50	0	16.88	17.02	16.99			
10	256QAM	1	0	14.99	14.91	15.07	16	5	
10	256QAM	1	25	15.06	15.12	15.04			
10	256QAM	1	49	15.04	14.99	15.04			
10	256QAM	25	0	15.01	15.10	14.98	16	5	
10	256QAM	25	12	14.98	14.93	14.99			
10	256QAM	25	25	15.16	15.14	14.99			
10	256QAM	50	0	14.92	15.04	15.14			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.00	19.98	19.91	21	0	
5	QPSK	1	12	19.98	19.89	19.96			
5	QPSK	1	24	19.92	19.96	19.82			
5	QPSK	12	0	18.97	18.99	18.98	20	1	
5	QPSK	12	7	19.01	18.85	18.89			
5	QPSK	12	13	18.82	19.00	18.85			
5	QPSK	25	0	18.90	18.98	18.93	20	1	
5	16QAM	1	0	19.17	19.14	19.34			
5	16QAM	1	12	19.20	19.37	19.26			
5	16QAM	1	24	19.08	19.20	19.13	20	1	
5	16QAM	12	0	18.02	18.06	18.18			
5	16QAM	12	7	18.13	17.98	17.87			
5	16QAM	12	13	17.98	18.12	18.09	19	2	
5	16QAM	25	0	17.96	18.06	17.91			
5	64QAM	1	0	17.85	17.89	17.77			
5	64QAM	1	12	17.80	17.98	17.94	19	2	
5	64QAM	1	24	17.86	19.00	18.80			
5	64QAM	12	0	16.90	17.06	16.90			
5	64QAM	12	7	17.12	17.05	17.15	18	3	
5	64QAM	12	13	16.92	16.96	17.14			
5	64QAM	25	0	16.92	17.01	17.05			
5	256QAM	1	0	14.98	14.97	15.03	16	5	
5	256QAM	1	12	15.10	15.11	15.01			
5	256QAM	1	24	15.11	14.96	14.96			
5	256QAM	12	0	14.95	15.08	15.08	16	5	
5	256QAM	12	7	15.04	15.01	15.02			
5	256QAM	12	13	15.01	15.16	15.02			
5	256QAM	25	0	14.93	14.96	15.04			



Band 42 FCC Part27Q Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power		Power		Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				42190	42590	42590		22.1	0
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.90	20.97	20.96		22.1	0
20	QPSK	1	49	20.88	20.84	20.94			
20	QPSK	1	99	20.80	20.84	20.71			
20	QPSK	50	0	20.89	20.94	20.92			
20	QPSK	50	24	20.89	20.91	20.89		22.1	0
20	QPSK	50	50	20.74	20.91	20.81			
20	QPSK	100	0	20.89	20.91	20.69			
20	16QAM	1	0	20.91	20.85	20.87		22.1	0
20	16QAM	1	49	20.78	20.96	20.94			
20	16QAM	1	99	20.74	20.81	20.77			
20	16QAM	50	0	20.12	20.09	20.13			
20	16QAM	50	24	20.18	20.08	20.14		21.1	1
20	16QAM	50	50	20.05	20.18	20.08			
20	16QAM	100	0	20.21	20.10	20.14			
20	64QAM	1	0	19.84	19.72	19.71		21.1	1
20	64QAM	1	49	19.86	19.83	19.79			
20	64QAM	1	99	19.69	19.65	19.70			
20	64QAM	50	0	19.23	19.13	19.08			
20	64QAM	50	24	19.84	19.13	19.12		20.1	2
20	64QAM	50	50	19.21	19.10	19.09			
20	64QAM	100	0	19.05	19.08	18.96			
20	256QAM	1	0	16.93	16.85	16.84		18.1	4
20	256QAM	1	49	16.95	16.74	16.94			
20	256QAM	1	99	16.95	16.85	16.76			
20	256QAM	50	0	16.99	17.09	17.03			
20	256QAM	50	24	17.06	17.14	17.19		18.1	4
20	256QAM	50	50	17.19	16.99	17.18			
20	256QAM	100	0	17.02	17.05	16.94			
Channel				42165	42590	43015		22.1	0
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.76	20.86	20.77		22.1	0
15	QPSK	1	37	20.68	20.75	20.75			
15	QPSK	1	74	20.61	20.76	20.63			
15	QPSK	36	0	20.77	20.75	20.85			
15	QPSK	36	20	20.85	20.79	20.86		22.1	0
15	QPSK	36	39	20.88	20.82	20.72			
15	QPSK	75	0	20.72	20.75	20.56			
15	16QAM	1	0	20.88	20.68	20.92		22.1	0
15	16QAM	1	37	20.67	20.85	20.76			
15	16QAM	1	74	20.82	20.79	20.73			
15	16QAM	36	0	19.96	19.96	20.03			
15	16QAM	36	20	20.09	20.00	20.01		21.1	1
15	16QAM	36	39	19.96	19.99	19.90			
15	16QAM	75	0	20.03	20.02	19.99			
15	64QAM	1	0	19.72	19.60	19.61		21.1	1
15	64QAM	1	37	19.51	19.50	19.62			
15	64QAM	1	74	19.56	19.47	19.65			
15	64QAM	36	0	19.16	19.04	18.93			
15	64QAM	36	20	18.84	19.08	18.97		20.1	2
15	64QAM	36	39	19.09	18.94	18.93			
15	64QAM	75	0	18.96	19.04	18.85			
15	256QAM	1	0	16.76	16.81	16.72		18.1	4
15	256QAM	1	37	16.96	16.54	16.68			
15	256QAM	1	74	16.77	16.75	16.69			
15	256QAM	36	0	16.86	17.00	16.98			
15	256QAM	36	20	17.00	17.02	17.09		18.1	4
15	256QAM	36	39	17.01	16.89	17.11			
15	256QAM	75	0	16.83	16.93	16.83			
Channel				42140	42590	43040		22.1	0
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.80	20.85	20.70		22.1	0
10	QPSK	1	25	20.80	20.80	20.76			
10	QPSK	1	49	20.95	20.67	20.67			
10	QPSK	25	0	20.76	20.79	20.90			
10	QPSK	25	12	20.70	20.72	20.65		22.1	0
10	QPSK	25	25	20.84	20.84	20.65			
10	QPSK	50	0	20.71	20.77	20.53			
10	16QAM	1	0	20.80	20.70	20.78		22.1	0
10	16QAM	1	25	20.74	20.87	20.91			
10	16QAM	1	49	20.59	20.94	20.61			
10	16QAM	25	0	19.94	19.94	19.96			
10	16QAM	25	12	20.05	19.99	20.00		21.1	1
10	16QAM	25	25	19.85	20.09	20.03			
10	16QAM	50	0	20.08	19.90	19.94			
10	64QAM	1	0	19.75	19.53	19.61		21.1	1
10	64QAM	1	25	19.56	19.48	19.59			
10	64QAM	1	49	19.60	19.46	19.58			
10	64QAM	25	0	19.11	19.04	18.94			
10	64QAM	25	12	18.86	18.94	18.93		20.1	2
10	64QAM	25	25	19.12	19.96	19.03			
10	64QAM	50	0	18.94	18.90	18.79			
10	256QAM	1	0	16.81	16.70	16.76		18.1	4
10	256QAM	1	25	16.75	16.68	16.81			
10	256QAM	1	49	16.75	16.75	16.68			
10	256QAM	25	0	16.96	16.91	16.84			
10	256QAM	25	12	16.94	17.01	17.09		18.1	4
10	256QAM	25	25	17.06	16.79	17.01			
10	256QAM	50	0	16.87	16.89	16.78			
Channel				42115	42590	43065		22.1	0
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.77	20.90	20.71		22.1	0
5	QPSK	1	12	20.82	20.81	20.82			
5	QPSK	1	24	20.67	20.79	20.65			
5	QPSK	12	0	20.70	20.73	20.75			
5	QPSK	12	7	20.78	20.82	20.76		22.1	0
5	QPSK	12	13	20.57	20.79	20.69			
5	QPSK	25	0	20.75	20.78	20.67			
5	16QAM	1	0	20.87	20.71	20.95		22.1	0
5	16QAM	1	12	20.57	20.88	20.87			
5	16QAM	1	24	20.56	20.87	20.59			
5	16QAM	12	0	20.05	19.89	20.03			
5	16QAM	12	7	19.99	19.99	20.09		21.1	1
5	16QAM	12	13	19.98	20.14	19.94			
5	16QAM	25	0	20.13	19.99	20.00			
5	64QAM	1	0	19.74	19.55	19.64		21.1	1
5	64QAM	1	12	19.57	19.57	19.65			
5	64QAM	1	24	19.56	19.49	19.59			
5	64QAM	12	0	19.07	18.94	18.98			
5	64QAM	12	7	18.85	18.93	18.99		20.1	2
5	64QAM	12	13	19.02	18.93	19.02			
5	64QAM	25	0	18.92	18.94	18.78			
5	256QAM	1	0	16.87	16.89	16.72		18.1	4
5	256QAM	1	12	16.89	16.66	16.81			
5	256QAM	1	24	16.75	16.71	16.70			
5	256QAM	12	0	16.89	16.99	17.02			
5	256QAM	12	13	17.02	16.90	17.11		18.1	4
5	256QAM	25	0	16.90	16.90	16.77			



Reduced Power Mode for ECI6

GSM850 Amd TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	834.4	844.6	824.2	834.4	844.6		
GSM 1 Tx slot	31.87	31.92	31.92	33.50	22.87	22.96	22.92	23.50
GPRS 1 Tx slot	31.77	31.86	31.74	33.50	22.77	22.86	22.74	24.50
GPRS 2 Tx slots	28.85	28.88	28.81	28.50	22.85	22.88	22.81	23.50
GPRS 3 Tx slots	27.13	27.17	27.04	28.00	22.87	22.91	22.78	23.74
GPRS 4 Tx slots	25.88	25.94	25.88	27.50	22.88	22.94	22.88	23.50
EDGE 1 Tx slot	28.34	28.40	28.26	27.50	17.34	17.40	17.26	18.50
EDGE 2 Tx slots	25.11	25.22	25.17	28.00	19.11	19.22	19.17	20.00
EDGE 3 Tx slots	23.03	23.07	23.03	24.00	18.77	18.81	18.77	19.74
EDGE 4 Tx slots	21.78	21.85	21.71	23.00	18.78	18.85	18.71	20.00

GSM1900 Amd TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	861	810		512	861	810	
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8		
GSM 1 Tx slot	28.51	28.55	28.49	29.50	19.51	19.55	19.49	20.50
GPRS 1 Tx slot	28.40	28.50	28.42	28.50	19.40	19.50	19.42	20.50
GPRS 2 Tx slots	25.40	25.52	25.40	28.50	19.40	19.52	19.40	20.50
GPRS 3 Tx slots	23.87	23.78	23.72	25.00	19.41	19.52	19.46	20.74
GPRS 4 Tx slots	22.68	22.71	22.60	24.00	19.68	19.71	19.60	21.00
EDGE 1 Tx slot	24.46	24.60	24.52	25.00	15.46	15.60	15.52	16.50
EDGE 2 Tx slots	23.22	23.26	23.14	24.00	17.22	17.26	17.14	18.00
EDGE 3 Tx slots	20.70	20.81	20.78	22.00	16.44	16.55	16.52	17.74
EDGE 4 Tx slots	19.00	19.06	18.99	20.00	16.00	16.06	15.99	17.00

Band TX Channel	WCDMA 3 Amd			Tune-up Limit (dBm)	WCDMA 4 Amd			WCDMA 5 Amd			Tune-up Limit (dBm)	
	9282	9400	9638		1312	1413	1513	4132	4142	4233		
Rx Channel	9662	9600	9638		1537	1638	1738	4357	4407	4458		
Frequency (MHz)	1852.4	1860	1807.6	1717.4	1723.3	1729.2		3307.4	3307.4	3313		
3GPP Rel 99 AMR 12.2kbps	20.81	20.99	20.97	22.00	20.95	20.98	20.94	22.00	22.19	22.27	22.11	23.00
3GPP Rel 99 RMC 12.2kbps	20.88	21.00	20.98	22.00	20.97	20.99	20.86	22.00	22.21	22.28	22.12	23.00
3GPP Rel 6 HSDPA Subtest-1	19.95	20.12	19.73	21.00	19.85	19.80	19.90	21.00	21.24	21.28	21.21	22.00
3GPP Rel 6 HSDPA Subtest-2	19.97	20.11	19.70	21.00	19.75	19.81	19.84	21.00	21.15	21.20	21.04	22.00
3GPP Rel 6 HSDPA Subtest-3	19.48	19.34	19.21	20.50	19.46	19.53	19.48	20.50	20.81	20.85	20.72	21.50
3GPP Rel 6 HSDPA Subtest-4	19.43	19.42	19.30	20.50	19.60	19.35	19.50	20.50	20.80	20.73	20.84	21.50
3GPP Rel 6 DC-HSDPA Subtest-1	19.87	20.12	19.69	21.00	19.63	19.97	19.72	21.00	21.31	21.25	21.07	22.00
3GPP Rel 6 DC-HSDPA Subtest-2	19.68	20.14	20.04	21.00	19.88	20.10	19.92	21.00	21.26	21.34	21.26	22.00
3GPP Rel 6 DC-HSDPA Subtest-3	19.16	19.55	19.28	20.50	19.29	19.56	19.43	20.50	20.75	20.75	20.84	21.50
3GPP Rel 6 DC-HSDPA Subtest-4	19.49	19.38	19.33	20.50	19.58	19.45	19.23	20.50	20.83	20.71	20.81	21.50
3GPP Rel 6 HSUPA Subtest-1	19.93	20.10	19.91	21.00	20.07	20.09	19.71	21.00	21.34	21.37	21.00	22.00
3GPP Rel 6 HSUPA Subtest-2	17.71	17.92	17.97	19.00	18.11	17.71	17.96	19.00	19.12	19.30	19.01	20.00
3GPP Rel 6 HSUPA Subtest-3	19.00	18.72	18.76	20.00	18.92	18.92	18.89	20.00	20.13	20.39	20.01	21.00
3GPP Rel 6 HSUPA Subtest-4	18.00	17.86	17.64	19.00	17.74	18.09	17.98	19.00	19.26	19.38	19.08	20.00
3GPP Rel 6 HSUPA Subtest-5	19.89	19.70	20.02	21.00	20.11	19.71	19.83	21.00	21.32	21.28	21.06	22.00
3GPP Rel 7 HSPA+ (6QAM) Subtest-1	17.44	17.47	17.57	18.50	17.48	17.17	17.03	18.50	18.64	18.68	18.75	19.50



Table for Band 2 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (Ch, Freq), Power (HP, Ch, Freq), Turn-up (min), MPR (dB), and MRR (dB). Rows list various channel configurations and their parameters.

Table for Band 4 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (Ch, Freq), Power (HP, Ch, Freq), Turn-up (min), MPR (dB), and MRR (dB). Rows list various channel configurations and their parameters.

Table for Band 5 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (Ch, Freq), Power (HP, Ch, Freq), Turn-up (min), MPR (dB), and MRR (dB). Rows list various channel configurations and their parameters.

Table for Band 7 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (Ch, Freq), Power (HP, Ch, Freq), Turn-up (min), MPR (dB), and MRR (dB). Rows list various channel configurations and their parameters.





Table with columns: BW MHz, Modulation, RB Size, RB Offset, Power Ch./Freq., Power Low Ch./Freq., Power High Ch./Freq., Turnup Int. (dBm), MPR (dB). Title: Band 26 for FCC Ant0.

Table with columns: BW MHz, Modulation, RB Size, RB Offset, Power Ch./Freq., Power Low Ch./Freq., Power High Ch./Freq., Turnup Int. (dBm), MPR (dB). Title: Band 66 Ant0.

Table with columns: BW MHz, Modulation, RB Size, RB Offset, Power Ch./Freq., Power Low Ch./Freq., Power High Ch./Freq., Turnup Int. (dBm), MPR (dB). Title: Band 71 Ant0.





Appendix E

GSM850 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	199	201	203		199	201	203	
TX Channel	199	201	203	199	201	203	199	201
Frequency (MHz)	824.2	834.4	844.6	824.2	834.4	844.6	824.2	834.4
GSM 1 Tx slot	31.45	31.57	31.52	33.00	22.45	22.57	22.52	24.00
GPRS 1 Tx slots	31.43	31.51	31.47	33.00	22.43	22.51	22.47	24.00
GPRS 2 Tx slots	28.45	28.52	28.44	29.50	22.45	22.52	22.44	23.50
GPRS 3 Tx slots	28.71	28.80	28.77	27.50	22.45	22.54	22.51	23.24
GPRS 4 Tx slots	25.84	25.77	25.73	27.00	22.64	22.77	22.73	24.00
EDGE 1 Tx slot	26.13	26.21	26.11	27.50	17.13	17.21	17.11	18.50
EDGE 2 Tx slots	24.96	24.94	24.98	26.00	18.86	18.94	18.88	20.00
EDGE 3 Tx slots	22.83	22.97	22.84	24.00	18.57	18.71	18.58	19.74
EDGE 4 Tx slots	21.57	21.61	21.54	22.50	18.57	18.61	18.54	19.50

GSM1900 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512 <td>661 <td>810 <td>512 <td>661 <td>810 <td>512 <td>661 </td></td></td></td></td></td></td>	661 <td>810 <td>512 <td>661 <td>810 <td>512 <td>661 </td></td></td></td></td></td>	810 <td>512 <td>661 <td>810 <td>512 <td>661 </td></td></td></td></td>	512 <td>661 <td>810 <td>512 <td>661 </td></td></td></td>	661 <td>810 <td>512 <td>661 </td></td></td>	810 <td>512 <td>661 </td></td>	512 <td>661 </td>	661
Frequency (MHz)	1523.2	1650	1803.2	1523.2	1650	1803.2	1523.2	1650
GSM 1 Tx slot	29.63	29.55	29.65	30.50	19.83	19.95	19.85	21.50
GPRS 1 Tx slot	28.77	28.88	28.79	30.50	19.77	19.88	19.79	21.50
GPRS 2 Tx slots	25.82	25.88	25.77	28.50	19.82	19.88	19.77	20.50
GPRS 3 Tx slots	24.00	24.13	24.01	25.00	19.74	19.87	19.75	20.74
GPRS 4 Tx slots	22.77	22.86	22.82	24.50	19.77	19.86	19.82	21.50
EDGE 1 Tx slot	24.89	24.83	24.69	26.00	15.69	15.83	15.69	17.00
EDGE 2 Tx slots	23.44	23.53	23.49	24.50	17.44	17.53	17.49	18.50
EDGE 3 Tx slots	20.81	20.93	20.89	22.00	16.55	16.67	16.63	17.74
EDGE 4 Tx slots	19.49	19.59	19.49	20.50	16.49	16.59	16.49	17.50

Band	TX Channel	Rx Channel	WCDMA II Ant1			Tune-up Limit (dBm)	WCDMA IV Ant1			WCDMA V Ant1			Tune-up Limit (dBm)
			5538	5938	6338		1312	1413	1513	4100	4192	4293	
	Frequency (MHz)	962	960	958	1312	1317	1333	1738	4100	4192	4293		
		1862.4	1860	1857.6	1712.4	1732.6	1752.6	626.4	636.4	646.6			
IGPP Rel 99	AMR 12.2Kbps	20.60	20.70	20.65	22.00	19.67	19.71	19.59	21.00	21.68	21.72	21.67	23.00
IGPP Rel 99	AMR 12.2Kbps	20.61	20.71	20.67	22.00	19.64	19.75	19.68	21.00	21.71	21.74	21.69	23.00
IGPP Rel 6	HSDPA Subtest-1	19.84	19.39	19.80	21.00	18.71	18.41	18.64	20.00	20.47	20.63	20.68	22.00
IGPP Rel 6	HSDPA Subtest-2	19.63	19.65	19.57	21.00	18.47	18.60	18.55	20.00	20.47	20.56	20.47	22.00
IGPP Rel 6	HSDPA Subtest-3	18.96	19.20	19.08	20.50	17.96	18.00	17.94	19.50	20.05	20.28	19.95	21.50
IGPP Rel 6	HSDPA Subtest-4	18.87	19.09	19.07	20.50	18.20	18.14	17.90	19.50	20.25	20.11	20.13	21.50
IGPP Rel 8	DC-HSDPA Subtest-1	19.60	19.60	19.58	21.00	18.50	18.63	18.61	20.00	20.74	20.75	20.63	22.00
IGPP Rel 8	DC-HSDPA Subtest-2	19.49	19.45	19.53	21.00	18.44	18.55	18.63	20.00	20.47	20.59	20.68	22.00
IGPP Rel 8	DC-HSDPA Subtest-3	18.80	19.08	19.07	20.50	18.11	17.99	17.98	19.50	20.01	20.04	20.02	21.50
IGPP Rel 8	DC-HSDPA Subtest-4	19.23	19.15	19.17	20.50	18.10	18.25	18.11	19.50	20.07	20.22	20.25	21.50
IGPP Rel 6	HSUPA Subtest-1	19.59	19.71	19.49	21.00	18.70	18.75	18.56	20.00	20.46	20.73	20.46	22.00
IGPP Rel 6	HSUPA Subtest-2	17.41	17.57	17.52	19.00	16.52	16.65	16.51	18.00	18.64	18.63	18.67	20.00
IGPP Rel 6	HSUPA Subtest-3	18.63	18.56	18.59	20.00	17.71	17.48	17.37	19.00	19.60	19.62	19.60	21.00
IGPP Rel 6	HSUPA Subtest-4	17.56	17.56	17.54	19.00	16.47	16.64	16.63	18.00	18.47	18.26	18.63	20.00
IGPP Rel 6	HSUPA Subtest-5	19.45	19.74	19.42	21.00	18.68	18.59	18.49	20.00	20.70	20.65	20.71	22.00
IGPP Rel 7	HSRA+ (10QAM) Subtest-1	17.00	17.09	17.05	18.50	15.97	16.03	15.96	17.50	18.14	18.18	17.98	19.50







Band 26 for FCC Ant1 table with columns: BW MHz, Modulation, RB Size, RB Offset, Power Ch./Freq., Power Low Ch./Freq., Power High Ch./Freq., Turnup (dB), MFR (dB)

Band 66 Ant1 table with columns: BW MHz, Modulation, RB Size, RB Offset, Power Ch./Freq., Power Low Ch./Freq., Power High Ch./Freq., Turnup (dB), MFR (dB)

Band 71 Ant1 table with columns: BW MHz, Modulation, RB Size, RB Offset, Power Ch./Freq., Power Low Ch./Freq., Power High Ch./Freq., Turnup (dB), MFR (dB)

Band 38 Ant1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mid, Power High, Power High, Tune-up (dBm), MPR (dB). Contains data for various channels and frequencies.

Band 41 Ant1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mid, Power High, Power High, Tune-up (dBm), MPR (dB). Contains data for various channels and frequencies.

Band 41 HPUE Ant1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mid, Power High, Power High, Tune-up (dBm), MPR (dB). Contains data for various channels and frequencies.



Appendix E

	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
	572	661	810		572	661	810	
TX Channel	1850.2	1850	1850.8	30.50	20.42	20.51	20.40	21.50
Frequency (MHz)	29.42	29.51	29.40	30.50	20.42	20.51	20.40	21.50
GSM-1 Tx slot	29.41	29.45	29.39	30.50	20.41	20.45	20.39	21.50
GPRS-2 Tx slots	26.45	26.48	26.38	27.50	20.45	20.48	20.38	21.50
GPRS-3 Tx slots	24.64	24.74	24.66	25.50	20.38	20.48	20.40	21.24
GPRS-4 Tx slots	23.44	23.48	23.37	24.50	20.44	20.48	20.37	21.50
EDGE-1 Tx slot	25.78	25.85	25.76	27.00	18.78	18.85	18.76	18.00
EDGE-2 Tx slots	24.44	24.58	24.51	25.50	18.44	18.58	18.51	19.50
EDGE-3 Tx slots	21.95	21.98	21.84	23.00	17.69	17.72	17.58	18.74
EDGE-4 Tx slots	20.53	20.66	20.61	21.50	17.53	17.66	17.61	18.50

	WCDMA II Ant2			Tune-up Limit (dbm)	WCDMA IV Ant2			Tune-up Limit (dbm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9662	9800	9938	21.00	1537	1638	1738	23.70
Rx Channel	1322.4	1330	1327.6	24.00	1724	1732.6	1727.6	23.70
Frequency (MHz)	22.29	22.33	22.23	24.00	22.21	22.24	22.15	23.70
3GPP Rel 99 RMC 12.2Kbps	22.29	22.32	22.24	24.00	22.22	22.27	22.18	23.70
3GPP Rel 6 HSDPA Subtest-1	21.09	21.39	21.11	23.00	21.03	21.39	21.11	22.70
3GPP Rel 6 HSDPA Subtest-2	21.25	21.27	21.02	23.00	21.22	21.21	21.03	22.70
3GPP Rel 6 HSDPA Subtest-3	20.58	20.75	20.54	22.50	20.58	20.68	20.54	22.20
3GPP Rel 6 HSDPA Subtest-4	20.68	20.78	20.66	22.50	20.66	20.78	20.65	22.20
3GPP Rel 8 DCHSDPA Subtest-1	21.12	21.25	21.08	23.00	21.07	21.21	21.09	23.70
3GPP Rel 8 DCHSDPA Subtest-2	21.18	21.22	21.28	23.00	21.15	21.15	21.20	23.70
3GPP Rel 8 DCHSDPA Subtest-3	20.82	20.63	20.73	22.50	20.56	20.83	20.69	23.20
3GPP Rel 8 DCHSDPA Subtest-4	20.75	20.70	20.62	22.50	20.71	20.70	20.56	23.20
3GPP Rel 6 HSUPA Subtest-1	21.23	21.23	21.07	23.00	21.24	21.22	21.06	23.70
3GPP Rel 6 HSUPA Subtest-2	19.29	19.35	19.09	21.00	19.20	19.25	19.04	21.70
3GPP Rel 6 HSUPA Subtest-3	20.20	20.21	20.17	22.00	20.22	20.12	20.16	22.70
3GPP Rel 6 HSUPA Subtest-4	19.17	19.20	18.04	21.00	19.17	19.27	19.05	21.70
3GPP Rel 6 HSUPA Subtest-5	21.26	21.31	21.22	23.00	21.19	21.32	21.16	23.70
3GPP Rel 7 HSPA+ (EPCAM) Subtest-1	18.79	18.94	18.52	20.50	18.73	18.79	18.53	21.20









Appendix E

GSM1900 AHS	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	961	810		512	961	810	
TX Channel	1529.2	1860	1929.8	30.50	20.69	20.82	20.71	21.50
Frequency (MHz)	29.69	29.82	29.71	30.50	20.67	20.76	20.70	21.50
GSM-1 Tx slot	29.67	29.76	29.70	30.50	20.67	20.76	20.70	21.50
GPRS-2 Tx slots	26.74	26.77	26.83	27.50	20.74	20.77	20.83	21.50
GPRS-3 Tx slots	24.91	25.02	24.98	26.00	20.65	20.76	20.72	21.74
GPRS-4 Tx slots	23.80	23.87	23.85	25.00	20.80	20.87	20.85	22.00
EDGE-1 Tx slot	25.90	26.01	25.91	27.00	16.90	17.01	16.91	18.00
EDGE-2 Tx slots	24.68	24.74	24.83	25.50	18.68	18.74	18.83	19.50
EDGE-3 Tx slots	22.05	22.14	22.12	23.00	17.79	17.88	17.86	18.74
EDGE-4 Tx slots	20.48	20.61	20.57	21.50	17.48	17.61	17.57	18.50

Band	WCDMA II AHS			Tune-up Limit (dBm)	WCDMA II AHS			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	8662	8800	8938	1537	1638	1738		
Rx Channel	8662	8800	8938	1537	1638	1738		
Frequency (MHz)	1927.4	1920	1927.6	21.50	22.23	22.25	23.00	
3GPP Rel 99	AMR 12.2Kbps	20.75	20.84	20.19	21.50	22.23	22.25	
3GPP Rel 99	RMC 12.2Kbps	20.81	20.86	20.75	21.50	22.31	22.33	
3GPP Rel 6	HSDPA Subtest-1	19.85	19.84	19.84	20.50	21.32	21.29	
3GPP Rel 6	HSDPA Subtest-2	19.74	19.75	19.82	20.50	21.25	21.01	
3GPP Rel 6	HSDPA Subtest-3	19.17	19.10	19.03	20.00	20.71	20.67	
3GPP Rel 6	HSDPA Subtest-4	19.12	19.07	19.15	20.00	20.58	20.61	
3GPP Rel 6	DCHSDPA Subtest-1	19.61	19.78	19.60	20.50	21.07	21.26	
3GPP Rel 6	DCHSDPA Subtest-2	19.59	19.79	19.76	20.50	21.10	21.33	
3GPP Rel 6	DCHSDPA Subtest-3	19.24	19.18	19.11	20.00	20.75	20.67	
3GPP Rel 6	DCHSDPA Subtest-4	19.18	19.20	19.30	20.00	20.65	20.71	
3GPP Rel 6	HSUPA Subtest-1	19.66	19.59	19.80	20.50	21.17	21.13	
3GPP Rel 6	HSUPA Subtest-2	17.53	17.67	17.62	16.50	18.05	18.16	
3GPP Rel 6	HSUPA Subtest-3	18.90	18.83	18.51	19.50	20.37	20.37	
3GPP Rel 6	HSUPA Subtest-4	17.75	17.83	17.58	16.50	19.32	19.26	
3GPP Rel 6	HSUPA Subtest-5	19.75	19.85	19.52	20.50	21.32	21.34	
3GPP Rel 7	HSPA+ (eHSPA) Subtest-1	17.34	17.33	17.27	16.00	18.75	18.83	



Table for Band 2 Ant9, containing columns for BW (MHz), Modulation, RB Size, RB Offset, Power, Power Ch./Freq., Power Hsp./Ch./Freq., Tune-up (MHz), MPR (dB), and MPR (dB). It lists various frequency configurations and their corresponding parameters.

Table for Band 4 Ant9, containing columns for BW (MHz), Modulation, RB Size, RB Offset, Power, Power Ch./Freq., Power Hsp./Ch./Freq., Tune-up (MHz), MPR (dB), and MPR (dB). It lists various frequency configurations and their corresponding parameters.

Table for Band 7 Ant9, containing columns for BW (MHz), Modulation, RB Size, RB Offset, Power, Power Ch./Freq., Power Hsp./Ch./Freq., Tune-up (MHz), MPR (dB), and MPR (dB). It lists various frequency configurations and their corresponding parameters.







Band 42 FCC Part27Q 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				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	21.45	21.68	21.54	22.7	0
20	QPSK	1	49	21.41	21.63	21.52		
20	QPSK	1	99	21.44	21.59	21.65		
20	QPSK	50	0	21.49	21.65	21.62		
20	QPSK	50	24	21.41	21.58	21.54		
20	QPSK	50	50	21.38	21.56	21.62		
20	QPSK	100	0	21.43	21.63	21.60		
20	16QAM	1	0	21.48	21.61	21.50		
20	16QAM	1	49	21.39	21.59	21.51		
20	16QAM	1	99	21.49	21.55	21.62		
20	16QAM	50	0	20.85	20.95	21.07		
20	16QAM	50	24	21.03	20.96	20.93		
20	16QAM	50	50	20.82	20.96	20.87		
20	16QAM	100	0	21.01	20.93	20.90		
20	64QAM	1	0	20.43	20.53	20.56		
20	64QAM	1	49	20.64	20.53	20.51		
20	64QAM	1	99	20.63	20.48	20.47		
20	64QAM	50	0	20.08	19.98	19.98		
20	64QAM	50	24	19.97	19.98	19.98		
20	64QAM	50	50	20.03	19.92	20.01		
20	64QAM	100	0	19.83	19.94	20.03		
20	256QAM	1	0	17.83	17.75	17.74		
20	256QAM	1	49	17.85	17.72	17.77		
20	256QAM	1	99	17.82	17.63	17.70		
20	256QAM	50	0	18.08	17.96	18.02		
20	256QAM	50	24	18.05	17.85	18.04		
20	256QAM	50	50	17.87	17.99	18.08		
20	256QAM	100	0	17.80	17.93	17.97		
Channel				42165	42590	43015		
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	21.31	21.50	21.44	22.7	0
15	QPSK	1	37	21.23	21.51	21.48		
15	QPSK	1	74	21.41	21.42	21.52		
15	QPSK	36	0	21.39	21.56	21.45		
15	QPSK	36	20	21.25	21.42	21.45		
15	QPSK	36	39	21.32	21.49	21.51		
15	QPSK	75	0	21.30	21.52	21.46		
15	16QAM	1	0	21.40	21.58	21.53		
15	16QAM	1	37	21.32	21.55	21.33		
15	16QAM	1	74	21.40	21.46	21.56		
15	16QAM	36	0	20.75	20.85	21.02		
15	16QAM	36	20	20.87	20.88	20.77		
15	16QAM	36	39	20.66	20.80	20.74		
15	16QAM	75	0	20.86	20.83	20.73		
15	64QAM	1	0	20.26	20.42	20.51		
15	64QAM	1	37	20.60	20.42	20.39		
15	64QAM	1	74	20.38	20.36	20.30		
15	64QAM	36	0	20.02	19.91	19.91		
15	64QAM	36	20	19.90	19.95	19.78		
15	64QAM	36	39	19.86	19.79	19.85		
15	64QAM	75	0	19.69	19.78	19.96		
15	256QAM	1	0	17.71	17.72	17.88		
15	256QAM	1	37	17.71	17.69	17.74		
15	256QAM	1	74	17.68	17.46	17.56		
15	256QAM	36	0	18.02	17.86	17.99		
15	256QAM	36	20	17.93	17.73	18.00		
15	256QAM	36	39	17.71	17.90	18.06		
15	256QAM	75	0	17.65	17.87	17.91		
Channel				42140	42590	43040		
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	21.29	21.51	21.39	22.7	0
10	QPSK	1	25	21.24	21.50	21.36		
10	QPSK	1	49	21.37	21.47	21.52		
10	QPSK	25	0	21.37	21.62	21.46		
10	QPSK	25	12	21.37	21.38	21.47		
10	QPSK	25	25	21.35	21.51	21.59		
10	QPSK	50	0	21.31	21.54	21.57		
10	16QAM	1	0	21.41	21.57	21.55		
10	16QAM	1	25	21.36	21.54	21.36		
10	16QAM	1	49	21.47	21.38	21.58		
10	16QAM	25	0	20.69	20.79	21.05		
10	16QAM	25	12	20.86	20.93	20.89		
10	16QAM	25	25	20.72	20.78	20.80		
10	16QAM	50	0	20.85	20.89	20.82		
10	64QAM	1	0	20.30	20.45	20.43		
10	64QAM	1	25	20.50	20.48	20.44		
10	64QAM	1	49	20.42	20.31	20.43		
10	64QAM	25	0	20.04	19.89	19.93		
10	64QAM	25	12	19.82	19.91	19.94		
10	64QAM	25	25	19.93	19.89	19.91		
10	64QAM	50	0	19.79	19.91	19.97		
10	256QAM	1	0	17.73	17.68	17.59		
10	256QAM	1	25	17.80	17.70	17.74		
10	256QAM	1	49	17.78	17.47	17.61		
10	256QAM	25	0	17.85	17.83	17.94		
10	256QAM	25	12	17.94	17.69	17.93		
10	256QAM	25	25	17.78	17.91	17.91		
10	256QAM	50	0	17.62	17.79	17.91		
Channel				42115	42590	43065		
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	21.37	21.53	21.40	22.7	0
5	QPSK	1	12	21.34	21.49	21.44		
5	QPSK	1	24	21.36	21.54	21.50		
5	QPSK	12	0	21.46	21.55	21.55		
5	QPSK	12	7	21.37	21.51	21.44		
5	QPSK	12	13	21.26	21.41	21.57		
5	QPSK	25	0	21.27	21.51	21.56		
5	16QAM	1	0	21.31	21.58	21.57		
5	16QAM	1	12	21.29	21.47	21.44		
5	16QAM	1	24	21.40	21.48	21.46		
5	16QAM	12	0	20.81	20.91	20.98		
5	16QAM	12	7	20.86	20.93	20.79		
5	16QAM	12	13	20.70	20.81	20.78		
5	16QAM	25	0	20.86	20.86	20.81		
5	64QAM	1	0	20.34	20.42	20.39		
5	64QAM	1	12	20.59	20.38	20.34		
5	64QAM	1	24	20.36	20.42	20.35		
5	64QAM	12	0	19.95	19.81	19.89		
5	64QAM	12	7	19.88	19.90	19.80		
5	64QAM	12	13	19.97	19.85	19.83		
5	64QAM	25	0	19.69	19.84	19.88		
5	256QAM	1	0	17.73	17.59	17.67		
5	256QAM	1	12	17.71	17.62	17.75		
5	256QAM	1	24	17.74	17.56	17.55		
5	256QAM	12	0	18.01	17.86	17.86		
5	256QAM	12	7	17.88	17.77	17.99		
5	256QAM	12	13	17.77	17.88	18.03		
5	256QAM	25	0	17.65	17.86	17.90		

Band 42 FCC Part27Q Ant4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.06	20.13	20.07	21	0	
20	QPSK	1	49	20.06	20.04	20.08			
20	QPSK	1	99	20.06	20.12	19.91			
20	QPSK	50	0	19.09	19.18	19.06	20	1	
20	QPSK	50	24	19.10	18.99	18.97			
20	QPSK	50	50	18.92	19.17	18.94			
20	QPSK	100	0	19.09	19.13	19.01	20	1	
20	16QAM	1	0	19.22	19.30	19.40			
20	16QAM	1	49	19.26	19.41	19.38			
20	16QAM	1	99	19.22	19.38	19.24	19	2	
20	16QAM	50	0	18.10	18.15	18.27			
20	16QAM	50	24	18.23	18.09	18.15			
20	16QAM	50	50	18.16	18.19	18.18	20	1	
20	16QAM	100	0	18.04	18.16	18.05			
20	64QAM	1	0	18.09	18.06	17.94			
20	64QAM	1	49	17.96	18.03	18.04	19	2	
20	64QAM	1	99	17.85	18.11	18.19			
20	64QAM	50	0	17.09	17.18	17.08			
20	64QAM	50	24	17.21	17.20	17.20	18	3	
20	64QAM	50	50	17.07	17.14	17.21			
20	64QAM	100	0	17.07	17.12	17.11			
20	256QAM	1	0	15.06	15.10	15.19	16	5	
20	256QAM	1	49	15.16	15.22	15.20			
20	256QAM	1	99	15.18	15.05	15.10			
20	256QAM	50	0	15.14	15.18	15.14	16	5	
20	256QAM	50	24	15.09	15.08	15.18			
20	256QAM	50	50	15.21	15.20	15.15			
20	256QAM	100	0	15.06	15.13	15.22			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.95	19.99	19.93	21	0	
15	QPSK	1	37	19.87	19.95	20.04			
15	QPSK	1	74	19.84	20.02	19.82			
15	QPSK	36	0	18.90	19.02	18.91	20	1	
15	QPSK	36	20	18.93	18.94	18.88			
15	QPSK	36	39	18.81	19.06	18.77			
15	QPSK	75	0	18.99	19.01	18.92	20	1	
15	16QAM	1	0	19.15	19.21	19.35			
15	16QAM	1	37	19.19	19.25	19.30			
15	16QAM	1	74	19.09	19.19	19.06	19	2	
15	16QAM	36	0	17.94	18.08	18.18			
15	16QAM	36	20	18.08	17.90	18.03			
15	16QAM	36	39	18.05	18.03	17.99	19	2	
15	16QAM	75	0	17.91	18.06	17.86			
15	64QAM	1	0	18.05	18.00	17.78			
15	64QAM	1	37	17.79	17.94	17.87	19	2	
15	64QAM	1	74	17.67	17.93	18.02			
15	64QAM	36	0	16.90	17.05	16.97			
15	64QAM	36	20	17.10	17.15	17.01	18	3	
15	64QAM	36	39	17.01	16.95	17.06			
15	64QAM	75	0	16.93	16.98	17.02			
15	256QAM	1	0	14.92	14.92	15.03	16	5	
15	256QAM	1	37	15.00	15.02	15.12			
15	256QAM	1	74	15.08	15.00	14.92			
15	256QAM	36	0	15.09	15.10	15.02	16	5	
15	256QAM	36	20	15.00	14.90	15.03			
15	256QAM	36	39	15.03	15.11	15.07			
15	256QAM	75	0	14.98	14.94	15.05			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	19.88	20.09	20.02	21	0	
10	QPSK	1	25	19.90	19.97	19.96			
10	QPSK	1	49	19.86	20.06	19.82			
10	QPSK	25	0	18.92	19.04	18.92	20	1	
10	QPSK	25	12	19.04	18.87	18.78			
10	QPSK	25	25	18.75	19.12	18.75			
10	QPSK	50	0	18.98	18.99	18.96	20	1	
10	16QAM	1	0	19.03	19.13	19.21			
10	16QAM	1	25	19.05	19.23	19.27			
10	16QAM	1	49	19.09	19.30	19.13	19	2	
10	16QAM	25	0	17.94	18.04	18.18			
10	16QAM	25	12	18.12	17.93	17.88			
10	16QAM	25	25	18.00	18.12	18.04	10	0	
10	16QAM	50	0	17.92	18.02	17.90			
10	64QAM	1	0	18.04	17.90	17.78			
10	64QAM	1	25	17.90	17.88	17.91	19	2	
10	64QAM	1	49	17.78	18.03	18.05			
10	64QAM	25	0	16.99	17.01	17.00			
10	64QAM	25	12	17.16	17.15	17.07	18	3	
10	64QAM	25	25	16.98	17.02	17.05			
10	64QAM	50	0	16.88	17.02	16.99			
10	256QAM	1	0	14.99	14.91	15.07	16	5	
10	256QAM	1	25	15.06	15.12	15.04			
10	256QAM	1	49	15.04	14.99	15.04			
10	256QAM	25	0	15.01	15.10	14.98	16	5	
10	256QAM	25	12	14.98	14.93	14.99			
10	256QAM	25	25	15.16	15.14	14.99			
10	256QAM	50	0	14.92	15.04	15.14			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.00	19.98	19.91	21	0	
5	QPSK	1	12	19.98	19.89	19.96			
5	QPSK	1	24	19.92	19.96	19.82			
5	QPSK	12	0	18.97	18.99	18.98	20	1	
5	QPSK	12	7	19.01	18.85	18.89			
5	QPSK	12	13	18.82	19.00	18.85			
5	QPSK	25	0	18.90	18.98	18.93	20	1	
5	16QAM	1	0	19.17	19.14	19.34			
5	16QAM	1	12	19.20	19.37	19.26			
5	16QAM	1	24	19.08	19.20	19.13	20	1	
5	16QAM	12	0	18.02	18.06	18.18			
5	16QAM	12	7	18.13	17.98	17.97			
5	16QAM	12	13	17.98	18.12	18.09	19	2	
5	16QAM	25	0	17.96	18.06	17.91			
5	64QAM	1	0	17.85	17.89	17.77			
5	64QAM	1	12	17.80	17.98	17.94	19	2	
5	64QAM	1	24	17.86	19.00	18.00			
5	64QAM	12	0	16.90	17.06	16.90			
5	64QAM	12	7	17.12	17.05	17.15	18	3	
5	64QAM	12	13	16.92	16.96	17.14			
5	64QAM	25	0	16.92	17.01	17.05			
5	256QAM	1	0	14.96	14.97	15.03	16	5	
5	256QAM	1	12	15.10	15.11	15.01			
5	256QAM	1	24	15.11	14.96	14.96			
5	256QAM	12	0	14.95	15.08	15.08	16	5	
5	256QAM	12	7	15.04	15.01	15.02			
5	256QAM	12	13	15.01	15.16	15.02			
5	256QAM	25	0	14.93	14.96	15.04			



Band 42 FCC Part27Q Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.90	20.97	20.86	22.1	0	
20	QPSK	1	49	20.88	20.84	20.94			
20	QPSK	1	99	20.80	20.84	20.71			
20	QPSK	50	0	20.89	20.94	20.92	22.1	0	
20	QPSK	50	24	20.89	20.91	20.89			
20	QPSK	50	50	20.74	20.91	20.81			
20	QPSK	100	0	20.89	20.91	20.69	22.1	0	
20	16QAM	1	0	20.91	20.85	20.87			
20	16QAM	1	49	20.78	20.96	20.94			
20	16QAM	1	99	20.74	20.81	20.77	21.1	1	
20	16QAM	50	0	20.12	20.09	20.13			
20	16QAM	50	24	20.18	20.08	20.14			
20	16QAM	50	50	20.05	20.18	20.08	21.1	1	
20	16QAM	100	0	20.21	20.10	20.14			
20	64QAM	1	0	19.84	19.72	19.71			
20	64QAM	1	49	19.66	19.63	19.79	21.1	1	
20	64QAM	1	99	19.69	19.65	19.70			
20	64QAM	50	0	19.23	19.13	19.08			
20	64QAM	50	24	19.34	19.13	19.12	20.1	2	
20	64QAM	50	50	19.21	19.10	19.09			
20	64QAM	100	0	19.05	19.08	18.96			
20	256QAM	1	0	16.93	16.85	16.84	18.1	4	
20	256QAM	1	49	16.95	16.74	16.94			
20	256QAM	1	99	16.95	16.85	16.76			
20	256QAM	50	0	16.99	17.09	17.03	18.1	4	
20	256QAM	50	24	17.06	17.14	17.19			
20	256QAM	50	50	17.19	16.99	17.18			
20	256QAM	100	0	17.02	17.05	16.94			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.76	20.86	20.77	22.1	0	
15	QPSK	1	37	20.68	20.75	20.75			
15	QPSK	1	74	20.61	20.76	20.63			
15	QPSK	36	0	20.77	20.75	20.85	22.1	0	
15	QPSK	36	20	20.85	20.79	20.86			
15	QPSK	36	39	20.88	20.82	20.72			
15	QPSK	75	0	20.72	20.75	20.56	22.1	0	
15	16QAM	1	0	20.88	20.68	20.92			
15	16QAM	1	37	20.67	20.85	20.76			
15	16QAM	1	74	20.62	20.79	20.73	21.1	1	
15	16QAM	36	0	19.96	19.96	20.03			
15	16QAM	36	20	20.09	20.00	20.01			
15	16QAM	36	39	19.96	19.99	19.90	21.1	1	
15	16QAM	75	0	20.03	20.02	19.99			
15	64QAM	1	0	19.72	19.60	19.61			
15	64QAM	1	37	19.51	19.50	19.62	21.1	1	
15	64QAM	1	74	19.56	19.47	19.65			
15	64QAM	36	0	19.16	19.04	18.93			
15	64QAM	36	20	18.84	19.08	18.97	20.1	2	
15	64QAM	36	39	19.09	18.94	18.93			
15	64QAM	75	0	18.96	19.04	18.85			
15	256QAM	1	0	16.76	16.81	16.72	18.1	4	
15	256QAM	1	37	16.96	16.54	16.68			
15	256QAM	1	74	16.77	16.75	16.69			
15	256QAM	36	0	16.86	17.00	16.98	18.1	4	
15	256QAM	36	20	17.00	17.02	17.09			
15	256QAM	36	39	17.01	16.89	17.11			
15	256QAM	75	0	16.83	16.93	16.83			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.80	20.85	20.70	22.1	0	
10	QPSK	1	25	20.80	20.80	20.76			
10	QPSK	1	49	20.95	20.67	20.67			
10	QPSK	25	0	20.76	20.79	20.90	22.1	0	
10	QPSK	25	12	20.70	20.72	20.85			
10	QPSK	25	25	20.64	20.84	20.65			
10	QPSK	50	0	20.71	20.77	20.53	22.1	0	
10	16QAM	1	0	20.80	20.70	20.78			
10	16QAM	1	25	20.74	20.87	20.91			
10	16QAM	1	49	20.59	20.94	20.61	22.1	0	
10	16QAM	25	0	19.94	19.94	19.96			
10	16QAM	25	12	20.05	19.99	20.00			
10	16QAM	25	25	19.85	20.09	20.03	21.1	1	
10	16QAM	50	0	20.08	19.90	19.84			
10	64QAM	1	0	19.75	19.53	19.61			
10	64QAM	1	25	19.56	19.46	19.59	21.1	1	
10	64QAM	1	49	19.60	19.46	19.58			
10	64QAM	25	0	19.11	19.04	18.94			
10	64QAM	25	12	18.86	18.94	18.93	20.1	2	
10	64QAM	25	25	19.12	18.96	19.03			
10	64QAM	50	0	18.94	18.90	18.79			
10	256QAM	1	0	16.81	16.70	16.76	18.1	4	
10	256QAM	1	25	16.75	16.68	16.81			
10	256QAM	1	49	16.75	16.75	16.68			
10	256QAM	25	0	16.86	16.91	16.84	18.1	4	
10	256QAM	25	12	16.94	17.01	17.09			
10	256QAM	25	25	17.06	16.79	17.01			
10	256QAM	50	0	16.87	16.89	16.78			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.77	20.90	20.71	22.1	0	
5	QPSK	1	12	20.82	20.81	20.82			
5	QPSK	1	24	20.67	20.79	20.65			
5	QPSK	12	0	20.70	20.73	20.75	22.1	0	
5	QPSK	12	7	20.78	20.82	20.76			
5	QPSK	12	13	20.57	20.79	20.69			
5	QPSK	25	0	20.75	20.78	20.67	22.1	0	
5	16QAM	1	0	20.87	20.71	20.95			
5	16QAM	1	12	20.57	20.88	20.87			
5	16QAM	1	24	20.56	20.87	20.59	22.1	0	
5	16QAM	12	0	20.05	19.89	20.03			
5	16QAM	12	7	19.99	19.99	20.09			
5	16QAM	12	13	19.98	20.14	19.94	21.1	1	
5	16QAM	25	0	20.13	19.99	20.00			
5	64QAM	1	0	19.74	19.55	19.64			
5	64QAM	1	12	19.57	19.57	19.65	21.1	1	
5	64QAM	1	24	19.56	19.49	19.59			
5	64QAM	12	0	19.07	18.94	18.98			
5	64QAM	12	7	18.85	18.93	18.99	20.1	2	
5	64QAM	12	13	19.02	18.93	19.02			
5	64QAM	25	0	18.92	18.94	18.78			
5	256QAM	1	0	16.87	16.89	16.72	18.1	4	
5	256QAM	1	12	16.89	16.66	16.81			
5	256QAM	1	24	16.75	16.71	16.70			
5	256QAM	12	0	16.89	16.99	17.02	18.1	4	
5	256QAM	12	7	16.89	16.99	17.02			
5	256QAM	12	13	17.02	16.90	17.11			
5	256QAM	25	0	16.90	16.90	16.77			

Band 42 FCC Part27Q Ant10									
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	21.12	21.33	21.26	22.5	0	
20	QPSK	1	49	20.84	21.25	21.22			
20	QPSK	1	99	21.02	21.19	21.18			
20	QPSK	50	0	20.21	20.33	20.14	21.5	1	
20	QPSK	50	24	20.17	20.26	20.15			
20	QPSK	50	50	20.23	20.21	20.14			
20	QPSK	100	0	20.23	20.31	20.16	21.5	1	
20	16QAM	1	0	20.43	20.44	20.36			
20	16QAM	1	49	20.39	20.49	20.33			
20	16QAM	1	99	20.49	20.51	20.54	20.5	2	
20	16QAM	50	0	19.32	19.35	19.25			
20	16QAM	50	24	19.31	19.39	19.27			
20	16QAM	50	50	19.28	19.42	19.29	20.5	2	
20	16QAM	100	0	19.37	19.34	19.21			
20	64QAM	1	0	19.21	19.24	19.24			
20	64QAM	1	49	19.11	19.24	19.17	20.5	2	
20	64QAM	1	99	19.15	19.22	19.24			
20	64QAM	50	0	18.26	18.37	18.29			
20	64QAM	50	24	18.36	18.38	18.45	19.5	3	
20	64QAM	50	50	18.48	18.46	18.31			
20	64QAM	100	0	18.44	18.32	18.40			
20	256QAM	1	0	16.42	16.29	16.21	17.5	5	
20	256QAM	1	49	16.28	16.38	16.24			
20	256QAM	1	99	16.27	16.22	16.34			
20	256QAM	50	0	16.31	16.38	16.30	17.5	5	
20	256QAM	50	24	16.34	16.43	16.28			
20	256QAM	50	50	16.43	16.31	16.42			
20	256QAM	100	0	16.41	16.32	16.24			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.95	21.23	21.15	22.5	0	
15	QPSK	1	37	20.88	21.14	21.17			
15	QPSK	1	74	20.95	20.97	20.99			
15	QPSK	36	0	20.06	20.22	20.10	21.5	1	
15	QPSK	36	20	20.11	20.12	20.02			
15	QPSK	36	39	20.06	20.05	20.04			
15	QPSK	75	0	20.12	20.18	20.04	21.5	1	
15	16QAM	1	0	20.34	20.37	20.47			
15	16QAM	1	37	20.23	20.43	20.24			
15	16QAM	1	74	20.40	20.36	20.50	20.5	2	
15	16QAM	36	0	19.25	19.23	19.15			
15	16QAM	36	20	19.27	19.31	19.18			
15	16QAM	36	39	19.15	19.30	19.11	20.5	2	
15	16QAM	75	0	19.21	19.26	19.08			
15	64QAM	1	0	19.15	19.13	19.10			
15	64QAM	1	37	19.06	19.18	19.03	20.5	2	
15	64QAM	1	74	19.10	19.17	19.20			
15	64QAM	36	0	18.10	18.28	18.20			
15	64QAM	36	20	18.22	18.28	18.35	19.5	3	
15	64QAM	36	39	18.34	18.34	18.14			
15	64QAM	75	0	18.27	18.19	18.23			
15	256QAM	1	0	16.34	16.20	16.14	17.5	5	
15	256QAM	1	37	16.10	16.32	16.16			
15	256QAM	1	74	16.15	16.18	16.16			
15	256QAM	36	0	16.12	16.33	16.15	17.5	5	
15	256QAM	36	20	16.17	16.36	16.12			
15	256QAM	36	39	16.35	16.25	16.23			
15	256QAM	75	0	16.39	16.24	16.07			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.89	21.21	21.19	22.5	0	
10	QPSK	1	25	20.84	21.15	21.08			
10	QPSK	1	49	20.92	21.01	21.05			
10	QPSK	25	0	20.06	20.24	19.95	21.5	1	
10	QPSK	25	12	20.10	20.17	20.09			
10	QPSK	25	25	20.15	20.04	19.88			
10	QPSK	50	0	20.09	20.23	20.07	21.5	1	
10	16QAM	1	0	20.31	20.30	20.45			
10	16QAM	1	25	20.26	20.41	20.22			
10	16QAM	1	49	20.31	20.43	20.47	20.5	2	
10	16QAM	25	0	19.13	19.21	19.16			
10	16QAM	25	12	19.19	19.26	19.22			
10	16QAM	25	25	19.20	19.34	19.20	20.5	2	
10	16QAM	50	0	19.27	19.17	19.02			
10	64QAM	1	0	19.07	19.06	19.06			
10	64QAM	1	25	19.05	19.13	19.03	20.5	2	
10	64QAM	1	49	19.02	19.09	19.06			
10	64QAM	25	0	18.18	18.26	18.22			
10	64QAM	25	12	18.22	18.23	18.27	19.5	3	
10	64QAM	25	25	18.27	18.40	18.23			
10	64QAM	50	0	18.27	18.17	18.34			
10	256QAM	1	0	16.33	16.13	16.01	17.5	5	
10	256QAM	1	25	16.13	16.21	16.19			
10	256QAM	1	49	16.14	16.12	16.21			
10	256QAM	25	0	16.26	16.20	16.19	17.5	5	
10	256QAM	25	12	16.16	16.26	16.07			
10	256QAM	25	25	16.25	16.24	16.24			
10	256QAM	50	0	16.31	16.20	16.08			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	21.08	21.13	21.13	22.5	0	
5	QPSK	1	12	20.77	21.06	21.16			
5	QPSK	1	24	20.95	21.05	21.14			
5	QPSK	12	0	20.15	20.23	20.05	21.5	1	
5	QPSK	12	7	20.03	20.14	20.08			
5	QPSK	12	13	20.19	20.08	20.03			
5	QPSK	25	0	20.18	20.15	20.09	21.5	1	
5	16QAM	1	0	20.34	20.35	20.49			
5	16QAM	1	12	20.25	20.35	20.13			
5	16QAM	1	24	20.32	20.43	20.50	20.5	2	
5	16QAM	12	0	19.12	19.25	19.08			
5	16QAM	12	7	19.14	19.22	19.14			
5	16QAM	12	13	19.09	19.29	19.18	20.5	2	
5	16QAM	25	0	19.26	19.16	19.05			
5	64QAM	1	0	19.16	19.19	19.18			
5	64QAM	1	12	19.01	19.12	19.12	20.5	2	
5	64QAM	1	24	19.04	19.08	19.14			
5	64QAM	12	0	18.18	18.23	18.20			
5	64QAM	12	7	18.28	18.32	18.31	19.5	3	
5	64QAM	12	13	18.30	18.28	18.14			
5	64QAM	25	0	18.31	18.15	18.27			
5	256QAM	1	0	16.38	16.22	16.01	17.5	5	
5	256QAM	1	12	16.09	16.16	16.05			
5	256QAM	1	24	16.22	16.11	16.28			
5	256QAM	12	0	16.26	16.29	16.21	17.5	5	
5	256QAM	12	7	16.18	16.26	16.14			
5	256QAM	12	13	16.29	16.19	16.26			
5	256QAM	25	0	16.27	16.14	16.08			

Reduced Power Mode for EC17

GSM850 Arnd	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	188	251		128	188	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	31.87	31.95	31.92	33.50	22.87	22.95	22.92	
GPRS 1 Tx slot	31.77	31.86	31.74	33.50	22.77	22.86	22.74	
GPRS 2 Tx slots	28.85	28.98	28.81	29.50	22.85	22.88	22.81	
GPRS 3 Tx slots	27.13	27.17	27.04	28.00	22.87	22.91	22.78	
GPRS 4 Tx slots	25.88	25.94	25.88	27.50	22.88	22.94	22.88	
EDGE 1 Tx slot	26.34	26.40	26.26	27.50	17.34	17.40	17.26	
EDGE 2 Tx slots	25.11	25.22	25.17	26.00	19.11	19.22	19.17	
EDGE 3 Tx slots	23.03	23.07	23.03	24.00	18.77	18.81	18.77	
EDGE 4 Tx slots	21.78	21.85	21.71	23.00	18.78	18.85	18.71	

GSM1900 Arnd	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1852.2	1860	1868.8	1852.2	1860	1868.8		
Frequency (MHz)	1852.2	1860	1868.8	1852.2	1860	1868.8		
GSM 1 Tx slot	27.53	27.58	27.51	28.50	18.53	18.58	18.51	
GPRS 1 Tx slot	27.51	27.55	27.49	28.50	18.51	18.55	18.49	
GPRS 2 Tx slots	24.38	24.42	24.34	25.50	18.38	18.42	18.34	
GPRS 3 Tx slots	22.77	22.87	22.74	24.00	18.51	18.61	18.48	
GPRS 4 Tx slots	21.76	21.81	21.78	23.00	18.76	18.81	18.78	
EDGE 1 Tx slot	24.46	24.80	24.52	25.50	15.46	15.60	15.52	
EDGE 2 Tx slots	23.22	23.26	23.14	24.00	17.22	17.26	17.14	
EDGE 3 Tx slots	20.70	20.81	20.76	22.00	16.44	16.55	16.52	
EDGE 4 Tx slots	19.00	19.06	18.99	20.00	16.00	16.06	15.99	

Band	TX Channel	WCDMA S Arnd			Tune-up Limit (dBm)	WCDMA T Arnd			Tune-up Limit (dBm)	WCDMA V Arnd			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513		4132	4182	4233	
	Rx Channel	9562	9800	9938	1537	1638	1738	4357	4407	4458			
	Frequency (MHz)	1852.4	1860	1907.6	1712.4	1722.6	1752.6	4364	4364	4466			
3GPP Rel 99	AMR 12.2Kbps	17.18	17.38	17.29	18.30	17.66	17.67	17.64	18.70	22.19	22.27	22.11	
3GPP Rel 99	RM-C 12.2Kbps	17.20	17.38	17.30	18.30	17.73	17.74	17.62	18.70	22.21	22.23	22.12	
3GPP Rel 6	HSDPA Subtest-1	16.30	16.42	16.08	17.30	16.63	16.60	16.63	17.70	21.24	21.28	21.21	
3GPP Rel 6	HSDPA Subtest-2	16.05	16.29	15.97	17.30	16.47	16.51	16.68	17.70	21.15	21.20	21.04	
3GPP Rel 6	HSDPA Subtest-3	15.84	15.68	15.51	16.80	16.24	16.31	16.26	17.20	20.81	20.85	20.72	
3GPP Rel 6	HSDPA Subtest-4	15.78	15.77	15.58	16.80	16.33	16.06	16.24	17.20	20.80	20.73	20.64	
3GPP Rel 6	DCHSDPA Subtest-1	16.22	16.47	16.19	17.30	16.41	16.68	16.49	17.70	21.31	21.25	21.07	
3GPP Rel 8	DCHSDPA Subtest-2	16.16	16.17	16.36	17.30	16.61	16.87	16.69	17.70	21.25	21.34	21.26	
3GPP Rel 8	DCHSDPA Subtest-3	15.52	15.88	15.65	16.80	16.03	16.36	16.14	17.20	20.75	20.75	20.64	
3GPP Rel 8	DCHSDPA Subtest-4	15.77	15.69	15.66	16.80	16.27	16.23	15.94	17.20	20.83	20.71	20.51	
3GPP Rel 6	HSUPA Subtest-1	16.22	16.38	16.19	17.30	16.77	16.83	16.47	17.70	21.34	21.37	21.00	
3GPP Rel 6	HSUPA Subtest-2	14.05	14.30	14.35	15.30	14.85	14.71	14.74	15.70	19.12	19.30	19.01	
3GPP Rel 6	HSUPA Subtest-3	15.33	15.05	15.06	16.30	15.73	15.64	15.59	16.70	20.13	20.38	20.01	
3GPP Rel 6	HSUPA Subtest-4	14.29	14.21	14.02	15.30	14.51	14.80	14.74	15.70	19.26	19.38	19.08	
3GPP Rel 6	HSUPA Subtest-5	16.20	16.04	16.30	17.30	16.80	16.48	16.37	17.70	21.32	21.28	21.06	
3GPP Rel 7	HSPA+ (10QAM) Subtest-1	13.81	13.88	13.92	14.80	14.06	13.90	13.74	15.20	18.64	18.86	18.75	









GSM850 Ant1 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	798	799	791		798	799	791	
	824.2	836.4	848.6	824.2	836.4	848.6		
GSM 1 Tx slot	31.45	31.57	31.52	33.00	22.45	22.57	22.52	24.00
GPRS 1 Tx slot	31.43	31.51	31.47	33.00	22.43	22.51	22.47	24.00
GPRS 2 Tx slots	28.45	28.52	28.44	29.50	22.45	22.52	22.44	23.50
GPRS 3 Tx slots	28.71	28.80	28.77	27.50	22.45	22.54	22.51	23.24
GPRS 4 Tx slots	25.84	25.77	25.73	27.00	22.64	22.77	22.73	24.00
EDGE 1 Tx slot	26.13	26.21	26.11	27.50	17.13	17.21	17.11	18.50
EDGE 2 Tx slots	24.86	24.94	24.88	26.00	18.86	18.94	18.88	20.00
EDGE 3 Tx slots	22.83	22.97	22.84	24.00	18.57	18.71	18.58	19.74
EDGE 4 Tx slots	21.57	21.61	21.54	22.50	18.57	18.61	18.54	18.50

GSM1900 Ant1 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	1502.2	1503.0	1503.8	1502.2	1503.0	1503.8		
GSM 1 Tx slot	23.90	23.95	23.87	24.90	14.20	14.85	14.87	15.90
GPRS 1 Tx slot	23.89	23.93	23.86	24.90	14.89	14.93	14.86	15.90
GPRS 2 Tx slots	20.85	20.94	20.87	21.50	14.85	14.94	14.87	15.50
GPRS 3 Tx slots	19.01	19.09	19.03	20.00	14.75	14.83	14.77	15.74
GPRS 4 Tx slots	17.81	17.97	17.89	18.90	14.81	14.97	14.89	15.90
EDGE 1 Tx slot	22.19	22.33	22.19	23.50	13.19	13.33	13.19	14.50
EDGE 2 Tx slots	20.94	21.03	20.99	21.90	14.94	15.03	14.99	15.90
EDGE 3 Tx slots	18.31	18.43	18.38	19.50	14.05	14.17	14.13	15.24
EDGE 4 Tx slots	16.99	17.09	16.99	18.00	13.99	14.09	13.99	15.00

Band TX Channel Frequency (MHz)	WCDMA II Ant1			Tune-up Limit (dBm)	WCDMA IV Ant1			WCDMA V Ant1			Tune-up Limit (dBm)	
	9982	9990	9998		1312	1413	1513	4102	4192	4293		
	9662	9990	9998	1537	1538	1738	4357	4407	4458			
	1862.4	1880	1897.6	1712.4	1732.6	1752.6	626.4	636.4	646.6			
3GPP Rel 99 AMR 12.2Kbps	14.37	14.41	14.40	15.00	15.13	15.20	15.10	16.20	21.68	21.72	21.67	23.00
3GPP Rel 99 AMR 12.2Kbps	14.36	14.43	14.41	15.00	15.14	15.25	15.19	16.20	21.71	21.74	21.69	23.00
3GPP Rel 6 HSDPA Subtest-1	13.18	13.11	13.40	14.00	14.24	13.94	14.03	15.20	20.47	20.63	20.68	22.00
3GPP Rel 6 HSDPA Subtest-2	13.37	13.37	13.32	14.00	13.96	14.11	14.08	15.20	20.47	20.56	20.47	22.00
3GPP Rel 6 HSDPA Subtest-3	12.71	12.81	12.58	13.50	13.49	13.55	13.43	14.70	20.28	19.95	21.50	
3GPP Rel 6 HSDPA Subtest-4	12.62	12.75	12.50	13.50	13.72	13.63	13.42	14.70	20.25	20.11	20.13	21.50
3GPP Rel 6 DCHSDPA Subtest-1	13.30	13.34	13.23	14.00	14.13	14.18	14.13	15.20	20.74	20.75	20.63	22.00
3GPP Rel 6 DCHSDPA Subtest-2	12.97	13.27	13.20	14.00	14.01	14.13	14.18	15.20	20.47	20.59	20.68	22.00
3GPP Rel 6 DCHSDPA Subtest-3	12.83	12.72	12.82	13.50	13.55	13.44	13.47	14.70	20.01	20.04	20.02	21.50
3GPP Rel 6 DCHSDPA Subtest-4	12.80	12.87	12.78	13.50	13.58	13.75	13.62	14.70	20.07	20.22	20.25	21.50
3GPP Rel 6 HSUPA Subtest-1	13.19	13.40	13.27	14.00	14.21	14.28	14.12	15.20	20.46	20.73	20.48	22.00
3GPP Rel 6 HSUPA Subtest-2	11.28	11.24	11.19	12.00	12.04	12.19	12.06	13.20	18.64	18.63	18.67	20.00
3GPP Rel 6 HSUPA Subtest-3	12.27	12.23	12.42	13.00	13.26	13.00	12.87	14.20	19.60	19.62	19.60	21.00
3GPP Rel 6 HSUPA Subtest-4	11.19	11.10	11.17	12.00	11.95	12.23	12.07	13.20	18.47	18.26	18.63	20.00
3GPP Rel 6 HSUPA Subtest-5	13.23	13.35	13.15	14.00	14.24	14.13	14.04	15.20	20.70	20.65	20.71	22.00
3GPP Rel 7 HSPA (HSPA) Subtest-1	10.83	10.76	10.72	11.50	11.58	11.48	11.46	12.70	18.14	18.18	17.98	19.50







Band 38 Ant1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains data for Band 38 Ant1 across various modulation schemes and RB sizes.

Band 41 Ant1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains data for Band 41 Ant1 across various modulation schemes and RB sizes.

Band 41 HPUE Ant1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains data for Band 41 HPUE Ant1 across various modulation schemes and RB sizes.



Appendix E

GSM1900 Anz2 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	1503.2	1650	1609.8	30.50	1503.2	1650	1609.8	21.50
GSM-1 Tx slot	29.42	29.51	29.40	30.50	20.42	20.51	20.40	21.50
GPRS-1 Tx slot	29.41	29.45	29.39	30.50	20.41	20.45	20.39	21.50
GPRS-2 Tx slots	23.45	23.48	23.36	27.50	20.45	20.48	20.38	21.50
GPRS-3 Tx slots	24.64	24.74	24.66	25.50	20.38	20.48	20.40	21.24
GPRS-4 Tx slots	23.44	23.48	23.37	24.50	20.44	20.48	20.37	21.50
EDGE-1 Tx slot	25.78	25.85	25.76	27.00	16.78	16.85	16.76	18.00
EDGE-2 Tx slots	24.44	24.58	24.51	25.50	18.44	18.58	18.51	19.50
EDGE-3 Tx slots	21.95	21.98	21.84	23.00	17.69	17.72	17.58	18.74
EDGE-4 Tx slots	20.53	20.66	20.61	21.50	17.53	17.66	17.61	18.50

Band TX Channel Rx Channel Frequency (MHz)	WCDMA R Anz2			Tune-up Limit (dBm)	WCDMA N Anz2			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
	9662	9800	9938	1537	1638	1738		
	13274	1320	1307.6	1712.4	1712.4	1721.5	21.80	
3GPP Rel 99	AMR 12.2Kbps	19.54	19.56	19.55	20.80	20.68	20.63	20.60
3GPP Rel 99	RMUC 12.2Kbps	19.61	19.64	19.55	20.80	20.62	20.73	20.61
3GPP Rel 6	HSDPA Subtest-1	18.45	18.69	18.35	19.80	19.48	18.78	19.48
3GPP Rel 6	HSDPA Subtest-2	18.52	18.26	18.37	19.80	19.59	18.64	19.48
3GPP Rel 6	HSDPA Subtest-3	17.86	18.07	17.80	19.30	19.01	18.13	19.01
3GPP Rel 6	HSDPA Subtest-4	17.83	18.08	18.01	19.30	19.05	18.25	19.03
3GPP Rel 6	DCHSDPA Subtest-1	18.48	18.57	18.37	19.80	19.49	18.66	19.53
3GPP Rel 6	DCHSDPA Subtest-2	18.54	18.48	18.56	19.80	19.58	18.60	19.66
3GPP Rel 6	DCHSDPA Subtest-3	17.96	17.88	17.98	19.30	19.00	18.05	18.16
3GPP Rel 6	DCHSDPA Subtest-4	18.05	17.99	17.92	19.30	19.15	18.13	18.93
3GPP Rel 6	HSUPA Subtest-1	18.48	18.52	18.39	19.80	19.64	18.64	19.46
3GPP Rel 6	HSUPA Subtest-2	18.53	18.59	18.39	17.80	17.86	17.70	17.50
3GPP Rel 6	HSUPA Subtest-3	17.55	17.51	17.63	18.80	18.67	18.54	18.58
3GPP Rel 6	HSUPA Subtest-4	16.49	16.65	16.33	17.80	17.55	17.64	17.51
3GPP Rel 6	HSUPA Subtest-5	18.50	18.63	18.67	19.80	19.55	18.74	19.62
3GPP Rel 7	HSPA+ (eHSPA) Subtest-1	18.05	18.13	15.78	17.30	17.10	17.21	16.82





Band 38 Ant2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains frequency allocation data for Band 38 Ant2.

Band 41 Ant2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains frequency allocation data for Band 41 Ant2.

Band 41 HPUE Ant2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains frequency allocation data for Band 41 HPUE Ant2.

GSM1900 An9 Tx Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
1559.2	1690	1699.8		25.50	15.74	15.76	15.67	18.50
GSM-1 Tx slot	24.74	24.76	24.67	25.50	15.74	15.76	15.67	18.50
GPRS-1 Tx slot	24.75	24.78	24.69	25.50	15.75	15.78	15.69	18.50
GPRS-2 Tx slots	21.62	21.67	21.55	22.50	15.82	15.67	15.55	18.50
GPRS-3 Tx slots	19.79	20.13	19.90	21.00	15.53	15.87	15.64	18.74
GPRS-4 Tx slots	18.86	18.89	18.81	20.00	15.86	15.89	15.81	17.00
EDGE-1 Tx slot	23.52	23.61	23.41	24.50	14.52	14.61	14.41	15.50
EDGE-2 Tx slots	22.15	22.31	22.14	23.00	16.15	16.31	16.14	17.00
EDGE-3 Tx slots	19.51	19.55	19.54	20.50	15.25	15.29	15.28	16.24
EDGE-4 Tx slots	17.92	18.21	18.17	19.00	14.92	15.21	15.17	16.00

Band Tx Channel Rx Channel Frequency (MHz)	WCDMA II An99			Tune-up Limit (dBm)	WCDMA N An99			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
1552.4	1500	1507.6		1742.4	1742.6	1742.5	23.00	
3GPP Rel 99 UMTS 12.2Kbps	15.72	15.81	15.70	16.70	22.23	22.29	22.25	
3GPP Rel 99 RMC 12.2Kbps	15.81	15.82	15.72	16.70	22.31	22.33	22.28	
3GPP Rel 6 HSDPA Subtest-1	14.84	14.76	14.55	15.70	21.32	21.29	21.14	
3GPP Rel 6 HSDPA Subtest-2	14.74	14.74	14.62	15.70	21.29	21.23	21.01	
3GPP Rel 6 HSDPA Subtest-3	14.13	14.05	13.97	15.20	20.71	20.67	20.44	
3GPP Rel 6 HSDPA Subtest-4	14.08	14.05	14.09	15.20	20.58	20.61	20.66	
3GPP Rel 6 DCHSDPA Subtest-1	14.80	14.69	14.61	15.70	21.07	21.26	21.07	
3GPP Rel 6 DCHSDPA Subtest-2	14.67	14.75	14.84	15.70	21.10	21.33	21.24	
3GPP Rel 6 DCHSDPA Subtest-3	14.20	14.13	14.12	15.20	20.75	20.87	20.62	
3GPP Rel 6 DCHSDPA Subtest-4	14.11	14.14	14.33	15.20	20.65	20.71	20.75	
3GPP Rel 6 HSUPA Subtest-1	14.73	14.61	14.78	15.70	21.17	21.13	21.29	
3GPP Rel 6 HSUPA Subtest-2	12.47	12.66	12.55	13.70	19.05	19.16	19.09	
3GPP Rel 6 HSUPA Subtest-3	13.87	13.80	13.58	14.70	20.37	20.37	20.03	
3GPP Rel 6 HSUPA Subtest-4	12.79	12.74	12.56	13.70	19.32	19.26	19.09	
3GPP Rel 6 HSUPA Subtest-5	14.62	14.68	14.67	15.70	21.32	21.34	20.98	
3GPP Rel 7 HSPA+ (TDD-M) Subtest-1	12.26	12.38	12.23	13.20	18.75	18.83	18.70	





Band 38 Ant9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit (dBm), MPR (dB). Contains data for channels 37950-38150 across various modulation schemes and RB sizes.

Band 41 Ant9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit (dBm), MPR (dB). Contains data for channels 39750-41050 across various modulation schemes and RB sizes.

Band 41 HPUe Ant9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit (dBm), MPR (dB). Contains data for channels 39750-41050 across various modulation schemes and RB sizes.



Band 42 FCC Part27Q 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				42190	42590	42990					
Frequency (MHz)				3460	3500	3540					
20	QPSK	1	0	15.89	16.17	16.11	17.2	0			
20	QPSK	1	49	15.91	16.09	16.02					
20	QPSK	1	99	15.87	16.01	16.06					
20	QPSK	50	0	15.90	16.15	16.03					
20	QPSK	50	24	15.94	16.12	16.00					
20	QPSK	50	50	15.85	15.99	16.08					
20	QPSK	100	0	16.01	16.15	16.11					
20	16QAM	1	0	15.86	16.01	15.93	17.2	0			
20	16QAM	1	49	15.85	15.96	16.08					
20	16QAM	1	99	15.94	16.10	16.11					
20	16QAM	50	0	15.90	16.07	15.94					
20	16QAM	50	24	15.92	16.01	16.10					
20	16QAM	50	50	15.96	16.16	16.04					
20	16QAM	100	0	15.89	16.07	15.94					
20	64QAM	1	0	15.89	16.01	16.01	17.2	0			
20	64QAM	1	49	15.88	16.14	16.12					
20	64QAM	1	99	15.85	16.02	15.96					
20	64QAM	50	0	15.92	15.94	16.09					
20	64QAM	50	24	15.93	16.09	16.06					
20	64QAM	50	50	15.88	16.01	16.01					
20	64QAM	100	0	15.95	16.00	16.09					
20	256QAM	1	0	16.01	16.09	16.05	17.2	0			
20	256QAM	1	49	15.86	16.05	16.00					
20	256QAM	1	99	15.94	15.95	16.07					
20	256QAM	50	0	15.90	16.07	16.08					
20	256QAM	50	24	15.94	16.07	16.01					
20	256QAM	50	50	15.89	16.08	15.93					
20	256QAM	100	0	15.94	15.95	16.02					
Channel				42165	42590	43015					
Frequency (MHz)				3457.5	3500	3542.5					
15	QPSK	1	0	15.70	16.00	15.89	17.2	0			
15	QPSK	1	37	15.75	15.93	15.88					
15	QPSK	1	74	15.73	15.87	15.95					
15	QPSK	36	0	15.85	16.13	15.87					
15	QPSK	36	20	15.81	15.91	15.92					
15	QPSK	36	39	15.75	15.91	15.87					
15	QPSK	75	0	15.90	16.03	16.01	17.2	0			
15	16QAM	1	0	15.65	15.94	15.78					
15	16QAM	1	37	15.72	15.89	16.00					
15	16QAM	1	74	15.73	16.06	15.95					
15	16QAM	36	0	15.75	15.93	15.90					
15	16QAM	36	20	15.78	15.93	16.06					
15	16QAM	36	39	15.81	15.94	15.86	17.2	0			
15	16QAM	75	0	15.87	15.97	15.86					
15	64QAM	1	0	15.69	15.95	15.90					
15	64QAM	1	37	15.80	16.09	16.06					
15	64QAM	1	74	15.76	15.97	15.81					
15	64QAM	36	0	15.84	15.91	16.01					
15	64QAM	36	20	15.79	15.90	16.04	17.2	0			
15	64QAM	36	39	15.74	15.96	15.84					
15	64QAM	75	0	15.91	15.81	15.90					
15	256QAM	1	0	15.98	16.00	15.98					
15	256QAM	1	37	15.75	15.99	15.98					
15	256QAM	1	74	15.96	15.89	15.95					
15	256QAM	36	0	15.73	16.02	15.90	17.2	0			
15	256QAM	36	20	15.88	16.00	15.81					
15	256QAM	36	39	15.82	16.01	15.79					
15	256QAM	75	0	15.79	15.78	15.80					
Channel				42140	42590	43040					
Frequency (MHz)				3455	3500	3545					
10	QPSK	1	0	15.76	16.13	16.03	17.2	0			
10	QPSK	1	25	15.75	15.97	15.86					
10	QPSK	1	49	15.79	15.90	15.97					
10	QPSK	25	0	15.85	16.01	15.93					
10	QPSK	25	12	15.81	15.91	15.92					
10	QPSK	25	25	15.71	15.87	16.04					
10	QPSK	50	0	15.93	15.98	16.08	17.2	0			
10	16QAM	1	0	15.83	15.95	15.90					
10	16QAM	1	25	15.64	15.79	15.88					
10	16QAM	1	49	15.85	15.96	15.91					
10	16QAM	25	0	15.82	15.98	15.86					
10	16QAM	25	12	15.80	15.84	15.95					
10	16QAM	25	25	15.79	16.09	15.89	17.2	0			
10	16QAM	50	0	15.75	15.90	15.77					
10	64QAM	1	0	15.68	15.96	15.85					
10	64QAM	1	25	15.91	16.09	16.02					
10	64QAM	1	49	15.75	15.89	15.80					
10	64QAM	25	0	15.83	15.84	15.92					
10	64QAM	25	12	15.83	16.00	15.99	17.2	0			
10	64QAM	25	25	15.67	15.98	15.94					
10	64QAM	50	0	15.93	15.83	15.94					
10	256QAM	1	0	15.90	16.08	15.91					
10	256QAM	1	25	15.78	15.86	15.90					
10	256QAM	1	49	15.73	15.79	15.98					
10	256QAM	25	0	15.89	15.97	16.04	17.2	0			
10	256QAM	25	12	15.90	16.00	15.93					
10	256QAM	25	25	15.75	15.89	15.77					
10	256QAM	50	0	15.89	15.90	15.80					
Channel				42115	42590	43065					
Frequency (MHz)				3452.5	3500	3547.5					
5	QPSK	1	0	15.82	16.01	15.90	17.2	0			
5	QPSK	1	12	15.87	16.03	15.86					
5	QPSK	1	24	15.78	15.96	15.86					
5	QPSK	12	0	15.69	16.03	15.93					
5	QPSK	12	7	15.83	15.93	15.91					
5	QPSK	12	13	15.64	15.82	15.88					
5	QPSK	25	0	15.85	16.12	16.07	17.2	0			
5	16QAM	1	0	15.84	15.80	15.88					
5	16QAM	1	12	15.64	15.93	15.93					
5	16QAM	1	24	15.81	15.93	15.93					
5	16QAM	12	0	15.70	15.90	15.87					
5	16QAM	12	7	15.89	15.81	15.91					
5	16QAM	12	13	15.91	15.96	15.91	17.2	0			
5	16QAM	25	0	15.81	16.02	15.85					
5	64QAM	1	0	15.74	15.80	15.79					
5	64QAM	1	12	15.85	15.98	16.00					
5	64QAM	1	24	15.82	15.82	15.78					
5	64QAM	12	0	15.74	15.75	15.96					
5	64QAM	12	7	15.88	15.94	15.98	17.2	0			
5	64QAM	12	13	15.78	15.98	15.82					
5	64QAM	25	0	15.81	15.88	15.89					
5	256QAM	1	0	15.80	15.94	15.84					
5	256QAM	1	12	15.82	15.96	15.79					
5	256QAM	1	24	15.88	15.84	16.00					
5	256QAM	12	0	15.76	16.01	16.01	17.2	0			
5	256QAM	12	7	15.90	15.99	15.80					
5	256QAM	12	13	15.83	15.96	15.88					
5	256QAM	25	0	15.75	15.75	15.91					

Band 42 FCC Part27Q Ant4									
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	17.68	17.77	17.69	18.9	0	
20	QPSK	1	49	17.70	17.66	17.73			
20	QPSK	1	99	17.69	17.76	17.68			
20	QPSK	50	0	17.71	17.75	17.65			
20	QPSK	50	24	17.68	17.60	17.68	18.9	0	
20	QPSK	50	50	17.64	17.75	17.51			
20	QPSK	100	0	17.64	17.68	17.61			
20	16QAM	1	0	17.68	17.71	17.63	18.9	0	
20	16QAM	1	49	17.69	17.62	17.66			
20	16QAM	1	99	17.70	17.75	17.48			
20	16QAM	50	0	17.68	17.67	17.69			
20	16QAM	50	24	17.70	17.66	17.73	18.9	0	
20	16QAM	50	50	17.69	17.76	17.56			
20	16QAM	100	0	17.71	17.76	17.65			
20	64QAM	1	0	17.68	17.60	17.68	18.9	0	
20	64QAM	1	49	17.64	17.75	17.51			
20	64QAM	1	99	17.64	17.68	17.68			
20	64QAM	50	0	17.09	17.18	17.08			
20	64QAM	50	24	17.21	17.20	17.20	17.9	1	
20	64QAM	50	50	17.07	17.14	17.21			
20	64QAM	100	0	17.07	17.12	17.11			
20	256QAM	1	0	15.06	15.10	15.19	15.9	3	
20	256QAM	1	49	15.16	15.22	15.20			
20	256QAM	1	99	15.18	15.05	15.10			
20	256QAM	50	0	15.14	15.18	15.14			
20	256QAM	50	24	15.09	15.08	15.18	15.9	3	
20	256QAM	50	50	15.21	15.20	15.15			
20	256QAM	100	0	15.06	15.13	15.22			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	17.65	17.60	17.49	18.9	0	
15	QPSK	1	37	17.51	17.59	17.65			
15	QPSK	1	74	17.50	17.73	17.38			
15	QPSK	36	0	17.62	17.65	17.44			
15	QPSK	36	20	17.59	17.40	17.59	18.9	0	
15	QPSK	36	39	17.43	17.54	17.35			
15	QPSK	75	0	17.56	17.65	17.41			
15	16QAM	1	0	17.63	17.65	17.43			
15	16QAM	1	37	17.47	17.51	17.57	18.9	0	
15	16QAM	1	74	17.66	17.62	17.43			
15	16QAM	36	0	17.49	17.50	17.52			
15	16QAM	36	20	17.48	17.54	17.54	18.9	0	
15	16QAM	36	39	17.57	17.68	17.45			
15	16QAM	75	0	17.67	17.55	17.58			
15	64QAM	1	0	17.53	17.57	17.48			
15	64QAM	1	37	17.43	17.59	17.33	18.9	0	
15	64QAM	1	74	17.58	17.54	17.55			
15	64QAM	36	0	17.01	17.00	17.06			
15	64QAM	36	20	17.13	17.01	17.17	17.9	1	
15	64QAM	36	39	17.05	16.96	17.14			
15	64QAM	75	0	16.87	16.97	16.94			
15	256QAM	1	0	14.96	14.94	15.03	15.9	3	
15	256QAM	1	37	14.95	15.02	15.09			
15	256QAM	1	74	15.02	14.87	15.03			
15	256QAM	36	0	15.02	15.02	14.94			
15	256QAM	36	20	14.94	15.03	14.98	15.9	3	
15	256QAM	36	39	15.17	15.14	15.02			
15	256QAM	75	0	14.94	15.06	15.07			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	17.62	17.67	17.66	18.9	0	
10	QPSK	1	25	17.53	17.63	17.56			
10	QPSK	1	49	17.67	17.69	17.37			
10	QPSK	25	0	17.57	17.60	17.46	18.9	0	
10	QPSK	25	12	17.65	17.49	17.49			
10	QPSK	25	25	17.51	17.59	17.40			
10	QPSK	50	0	17.51	17.51	17.54			
10	16QAM	1	0	17.48	17.65	17.41	18.9	0	
10	16QAM	1	25	17.63	17.52	17.51			
10	16QAM	1	49	17.51	17.55	17.29			
10	16QAM	25	0	17.54	17.46	17.52			
10	16QAM	25	12	17.62	17.58	17.53	18.9	0	
10	16QAM	25	25	17.58	17.64	17.43			
10	16QAM	50	0	17.52	17.71	17.36			
10	64QAM	1	0	17.56	17.57	17.54			
10	64QAM	1	25	17.55	17.68	17.32	18.9	0	
10	64QAM	1	49	17.43	17.56	17.57			
10	64QAM	25	0	16.90	17.15	16.99			
10	64QAM	25	12	17.06	17.15	17.08	17.9	1	
10	64QAM	25	25	16.86	17.06	17.00			
10	64QAM	50	0	17.00	16.93	17.04			
10	256QAM	1	0	15.03	14.92	15.08	15.9	3	
10	256QAM	1	25	15.04	15.04	15.08			
10	256QAM	1	49	15.11	14.95	14.89			
10	256QAM	25	0	14.94	15.01	14.98	15.9	3	
10	256QAM	25	12	14.94	14.87	15.04			
10	256QAM	25	25	15.06	15.04	14.97			
10	256QAM	50	0	14.86	15.00	15.15			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	17.52	17.61	17.60	18.9	0	
5	QPSK	1	12	17.62	17.56	17.53			
5	QPSK	1	24	17.51	17.72	17.47			
5	QPSK	12	0	17.56	17.73	17.58			
5	QPSK	12	7	17.63	17.41	17.49	18.9	0	
5	QPSK	12	13	17.51	17.68	17.34			
5	QPSK	25	0	17.45	17.54	17.41			
5	16QAM	1	0	17.53	17.65	17.59	18.9	0	
5	16QAM	1	12	17.65	17.50	17.48			
5	16QAM	1	24	17.49	17.68	17.37			
5	16QAM	12	0	17.49	17.46	17.51			
5	16QAM	12	7	17.55	17.49	17.54	18.9	0	
5	16QAM	12	13	17.63	17.55	17.34			
5	16QAM	25	0	17.56	17.70	17.56			
5	64QAM	1	0	17.65	17.41	17.64			
5	64QAM	1	12	17.54	17.59	17.40	18.9	0	
5	64QAM	1	24	17.42	17.54	17.60			
5	64QAM	12	0	16.91	17.04	16.93			
5	64QAM	12	7	17.17	17.05	17.11	17.9	1	
5	64QAM	12	13	16.89	17.06	16.99			
5	64QAM	25	0	16.88	17.07	17.01			
5	256QAM	1	0	14.87	14.92	15.11	15.9	3	
5	256QAM	1	12	14.97	15.07	15.13			
5	256QAM	1	24	14.96	14.97	14.98			
5	256QAM	12	0	14.96	15.04	14.98	15.9	3	
5	256QAM	12	7	14.98	15.00	15.10			
5	256QAM	12	13	15.11	15.07	15.12			
5	256QAM	25	0	14.88	14.93	15.13			

Band 42 FCC Part27Q Ant8										
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	21.96	22.01	21.88	23	0		
20	QPSK	1	49	21.89	22.00	21.86				
20	QPSK	1	99	21.84	21.83	21.63				
20	QPSK	50	0	20.88	21.09	21.01	22	1		
20	QPSK	50	24	21.04	20.96	20.97				
20	QPSK	50	50	21.04	20.90	21.03				
20	QPSK	100	0	21.00	21.07	20.86	22	1		
20	16QAM	1	0	21.04	20.97	20.89				
20	16QAM	1	49	20.97	21.05	20.94				
20	16QAM	1	99	21.02	21.08	21.08	21	2		
20	16QAM	50	0	20.12	20.09	20.13				
20	16QAM	50	24	20.18	20.08	20.14				
20	16QAM	50	50	20.05	20.18	20.08	20	3		
20	16QAM	100	0	20.21	20.10	20.14				
20	64QAM	1	0	19.84	19.72	19.71				
20	64QAM	1	49	19.66	19.63	19.79	21	2		
20	64QAM	1	99	19.69	19.65	19.70				
20	64QAM	50	0	19.23	19.13	19.08				
20	64QAM	50	24	19.34	19.13	19.12	20	3		
20	64QAM	50	50	19.21	19.10	19.09				
20	64QAM	100	0	19.05	19.08	18.96				
20	256QAM	1	0	16.93	16.85	16.84	18	5		
20	256QAM	1	49	16.95	16.74	16.94				
20	256QAM	1	99	16.95	16.85	16.76				
20	256QAM	50	0	16.99	17.09	17.03	18	5		
20	256QAM	50	24	17.06	17.14	17.19				
20	256QAM	50	50	17.19	16.99	17.18				
20	256QAM	100	0	17.02	17.05	16.94				
Channel				42165	42590	43015				
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	21.82	21.88	21.78	23	0		
15	QPSK	1	37	21.72	21.88	21.78				
15	QPSK	1	74	21.76	21.77	21.56				
15	QPSK	36	0	20.84	20.96	20.88	22	1		
15	QPSK	36	20	20.94	20.86	20.85				
15	QPSK	36	39	20.90	20.83	20.84				
15	QPSK	75	0	20.93	21.01	20.77	22	1		
15	16QAM	1	0	20.87	20.81	20.84				
15	16QAM	1	37	20.90	20.96	20.79				
15	16QAM	1	74	20.82	20.94	20.99	21	2		
15	16QAM	36	0	19.96	19.96	20.03				
15	16QAM	36	20	20.09	20.00	20.01				
15	16QAM	36	39	19.96	19.99	19.90	21	2		
15	16QAM	75	0	20.03	20.02	19.99				
15	64QAM	1	0	19.72	19.60	19.61				
15	64QAM	1	37	19.51	19.50	19.62	20	3		
15	64QAM	1	74	19.56	19.47	19.65				
15	64QAM	36	0	19.16	19.04	18.93				
15	64QAM	36	20	18.84	19.08	18.97	20	3		
15	64QAM	36	39	19.09	18.94	18.93				
15	64QAM	75	0	18.96	19.04	18.85				
15	256QAM	1	0	16.76	16.81	16.72	18	5		
15	256QAM	1	37	16.96	16.54	16.68				
15	256QAM	1	74	16.77	16.75	16.69				
15	256QAM	36	0	16.86	17.00	16.98	18	5		
15	256QAM	36	20	17.00	17.02	17.09				
15	256QAM	36	39	17.01	16.89	17.11				
15	256QAM	75	0	16.83	16.93	16.83				
Channel				42140	42590	43040				
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	21.79	21.89	21.74	23	0		
10	QPSK	1	25	21.84	21.82	21.69				
10	QPSK	1	49	21.70	21.73	21.90				
10	QPSK	25	0	20.71	21.01	20.86	22	1		
10	QPSK	25	12	20.96	20.91	20.90				
10	QPSK	25	25	20.93	20.78	20.87				
10	QPSK	50	0	20.89	20.91	20.82	22	1		
10	16QAM	1	0	20.88	20.90	20.89				
10	16QAM	1	25	20.86	20.96	20.85				
10	16QAM	1	49	20.97	20.92	20.94	21	2		
10	16QAM	25	0	19.94	19.94	19.96				
10	16QAM	25	12	20.05	19.99	20.00				
10	16QAM	25	25	19.85	20.09	20.03	21	2		
10	16QAM	50	0	20.08	19.90	19.94				
10	64QAM	1	0	19.75	19.53	19.81				
10	64QAM	1	25	19.56	19.48	19.59	20	3		
10	64QAM	1	49	19.60	19.46	19.58				
10	64QAM	25	0	19.11	19.04	18.94				
10	64QAM	25	12	18.86	18.94	18.93	20	3		
10	64QAM	25	25	19.12	19.96	19.03				
10	64QAM	50	0	18.94	18.90	18.79				
10	256QAM	1	0	16.81	16.70	16.76	18	5		
10	256QAM	1	25	16.75	16.68	16.81				
10	256QAM	1	49	16.75	16.75	16.68				
10	256QAM	25	0	16.86	16.91	16.84	18	5		
10	256QAM	25	12	16.94	17.01	17.09				
10	256QAM	25	25	17.06	16.79	17.01				
10	256QAM	50	0	16.87	16.89	16.78				
Channel				42115	42590	43065				
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	21.90	21.95	21.74	23	0		
5	QPSK	1	12	21.71	21.85	21.68				
5	QPSK	1	24	21.71	21.76	21.49				
5	QPSK	12	0	20.80	20.94	20.84	22	1		
5	QPSK	12	7	20.86	20.77	20.88				
5	QPSK	12	13	20.86	20.73	20.85				
5	QPSK	25	0	20.81	20.89	20.78	22	1		
5	16QAM	1	0	20.89	20.83	20.80				
5	16QAM	1	12	20.77	20.86	20.77				
5	16QAM	1	24	20.86	20.99	20.88	21	2		
5	16QAM	12	0	20.05	19.89	20.03				
5	16QAM	12	7	19.99	19.99	20.09				
5	16QAM	12	13	19.98	20.14	19.94	21	2		
5	16QAM	25	0	20.13	19.99	20.00				
5	64QAM	1	0	19.74	19.55	19.64				
5	64QAM	1	12	19.57	19.57	19.65	20	3		
5	64QAM	1	24	19.56	19.49	19.59				
5	64QAM	12	0	19.07	18.94	18.98				
5	64QAM	12	7	18.85	18.93	18.99	20	3		
5	64QAM	12	13	19.02	18.93	19.02				
5	64QAM	25	0	18.92	18.94	18.78				
5	256QAM	1	0	16.87	16.89	16.72	18	5		
5	256QAM	1	12	16.89	16.66	16.81				
5	256QAM	1	24	16.75	16.71	16.70				
5	256QAM	12	0	16.89	16.99	17.02	18	5		
5	256QAM	12	7	16.89	16.99	17.02				
5	256QAM	12	13	17.02	16.90	17.11				
5	256QAM	25	0	16.90	16.90	16.77				

Band 42 FCC Part27Q Ant10									
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	13.72	14.01	13.88	14.7	0	
20	QPSK	1	49	13.72	13.80	13.76			
20	QPSK	1	99	13.78	13.71	13.71			
20	QPSK	50	0	13.67	13.83	13.83	14.7	0	
20	QPSK	50	24	13.81	13.87	13.85			
20	QPSK	50	50	13.82	13.73	13.86			
20	QPSK	100	0	13.78	13.90	13.86	14.7	0	
20	16QAM	1	0	13.75	13.93	13.91			
20	16QAM	1	49	13.82	13.75	13.89			
20	16QAM	1	99	13.73	13.72	13.89	14.7	0	
20	16QAM	50	0	13.73	13.90	13.85			
20	16QAM	50	24	13.77	13.83	13.79			
20	16QAM	50	50	13.70	13.79	13.84	14.7	0	
20	16QAM	100	0	13.85	13.91	13.82			
20	64QAM	1	0	13.86	13.76	13.79			
20	64QAM	1	49	13.76	13.84	13.88	14.7	0	
20	64QAM	1	99	13.82	13.77	13.88			
20	64QAM	50	0	13.70	13.80	13.78			
20	64QAM	50	24	13.72	13.88	13.82	14.7	0	
20	64QAM	50	50	13.76	13.81	13.70			
20	64QAM	100	0	13.77	13.71	13.87			
20	256QAM	1	0	13.76	13.80	13.73	14.7	0	
20	256QAM	1	49	13.85	13.89	13.89			
20	256QAM	1	99	13.78	13.85	13.84			
20	256QAM	50	0	13.79	13.78	13.84	14.7	0	
20	256QAM	50	24	13.84	13.78	13.85			
20	256QAM	50	50	13.81	13.91	13.87			
20	256QAM	100	0	13.90	13.91	13.75			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	13.66	13.97	13.83	14.7	0	
15	QPSK	1	37	13.69	13.77	13.70			
15	QPSK	1	74	13.75	13.67	13.55			
15	QPSK	36	0	13.61	13.83	13.79	14.7	0	
15	QPSK	36	20	13.73	13.82	13.80			
15	QPSK	36	39	13.85	13.65	13.82			
15	QPSK	75	0	13.65	13.84	13.69	14.7	0	
15	16QAM	1	0	13.66	13.77	13.86			
15	16QAM	1	37	13.65	13.67	13.87			
15	16QAM	1	74	13.60	13.58	13.72	14.7	0	
15	16QAM	36	0	13.67	13.74	13.68			
15	16QAM	36	20	13.69	13.74	13.67			
15	16QAM	36	39	13.65	13.72	13.74	14.7	0	
15	16QAM	75	0	13.74	13.81	13.79			
15	64QAM	1	0	13.77	13.70	13.72			
15	64QAM	1	37	13.69	13.82	13.71	14.7	0	
15	64QAM	1	74	13.69	13.65	13.79			
15	64QAM	36	0	13.60	13.66	13.66			
15	64QAM	36	20	13.61	13.71	13.80	14.7	0	
15	64QAM	36	39	13.63	13.77	13.65			
15	64QAM	75	0	13.70	13.54	13.74			
15	256QAM	1	0	13.60	13.65	13.67	14.7	0	
15	256QAM	1	37	13.78	13.83	13.78			
15	256QAM	1	74	13.69	13.75	13.79			
15	256QAM	36	0	13.68	13.66	13.73	14.7	0	
15	256QAM	36	20	13.80	13.62	13.77			
15	256QAM	36	39	13.76	13.87	13.77			
15	256QAM	75	0	13.63	13.75	13.72			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	13.62	13.96	13.71	14.7	0	
10	QPSK	1	25	13.64	13.68	13.68			
10	QPSK	1	49	13.67	13.58	13.61			
10	QPSK	25	0	13.53	13.76	13.66	14.7	0	
10	QPSK	25	12	13.69	13.85	13.79			
10	QPSK	25	25	13.79	13.55	13.74			
10	QPSK	50	0	13.70	13.87	13.71	14.7	0	
10	16QAM	1	0	13.73	13.91	13.79			
10	16QAM	1	25	13.77	13.62	13.67			
10	16QAM	1	49	13.62	13.65	13.77	14.7	0	
10	16QAM	25	0	13.65	13.73	13.81			
10	16QAM	25	12	13.61	13.78	13.67			
10	16QAM	25	25	13.61	13.63	13.69	14.7	0	
10	16QAM	50	0	13.70	13.78	13.89			
10	64QAM	1	0	13.61	13.66	13.74			
10	64QAM	1	25	13.60	13.73	13.81	14.7	0	
10	64QAM	1	49	13.66	13.73	13.70			
10	64QAM	25	0	13.61	13.64	13.62			
10	64QAM	25	12	13.61	13.78	13.74	14.7	0	
10	64QAM	25	25	13.60	13.66	13.65			
10	64QAM	50	0	13.73	13.55	13.81			
10	256QAM	1	0	13.71	13.73	13.66	14.7	0	
10	256QAM	1	25	13.74	13.82	13.72			
10	256QAM	1	49	13.67	13.70	13.76			
10	256QAM	25	0	13.66	13.72	13.70	14.7	0	
10	256QAM	25	12	13.68	13.67	13.79			
10	256QAM	25	25	13.78	13.78	13.80			
10	256QAM	50	0	13.80	13.83	13.62			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	13.56	13.88	13.75	14.7	0	
5	QPSK	1	12	13.57	13.70	13.62			
5	QPSK	1	24	13.62	13.59	13.68			
5	QPSK	12	0	13.56	13.75	13.73	14.7	0	
5	QPSK	12	7	13.71	13.74	13.80			
5	QPSK	12	13	13.79	13.62	13.70			
5	QPSK	25	0	13.75	13.86	13.84	14.7	0	
5	16QAM	1	0	13.73	13.83	13.80			
5	16QAM	1	12	13.76	13.72	13.74			
5	16QAM	1	24	13.67	13.58	13.73	14.7	0	
5	16QAM	12	0	13.67	13.87	13.68			
5	16QAM	12	7	13.69	13.80	13.72			
5	16QAM	12	13	13.55	13.66	13.82	14.7	0	
5	16QAM	25	0	13.78	13.75	13.77			
5	64QAM	1	0	13.73	13.63	13.72			
5	64QAM	1	12	13.68	13.80	13.75	14.7	0	
5	64QAM	1	24	13.69	13.66	13.72			
5	64QAM	12	0	13.66	13.76	13.69			
5	64QAM	12	7	13.56	13.81	13.79	14.7	0	
5	64QAM	12	13	13.59	13.73	13.55			
5	64QAM	25	0	13.60	13.54	13.69			
5	256QAM	1	0	13.61	13.70	13.62	14.7	0	
5	256QAM	1	12	13.73	13.72	13.79			
5	256QAM	1	24	13.74	13.76	13.81			
5	256QAM	12	0	13.54	13.70	13.73	14.7	0	
5	256QAM	12	7	13.67	13.74	13.73			
5	256QAM	12	13	13.76	13.80	13.78			
5	256QAM	25	0	13.73	13.82	13.71			



Full & Default & ECI4 Power Mode\_Other PA

Table with columns: Band 2 Ant0, BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch/Freq, Power High Ch/Freq, Turn-up (dB), MPR (dB). Contains multiple rows of frequency and power data for Band 2 Ant0.

Table with columns: Band 4 Ant0, BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch/Freq, Power High Ch/Freq, Turn-up (dB), MPR (dB). Contains multiple rows of frequency and power data for Band 4 Ant0.

Table with columns: Band 7 Ant0, BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch/Freq, Power High Ch/Freq, Turn-up (dB), MPR (dB). Contains multiple rows of frequency and power data for Band 7 Ant0.

Table with columns: Band 66 Ant0, BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch/Freq, Power High Ch/Freq, Turn-up (dB), MPR (dB). Contains multiple rows of frequency and power data for Band 66 Ant0.







Table for Band 2 Ant9, listing BW (MHz), Modulation, RB Size, RB Offset, Power, and other parameters for various frequencies.

Table for Band 4 Ant9, listing BW (MHz), Modulation, RB Size, RB Offset, Power, and other parameters for various frequencies.

Table for Band 7 Ant9, listing BW (MHz), Modulation, RB Size, RB Offset, Power, and other parameters for various frequencies.

Table for Band 66 Ant9, listing BW (MHz), Modulation, RB Size, RB Offset, Power, and other parameters for various frequencies.



Reduced Power Mode for EC12\_Other PA

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mid, Power High, Turn-up, MPR. Sub-tables for Band 2 Ant0, Band 7 Ant0, and Band 66 Ant0.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mid, Power High, Turn-up, MPR. Sub-tables for Band 2 Ant0, Band 7 Ant0, and Band 66 Ant0.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mid, Power High, Turn-up, MPR. Sub-tables for Band 7 Ant0, Band 66 Ant0, and Band 66 Ant0.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mid, Power High, Turn-up, MPR. Sub-tables for Band 66 Ant0, Band 66 Ant0, and Band 66 Ant0.



Table for Band 2 Ant1 with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Ch./F.Freq.), Power (Hq./F.Freq.), Power (Lp./F.Freq.), Turn-up (dB), MPR (dB), and a grid of 100 rows of data.

Table for Band 4 Ant1 with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Ch./F.Freq.), Power (Hq./F.Freq.), Power (Lp./F.Freq.), Turn-up (dB), MPR (dB), and a grid of 100 rows of data.

Table for Band 7 Ant1 with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Ch./F.Freq.), Power (Hq./F.Freq.), Power (Lp./F.Freq.), Turn-up (dB), MPR (dB), and a grid of 100 rows of data.

Table for Band 66 Ant1 with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Ch./F.Freq.), Power (Hq./F.Freq.), Power (Lp./F.Freq.), Turn-up (dB), MPR (dB), and a grid of 100 rows of data.



Appendix E

Table for Band 2 Ant2. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (W), Ch. Freq., and Turn-up time (min). Rows list various frequency bands and parameters.

Table for Band 4 Ant2. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (W), Ch. Freq., and Turn-up time (min). Rows list various frequency bands and parameters.

Table for Band 7 Ant2. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (W), Ch. Freq., and Turn-up time (min). Rows list various frequency bands and parameters.

Table for Band 66 Ant2. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (W), Ch. Freq., and Turn-up time (min). Rows list various frequency bands and parameters.







Table with 11 columns: BW (MHz), Modulation, RB Size, RB Offset, Power (W), Power (dBm), Power (dBm), Turn-up (min), MPR (dB). Contains data for Band 2 Ant1.

Table with 11 columns: BW (MHz), Modulation, RB Size, RB Offset, Power (W), Power (dBm), Power (dBm), Turn-up (min), MPR (dB). Contains data for Band 4 Ant1.

Table with 11 columns: BW (MHz), Modulation, RB Size, RB Offset, Power (W), Power (dBm), Power (dBm), Turn-up (min), MPR (dB). Contains data for Band 7 Ant1.

Table with 11 columns: BW (MHz), Modulation, RB Size, RB Offset, Power (W), Power (dBm), Power (dBm), Turn-up (min), MPR (dB). Contains data for Band 66 Ant1.





Table with 12 columns: BW (MHz), Modulation, RB Size, RB Offset, Power (W), Power (dBm), Power (dBm), Turn-up (min), MPR (dB). Sub-tables for Band 29 Ant9, Band 4 Ant9, Band 7 Ant9, and Band 66 Ant9.

Table with 12 columns: BW (MHz), Modulation, RB Size, RB Offset, Power (W), Power (dBm), Power (dBm), Turn-up (min), MPR (dB). Sub-tables for Band 29 Ant9, Band 4 Ant9, Band 7 Ant9, and Band 66 Ant9.

Table with 12 columns: BW (MHz), Modulation, RB Size, RB Offset, Power (W), Power (dBm), Power (dBm), Turn-up (min), MPR (dB). Sub-tables for Band 29 Ant9, Band 4 Ant9, Band 7 Ant9, and Band 66 Ant9.

Table with 12 columns: BW (MHz), Modulation, RB Size, RB Offset, Power (W), Power (dBm), Power (dBm), Turn-up (min), MPR (dB). Sub-tables for Band 29 Ant9, Band 4 Ant9, Band 7 Ant9, and Band 66 Ant9.



Appendix E

Report No. : FA510906

Reduced Power Mode for EC16\_Other PA

Table with 12 columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Med, Power High, Turn-up time, MPR (dB), and MPR (dB). It contains 12 sub-tables for Bands 2 Ant0, 7 Ant0, and 66 Ant0, each listing various modulation schemes and power levels.



Appendix E

Report No. : FA510906

Table for Band 2 Ant1 with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power Ch./F.Freq., Power Hsp./Ch./F.Freq., Turn-up (dB), MPR (dB), and a grid of 20x20 data points.

Table for Band 4 Ant1 with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power Ch./F.Freq., Power Hsp./Ch./F.Freq., Turn-up (dB), MPR (dB), and a grid of 20x20 data points.

Table for Band 7 Ant1 with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power Ch./F.Freq., Power Hsp./Ch./F.Freq., Turn-up (dB), MPR (dB), and a grid of 20x20 data points.

Table for Band 66 Ant1 with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power Ch./F.Freq., Power Hsp./Ch./F.Freq., Turn-up (dB), MPR (dB), and a grid of 20x20 data points.







Reduced Power Mode for EC17\_Other PA

Table with columns: Band 2 Ant0, BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Turn-up (min), MPR (dB). Contains 100 rows of data for various modulation schemes and power levels.

Table with columns: Band 4 Ant0, BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Turn-up (min), MPR (dB). Contains 100 rows of data for various modulation schemes and power levels.

Table with columns: Band 7 Ant0, BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Turn-up (min), MPR (dB). Contains 100 rows of data for various modulation schemes and power levels.

Table with columns: Band 66 Ant0, BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Turn-up (min), MPR (dB). Contains 100 rows of data for various modulation schemes and power levels.





Table with columns: Band 2 Ant2, BW (MHz), Modulation, RB Size, RB Offset, Power, Power High Ch./Freq., Power Low Ch./Freq., Time-up (min), MPR (dB). Rows include channels 1865-1905 and 1915-1955.

Table with columns: Band 4 Ant2, BW (MHz), Modulation, RB Size, RB Offset, Power, Power High Ch./Freq., Power Low Ch./Freq., Time-up (min), MPR (dB). Rows include channels 1700-1745 and 1755-1795.

Table with columns: Band 7 Ant2, BW (MHz), Modulation, RB Size, RB Offset, Power, Power High Ch./Freq., Power Low Ch./Freq., Time-up (min), MPR (dB). Rows include channels 2515-2560 and 2570-2615.

Table with columns: Band 66 Ant2, BW (MHz), Modulation, RB Size, RB Offset, Power, Power High Ch./Freq., Power Low Ch./Freq., Time-up (min), MPR (dB). Rows include channels 13047-13352 and 13362-13667.





Full & Default Power Mode

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				165800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.49	22.59	22.50			
20	PI2 BPSK	1	53	22.73	22.69	22.55	24.0	0.0	
20	PI2 BPSK	1	104	22.58	22.64	22.54			
20	PI2 BPSK	50	0	22.17	22.21	22.16	23.5	0.5	
20	PI2 BPSK	50	28	22.58	22.72	22.62	24.0	0.0	
20	PI2 BPSK	50	56	22.22	22.22	22.13	23.5	0.5	
20	PI2 BPSK	100	0	22.20	22.23	22.07			
20	QPSK	1	1	22.71	22.75	22.62			
20	QPSK	1	53	22.51	22.71	22.59	24.0	0.0	
20	QPSK	1	104	22.48	22.65	22.65			
20	QPSK	50	0	21.63	21.70	21.65	23.0	1.0	
20	QPSK	50	28	22.55	22.73	22.64	24.0	0.0	
20	QPSK	50	56	21.82	21.72	21.66	23.0	1.0	
20	QPSK	100	0	21.56	21.71	21.69			
20	16QAM	1	1	21.17	21.33	21.68	23.0	1.0	
20	64QAM	1	1	19.96	19.93	19.83	21.5	2.5	
20	256QAM	1	1	18.57	18.61	18.44	19.5	4.5	
Channel				165300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.51	22.61	22.54	24.0	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	833.5	844			
10	QPSK	1	1	22.43	22.63	22.57	24.0	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.44	22.69	22.54	24.0	0.0	

n26 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.58	22.69	22.69			
20	PI2 BPSK	1	53	22.52	22.70	22.69	24.0	0.0	
20	PI2 BPSK	1	104	22.60	22.66	22.47			
20	PI2 BPSK	50	0	22.19	22.26	22.24	23.5	0.5	
20	PI2 BPSK	50	28	22.74	22.78	22.69	24.0	0.0	
20	PI2 BPSK	50	56	22.07	22.25	22.08	23.5	0.5	
20	PI2 BPSK	100	0	22.05	22.25	22.22			
20	QPSK	1	1	22.74	22.80	22.76			
20	QPSK	1	53	22.50	22.71	22.68	24.0	0.0	
20	QPSK	1	104	22.50	22.70	22.49			
20	QPSK	50	0	21.72	21.74	21.75	23.0	1.0	
20	QPSK	50	28	22.66	22.77	22.58	24.0	0.0	
20	QPSK	50	56	21.56	21.73	21.59	23.0	1.0	
20	QPSK	100	0	21.59	21.73	21.65			
20	16QAM	1	1	21.35	21.46	21.47	23.0	1.0	
20	64QAM	1	1	19.80	20.05	20.06	21.5	2.5	
20	256QAM	1	1	18.07	18.88	18.52	19.5	4.5	
Channel				165300	166300	168300			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.46	22.65	22.54	24.0	0.0	
Channel				163800	166300	168800			
Frequency (MHz)				810	831.5	844			
10	QPSK	1	1	22.51	22.69	22.52	24.0	0.0	
Channel				163300	166300	169300			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.48	22.60	22.52	24.0	0.0	

n71 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134500	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	22.83	23.00	22.90			
20	PI2 BPSK	1	53	22.86	23.09	22.96	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.01	22.97			
20	PI2 BPSK	50	0	22.55	22.96	22.55	23.5	0.5	
20	PI2 BPSK	50	28	23.13	23.11	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.57	22.80	22.48	23.5	0.5	
20	PI2 BPSK	100	0	22.38	22.56	22.53			
20	QPSK	1	1	23.08	23.14	23.01			
20	QPSK	1	53	22.94	23.04	22.92	24.0	0.0	
20	QPSK	1	104	22.99	23.01	23.00			
20	QPSK	50	0	21.97	22.05	21.97	23.0	1.0	
20	QPSK	50	28	23.02	23.10	23.08	24.0	0.0	
20	QPSK	50	56	22.10	22.10	21.89	23.0	1.0	
20	QPSK	100	0	22.02	22.06	22.04			
20	16QAM	1	1	21.83	21.75	21.58	23.0	1.0	
20	64QAM	1	1	20.40	20.46	20.39	21.5	2.5	
20	256QAM	1	1	18.98	19.02	18.09	19.5	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.43	22.67	22.57	24.0	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				667.5	680.5	693			
10	QPSK	1	1	22.43	22.64	22.55	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.52	22.61	22.52	24.0	0.0	

n38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.26	22.33	22.32			
40	PI/2 BPSK	1	53	22.45	22.45	22.45	24.0	0.0	
40	PI/2 BPSK	1	104	22.67	22.73	22.65			
40	PI/2 BPSK	50	0	21.83	21.88	21.84	23.5	0.5	
40	PI/2 BPSK	50	28	22.31	22.49	22.36	24.0	0.0	
40	PI/2 BPSK	50	56	21.94	22.05	22.02			
40	PI/2 BPSK	100	0	21.94	22.01	21.99	23.5	0.5	
40	QPSK	1	1	22.66	22.75	22.63			
40	QPSK	1	53	22.55	22.62	22.53	24.0	0.0	
40	QPSK	1	104	22.53	22.65	22.50			
40	QPSK	50	0	21.24	21.39	21.18	23.0	1.0	
40	QPSK	50	28	22.41	22.47	22.27	24.0	0.0	
40	QPSK	50	56	21.41	21.46	21.27			
40	QPSK	100	0	21.43	21.47	21.37	23.0	1.0	
40	16QAM	1	1	21.07	21.07	21.12	23.0	1.0	
40	64QAM	1	1	19.65	19.64	19.62	21.5	2.5	
40	256QAM	1	1	18.15	18.26	18.22	19.5	4.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.55	22.64	22.55	24.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.55	22.65	22.57	24.0	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.58	22.68	22.55	24.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.54	22.67	22.55	24.0	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.53	22.65	22.56	24.0	0.0	

n41 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.43	22.59	22.58			
100	PI/2 BPSK	1	137	22.52	22.66	22.62	24.0	0.0	
100	PI/2 BPSK	1	271	22.46	22.47	22.33			
100	PI/2 BPSK	135	0	22.26	22.39	22.26	23.5	0.5	
100	PI/2 BPSK	135	69	22.70	22.69	22.68	24.0	0.0	
100	PI/2 BPSK	135	138	22.43	22.50	22.51			
100	PI/2 BPSK	270	0	22.35	22.57	22.48			
100	QPSK	1	1	22.66	22.77	22.55			
100	QPSK	1	137	22.42	22.62	22.54	24.0	0.0	
100	QPSK	1	271	22.45	22.46	22.38			
100	QPSK	135	0	22.26	22.39	22.32	23.0	1.0	
100	QPSK	135	69	22.48	22.68	22.66	24.0	0.0	
100	QPSK	135	138	22.41	22.48	22.44			
100	QPSK	270	0	22.39	22.46	22.37	23.0	1.0	
100	16QAM	1	1	22.24	22.31	22.30	23.0	1.0	
100	64QAM	1	1	21.24	21.20	21.12	21.5	2.5	
100	256QAM	1	1	18.11	18.11	18.10	19.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.44	22.65	22.52	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.51	22.62	22.61	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.48	22.68	22.58	24.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.48	22.64	22.60	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.43	22.64	22.55	24.0	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.45	22.70	22.55	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.48	22.67	22.56	24.0	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.44	22.66	22.58	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.49	22.67	22.54	24.0	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.52	22.67	22.55	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.44	22.62	22.56	24.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.42	22.67	22.58	24.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.49	22.68	22.56	24.0	0.0	



n2 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	22.01	22.09	21.96			
40	PI2 BPSK	1	108	21.89	22.03	21.82	23.0	0.0	
40	PI2 BPSK	1	214	21.91	22.02	22.02			
40	PI2 BPSK	108	0	21.82	21.71	21.72	22.5	0.5	
40	PI2 BPSK	108	54	22.12	22.12	22.02	23.0	0.0	
40	PI2 BPSK	108	108	21.51	21.65	21.60	22.5	0.5	
40	PI2 BPSK	216	0	21.66	21.65	21.64			
40	QPSK	1	1	22.12	22.16	22.09			
40	QPSK	1	108	21.92	22.00	21.90	23.0	0.0	
40	QPSK	1	214	21.98	22.03	21.98			
40	QPSK	108	0	20.97	21.04	21.00	22.0	1.0	
40	QPSK	108	54	22.13	22.14	22.04	23.0	0.0	
40	QPSK	108	108	21.11	21.11	21.04	22.0	1.0	
40	QPSK	216	0	20.93	21.05	21.11			
40	16QAM	1	1	20.78	20.84	20.68	22.0	1.0	
40	64QAM	1	1	19.25	19.39	19.25	20.5	2.5	
40	256QAM	1	1	17.78	17.89	17.84	18.5	4.5	
Channel									
Frequency (MHz)				1897.5	1880	1892.5			
35	QPSK	1	1	22.06	22.05	21.98	0.0	0.0	
Channel									
Frequency (MHz)				373000	376000	379000			
30	QPSK	1	1	22.07	22.08	21.97	0.0	0.0	
Channel									
Frequency (MHz)				372500	376000	379500			
25	QPSK	1	1	22.04	22.10	21.98	23.0	0.0	
Channel									
Frequency (MHz)				372000	378000	380000			
20	QPSK	1	1	22.07	22.07	22.01	23.0	0.0	
Channel									
Frequency (MHz)				371500	376000	380500			
15	QPSK	1	1	22.02	22.04	22.02	23.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	22.04	22.05	22.01	18.0	2.5	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	22.05	22.08	22.03	14.0	2.5	

n5 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166800	167300	167800			
20	PI2 BPSK	1	1	22.17	22.23	22.18			
20	PI2 BPSK	1	53	22.22	22.34	22.36	24.0	0.0	
20	PI2 BPSK	1	104	22.28	22.29	22.15			
20	PI2 BPSK	50	0	21.80	21.87	21.73	23.5	0.5	
20	PI2 BPSK	50	28	22.29	22.37	22.22	24.0	0.0	
20	PI2 BPSK	50	56	21.83	21.89	21.91	23.5	0.5	
20	PI2 BPSK	100	0	21.78	21.89	21.85			
20	QPSK	1	1	22.30	22.46	22.42			
20	QPSK	1	53	22.16	22.36	22.36	24.0	0.0	
20	QPSK	1	104	22.06	22.29	22.22			
20	QPSK	50	0	21.28	21.37	21.39	23.0	1.0	
20	QPSK	50	28	22.27	22.40	22.24	24.0	0.0	
20	QPSK	50	56	21.40	21.38	21.26	23.0	1.0	
20	QPSK	100	0	21.36	21.39	21.34			
20	16QAM	1	1	21.39	21.44	21.46	23.0	1.0	
20	64QAM	1	1	19.87	19.60	19.72	21.5	2.5	
20	256QAM	1	1	18.31	18.26	18.11	19.5	4.5	
Channel									
Frequency (MHz)				163300	163300	163300			
15	QPSK	1	1	22.20	22.33	22.14	24.0	0.0	
Channel									
Frequency (MHz)				166800	167300	168300			
10	QPSK	1	1	22.16	22.27	22.19	24.0	0.0	
Channel									
Frequency (MHz)				166300	167300	168300			
5	QPSK	1	1	22.15	22.33	22.17	24.0	0.0	

n7 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2505	2535	2545			
50	PI2 BPSK	1	1	21.50	21.53	21.51			
50	PI2 BPSK	1	135	22.03	22.20	22.22	23.0	0.0	
50	PI2 BPSK	1	268	21.95	21.98	21.94			
50	PI2 BPSK	135	0	21.67	21.85	21.61	22.5	0.5	
50	PI2 BPSK	135	68	22.05	22.17	22.18	23.0	0.0	
50	PI2 BPSK	135	135	21.62	21.71	21.72	22.5	0.5	
50	PI2 BPSK	270	0	21.51	21.73	21.50			
50	QPSK	1	1	22.20	22.25	22.18			
50	QPSK	1	135	22.07	22.12	21.91	23.0	0.0	
50	QPSK	1	268	21.94	22.04	22.02			
50	QPSK	135	0	20.96	21.18	21.12	22.0	1.0	
50	QPSK	135	68	22.11	22.22	22.09	23.0	0.0	
50	QPSK	135	135	21.08	21.17	21.02	22.0	1.0	
50	QPSK	270	0	21.13	21.22	21.01			
50	16QAM	1	1	20.76	20.76	20.70	22.0	1.0	
50	64QAM	1	1	19.25	19.32	19.15	20.5	2.5	
50	256QAM	1	1	17.89	17.88	17.79	18.5	4.5	
Channel									
Frequency (MHz)				503000	507000	510000			
40	QPSK	1	1	22.15	22.18	22.14	23.0	0.0	
Channel									
Frequency (MHz)				503000	507000	510000			
35	QPSK	1	1	22.10	22.20	22.15	23.0	0.0	
Channel									
Frequency (MHz)				503000	507000	511000			
30	QPSK	1	1	22.08	22.16	22.07	23.0	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	22.08	22.17	22.14	23.0	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	22.14	22.13	22.09	23.0	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	22.13	22.19	22.15	23.0	0.0	
Channel									
Frequency (MHz)				501000	507000	513000			
10	QPSK	1	1	22.16	22.14	22.11	23.0	0.0	
Channel									
Frequency (MHz)				500500	507000	513500			
5	QPSK	1	1	22.12	22.21	22.08	23.0	0.0	



n26 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	22.28	22.33	22.28			
20	PI2 BPSK	1	53	22.18	22.30	22.21	24.0	0.0	
20	PI2 BPSK	1	104	22.35	22.33	22.28			
20	PI2 BPSK	50	0	21.91	21.93	21.82	23.5	0.5	
20	PI2 BPSK	50	28	22.43	22.43	22.29	24.0	0.0	
20	PI2 BPSK	50	56	21.89	21.93	21.89	23.5	0.5	
20	PI2 BPSK	100	0	21.82	21.92	21.78			
20	QPSK	1	1	22.43	22.47	22.31			
20	QPSK	1	53	22.35	22.34	22.24	24.0	0.0	
20	QPSK	1	104	22.21	22.34	22.35			
20	QPSK	50	0	21.42	21.42	21.36	23.0	1.0	
20	QPSK	50	28	22.35	22.41	22.28	24.0	0.0	
20	QPSK	50	56	21.26	21.41	21.25	23.0	1.0	
20	QPSK	100	0	21.31	21.40	21.25			
20	16QAM	1	1	21.14	21.11	21.03	23.0	1.0	
20	64QAM	1	1	19.79	19.72	19.73	21.5	2.5	
20	256QAM	1	1	18.25	18.35	18.41	19.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.17	22.36	22.15	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.15	22.30	22.14	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.23	22.30	22.18	24.0	0.0	

n66 Ant1									
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)									
40	PI2 BPSK	1	1	21.98	22.13	22.10			
40	PI2 BPSK	1	108	21.95	22.08	21.90	23.0	0.0	
40	PI2 BPSK	1	214	21.94	22.04	21.98			
40	PI2 BPSK	108	0	21.54	21.75	21.55	22.5	0.5	
40	PI2 BPSK	108	54	22.00	22.19	22.06	23.0	0.0	
40	PI2 BPSK	108	108	21.56	21.82	21.43	22.5	0.5	
40	PI2 BPSK	216	0	21.56	21.63	21.61			
40	QPSK	1	1	22.13	22.21	22.15			
40	QPSK	1	108	22.05	22.11	22.06	23.0	0.0	
40	QPSK	1	214	22.07	22.06	21.92			
40	QPSK	108	0	21.17	21.22	21.13	22.0	1.0	
40	QPSK	108	54	22.01	22.18	22.16	23.0	0.0	
40	QPSK	108	108	21.03	21.07	21.06	22.0	1.0	
40	QPSK	216	0	21.07	21.11	21.05			
40	16QAM	1	1	20.87	20.91	20.73	22.0	1.0	
40	64QAM	1	1	19.46	19.44	19.51	20.5	2.5	
40	256QAM	1	1	17.85	18.01	17.84	18.5	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.08	22.13	22.06	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.15	22.19	22.09	23.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.07	22.13	22.13	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.00	22.10	22.05	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.08	22.14	22.05	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.09	22.16	22.10	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.12	22.20	22.10	23.0	0.0	

n71 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	22.38	22.51	22.50			
20	PI2 BPSK	1	53	22.47	22.60	22.47	24.0	0.0	
20	PI2 BPSK	1	104	22.48	22.51	22.46			
20	PI2 BPSK	50	0	21.96	22.06	21.97	23.5	0.5	
20	PI2 BPSK	50	28	22.82	22.82	22.80	24.0	0.0	
20	PI2 BPSK	50	56	22.05	22.12	21.92	23.5	0.5	
20	PI2 BPSK	100	0	22.10	22.07	22.05			
20	QPSK	1	1	22.55	22.62	22.50			
20	QPSK	1	53	22.44	22.59	22.42	24.0	0.0	
20	QPSK	1	104	22.38	22.50	22.38			
20	QPSK	50	0	21.51	21.54	21.47	23.0	1.0	
20	QPSK	50	28	22.53	22.58	22.51	24.0	0.0	
20	QPSK	50	56	21.45	21.61	21.53	23.0	1.0	
20	QPSK	100	0	21.45	21.57	21.44			
20	16QAM	1	1	21.20	21.25	21.08	23.0	1.0	
20	64QAM	1	1	19.91	19.97	19.88	21.5	2.5	
20	256QAM	1	1	18.45	18.42	18.42	19.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.09	22.15	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.14	22.20	22.06	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.08	22.13	22.08	24.0	0.0	

n38 Ant1								
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	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.34	22.43	22.36		
40	PI/2 BPSK	1	53	22.11	22.29	22.30	24.0	0.0
40	PI/2 BPSK	1	104	22.27	22.34	22.25		
40	PI/2 BPSK	50	0	21.70	21.68	21.51	23.5	0.5
40	PI/2 BPSK	50	28	22.14	22.23	22.23	24.0	0.0
40	PI/2 BPSK	50	56	21.61	21.81	21.75		
40	PI/2 BPSK	100	0	21.73	21.79	21.82	23.5	0.5
40	QPSK	1	1	22.45	22.59	22.48		
40	QPSK	1	53	22.12	22.35	22.38	24.0	0.0
40	QPSK	1	104	22.13	22.23	22.04		
40	QPSK	50	0	21.02	21.14	21.09	23.0	1.0
40	QPSK	50	28	22.26	22.45	22.38	24.0	0.0
40	QPSK	50	56	21.22	21.25	21.05		
40	QPSK	100	0	21.28	21.43	21.23	23.0	1.0
40	16QAM	1	1	21.36	21.48	21.31	23.0	1.0
40	64QAM	1	1	20.10	20.05	20.10	21.5	2.5
40	256QAM	1	1	18.02	18.03	18.09	19.5	4.5
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.13	22.15	22.10	24.0	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.08	22.19	22.12	24.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.10	22.22	22.15	24.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.15	22.17	22.13	24.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.13	22.12	22.12	24.0	0.0

n41 Ant1								
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	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.36	23.43	23.41		
100	PI/2 BPSK	1	137	23.28	23.38	23.33	24.0	0.0
100	PI/2 BPSK	1	271	23.29	23.27	23.08		
100	PI/2 BPSK	135	0	23.16	23.21	23.15	23.5	0.5
100	PI/2 BPSK	135	69	23.37	23.41	23.23	24.0	0.0
100	PI/2 BPSK	135	138	23.12	23.28	23.28		
100	PI/2 BPSK	270	0	23.34	23.37	23.35	23.5	0.5
100	QPSK	1	1	23.34	23.45	23.41		
100	QPSK	1	137	23.22	23.36	23.19	24.0	0.0
100	QPSK	1	271	23.15	23.25	23.06		
100	QPSK	135	0	22.08	22.22	22.12	23.0	1.0
100	QPSK	135	69	23.40	23.41	23.21	24.0	0.0
100	QPSK	135	138	22.16	22.24	22.14	23.0	1.0
100	QPSK	270	0	22.16	22.34	22.13	23.0	1.0
100	16QAM	1	1	22.26	22.38	22.35	23.0	1.0
100	64QAM	1	1	20.77	20.92	20.89	21.5	2.5
100	256QAM	1	1	18.97	18.99	18.95	19.5	4.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.23	23.41	23.29	24.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.25	23.34	23.35	24.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.29	23.35	23.37	24.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.21	23.36	23.33	24.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.30	23.37	23.36	24.0	0.0
Channel				503700	518598	533496		
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	23.31	23.34	23.37	24.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.26	23.35	23.31	24.0	0.0
Channel				502704	518598	534498		
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	23.27	23.36	23.36	24.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.23	23.33	23.36	24.0	0.0
Channel				501702	518598	535500		
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	23.28	23.32	23.36	24.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.26	23.36	23.30	24.0	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	23.24	23.34	23.29	24.0	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.25	23.34	23.37	24.0	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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.87	22.93	22.91		
40	PI/2 BPSK	1	53	23.03	23.10	23.09	24.0	0.0
40	PI/2 BPSK	1	104	23.02	23.08	23.10		
40	PI/2 BPSK	50	0	22.48	22.50	22.36	23.5	0.5
40	PI/2 BPSK	50	28	23.03	23.07	22.97	24.0	0.0
40	PI/2 BPSK	50	56	22.55	22.66	22.45		
40	PI/2 BPSK	100	0	22.61	22.58	22.37	23.5	0.5
40	QPSK	1	1	22.93	23.12	22.89		
40	QPSK	1	53	22.93	23.06	22.91	24.0	0.0
40	QPSK	1	104	22.90	23.09	23.07		
40	QPSK	50	0	21.98	21.99	21.77	23.0	1.0
40	QPSK	50	28	22.92	23.08	23.06	24.0	0.0
40	QPSK	50	56	21.84	22.04	21.92		
40	QPSK	100	0	21.83	22.02	21.92	23.0	1.0
40	16QAM	1	1	21.53	21.62	21.68	23.0	1.0
40	64QAM	1	1	20.15	20.18	20.21	21.5	2.5
40	256QAM	1	1	18.68	18.79	18.82	19.5	4.5
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.00	23.03	22.97	24.0	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.91	22.98	22.93	24.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.94	22.98	22.94	24.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.94	22.97	22.97	24.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.00	23.04	22.94	24.0	0.0

n41 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	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.99	23.10	23.12		
100	PI/2 BPSK	1	137	22.92	23.12	23.15	24.0	0.0
100	PI/2 BPSK	1	271	23.00	23.08	22.90		
100	PI/2 BPSK	135	0	22.89	22.90	22.80	23.5	0.5
100	PI/2 BPSK	135	69	22.94	23.13	23.10	24.0	0.0
100	PI/2 BPSK	135	138	23.05	23.11	23.13		
100	PI/2 BPSK	270	0	23.09	23.08	23.08		
100	QPSK	1	1	23.09	23.19	23.12		
100	QPSK	1	137	23.11	23.09	23.00	24.0	0.0
100	QPSK	1	271	22.82	23.03	22.85		
100	QPSK	135	0	22.90	22.91	22.79	23.0	1.0
100	QPSK	135	69	23.11	23.15	22.97	24.0	0.0
100	QPSK	135	138	22.01	22.14	22.07		
100	QPSK	270	0	22.19	22.21	22.17	23.0	1.0
100	16QAM	1	1	22.88	22.81	22.75	23.0	1.0
100	64QAM	1	1	20.84	20.73	20.81	21.5	2.5
100	256QAM	1	1	18.70	18.84	18.47	19.5	4.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.97	23.05	22.89	24.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.00	23.00	22.96	24.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.91	22.98	22.95	24.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.91	23.04	22.90	24.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.94	22.99	22.93	24.0	0.0
Channel				503700	518598	533496		
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	22.91	22.96	22.96	24.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.99	23.03	22.97	24.0	0.0
Channel				502704	518598	534498		
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	22.98	23.00	22.95	24.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.92	23.02	22.91	24.0	0.0
Channel				501702	518598	535500		
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	22.92	23.00	22.90	24.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.98	23.03	22.96	24.0	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.92	22.98	22.97	24.0	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.00	23.02	22.91	24.0	0.0

n38 Ant9								
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	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.41	23.38	23.26		
40	PI/2 BPSK	1	53	23.48	23.54	23.54	24.0	0.0
40	PI/2 BPSK	1	104	23.41	23.60	23.53		
40	PI/2 BPSK	50	0	22.93	22.96	22.91	23.5	0.5
40	PI/2 BPSK	50	28	23.29	23.51	23.34	24.0	0.0
40	PI/2 BPSK	50	56	23.11	23.12	23.10		
40	PI/2 BPSK	100	0	22.89	23.02	22.80	23.5	0.5
40	QPSK	1	1	23.59	23.68	23.64		
40	QPSK	1	53	23.52	23.58	23.61	24.0	0.0
40	QPSK	1	104	23.55	23.66	23.56		
40	QPSK	50	0	22.31	22.44	22.22	23.0	1.0
40	QPSK	50	28	23.36	23.52	23.36	24.0	0.0
40	QPSK	50	56	22.29	22.51	22.32		
40	QPSK	100	0	22.41	22.48	22.29	23.0	1.0
40	16QAM	1	1	21.98	22.08	22.04	23.0	1.0
40	64QAM	1	1	20.71	20.66	20.68	21.5	2.5
40	256QAM	1	1	19.18	19.23	19.10	19.5	4.5
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.53	23.63	23.60	24.0	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	23.52	23.58	23.55	24.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.48	23.55	23.58	24.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.52	23.56	23.52	24.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.49	23.62	23.54	24.0	0.0

n41 Ant9								
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	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.57	23.67	23.60		
100	PI/2 BPSK	1	137	23.50	23.69	23.62	24.0	0.0
100	PI/2 BPSK	1	271	23.48	23.59	23.42		
100	PI/2 BPSK	135	0	22.86	23.05	22.83	23.5	0.5
100	PI/2 BPSK	135	69	23.49	23.67	23.45	24.0	0.0
100	PI/2 BPSK	135	138	23.16	23.16	22.95		
100	PI/2 BPSK	270	0	23.00	23.21	23.23	23.5	0.5
100	QPSK	1	1	23.63	23.71	23.69		
100	QPSK	1	137	23.43	23.66	23.58	24.0	0.0
100	QPSK	1	271	23.34	23.56	23.50		
100	QPSK	135	0	22.59	22.88	22.71	23.0	1.0
100	QPSK	135	69	23.63	23.85	23.63	24.0	0.0
100	QPSK	135	138	22.86	22.74	22.83	23.0	1.0
100	QPSK	270	0	22.55	22.69	22.67	23.0	1.0
100	16QAM	1	1	22.61	22.58	22.46	23.0	1.0
100	64QAM	1	1	21.10	21.16	21.06	21.5	2.5
100	256QAM	1	1	19.18	19.25	19.16	19.5	4.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.48	23.58	23.52	24.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.49	23.58	23.55	24.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.55	23.65	23.65	24.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.54	23.60	23.59	24.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.52	23.59	23.59	24.0	0.0
Channel				503700	518598	533496		
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	23.52	23.61	23.60	24.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.48	23.55	23.51	24.0	0.0
Channel				502704	518598	534498		
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	23.55	23.61	23.52	24.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.52	23.59	23.60	24.0	0.0
Channel				501702	518598	535500		
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	23.54	23.59	23.60	24.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.51	23.65	23.60	24.0	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	23.56	23.59	23.59	24.0	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.53	23.62	23.52	24.0	0.0

Part270 n77 Ant7						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq
Channel						
Frequency (MHz)						
100	PI2 BPSK	1	1	23.50	23.53	23.50
100	PI2 BPSK	1	137	23.28	23.46	23.28
100	PI2 BPSK	1	271	23.00	23.59	23.38
100	PI2 BPSK	135	0	23.45	23.56	23.41
100	PI2 BPSK	135	69	23.42	23.59	23.40
100	PI2 BPSK	135	138	23.56	23.61	23.42
100	PI2 BPSK	270	0	23.52	23.63	23.58
100	QPSK	1	1	23.73	23.78	23.81
100	QPSK	1	137	23.49	23.46	23.25
100	QPSK	1	271	23.53	23.56	23.36
100	QPSK	135	0	23.49	23.50	23.44
100	QPSK	135	69	23.46	23.67	23.50
100	QPSK	135	138	23.50	23.51	23.51
100	QPSK	270	0	23.40	23.55	23.41
100	16QAM	1	1	23.27	23.34	23.19
100	16QAM	1	1	23.22	23.32	23.32
100	256QAM	1	1	22.43	22.48	22.55
Channel						
Frequency (MHz)						
90	QPSK	1	1	23.19	23.20	23.07
Channel						
Frequency (MHz)						
80	QPSK	1	1	22.20	22.21	22.59
Channel						
Frequency (MHz)						
70	QPSK	1	1	23.20	23.13	22.98
Channel						
Frequency (MHz)						
60	QPSK	1	1	23.12	23.22	23.03
Channel						
Frequency (MHz)						
50	QPSK	1	1	23.11	23.19	22.59
Channel						
Frequency (MHz)						
40	QPSK	1	1	23.14	23.20	23.00
Channel						
Frequency (MHz)						
30	QPSK	1	1	23.13	23.13	23.07
Channel						
Frequency (MHz)						
25	QPSK	1	1	23.15	23.15	23.03
Channel						
Frequency (MHz)						
20	QPSK	1	1	23.16	23.21	23.03
Channel						
Frequency (MHz)						
15	QPSK	1	1	23.14	23.15	23.00
Channel						
Frequency (MHz)						
10	QPSK	1	1	23.13	23.20	23.01

Part270 n77 PC2 Ant7						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq
Channel						
Frequency (MHz)						
100	PI2 BPSK	1	1	26.42	26.46	26.40
100	PI2 BPSK	1	137	26.35	26.39	26.34
100	PI2 BPSK	1	271	26.39	26.50	26.40
100	PI2 BPSK	135	0	25.81	26.01	25.88
100	PI2 BPSK	135	69	26.39	26.49	26.43
100	PI2 BPSK	135	138	25.77	25.99	25.88
100	PI2 BPSK	270	0	25.90	25.98	25.97
100	QPSK	1	1	26.52	26.58	26.44
100	QPSK	1	137	26.28	26.37	26.27
100	QPSK	1	271	26.30	26.41	26.37
100	QPSK	135	0	25.33	25.51	25.43
100	QPSK	135	69	26.45	26.53	26.40
100	QPSK	135	138	25.54	25.55	25.50
100	QPSK	270	0	25.40	25.61	25.58
100	16QAM	1	1	25.50	25.57	25.51
100	16QAM	1	1	24.07	24.07	24.05
100	256QAM	1	1	22.08	22.08	22.16
Channel						
Frequency (MHz)						
90	QPSK	1	1	25.98	26.00	25.84
Channel						
Frequency (MHz)						
80	QPSK	1	1	25.56	25.98	25.84
Channel						
Frequency (MHz)						
70	QPSK	1	1	25.92	25.96	25.85
Channel						
Frequency (MHz)						
60	QPSK	1	1	25.96	26.01	25.88
Channel						
Frequency (MHz)						
50	QPSK	1	1	25.89	25.97	25.85
Channel						
Frequency (MHz)						
40	QPSK	1	1	25.93	26.02	25.86
Channel						
Frequency (MHz)						
30	QPSK	1	1	25.92	26.02	25.80
Channel						
Frequency (MHz)						
25	QPSK	1	1	25.94	26.01	25.90
Channel						
Frequency (MHz)						
20	QPSK	1	1	25.97	26.05	25.85
Channel						
Frequency (MHz)						
15	QPSK	1	1	25.95	26.05	25.90
Channel						
Frequency (MHz)						
10	QPSK	1	1	25.90	25.95	25.91

Part270 n78 Ant7						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq
Channel						
Frequency (MHz)						
100	PI2 BPSK	1	1	23.97	23.97	23.97
100	PI2 BPSK	1	137	23.78	23.78	23.78
100	PI2 BPSK	1	271	23.78	23.78	23.78
100	PI2 BPSK	135	0	23.86	23.86	23.86
100	PI2 BPSK	135	69	23.91	23.91	23.91
100	PI2 BPSK	135	138	23.78	23.78	23.78
100	PI2 BPSK	270	0	23.93	23.93	23.93
100	QPSK	1	1	23.96	23.96	23.96
100	QPSK	1	137	23.78	23.78	23.78
100	QPSK	1	271	23.77	23.77	23.77
100	QPSK	135	0	23.84	23.84	23.84
100	QPSK	135	69	23.93	23.93	23.93
100	QPSK	135	138	23.77	23.77	23.77
100	QPSK	270	0	23.88	23.88	23.88
100	16QAM	1	1	23.73	23.73	23.73
100	16QAM	1	1	23.74	23.74	23.74
100	256QAM	1	1	22.88	22.88	22.88
Channel						
Frequency (MHz)						
90	QPSK	1	1	23.13	23.22	23.06
Channel						
Frequency (MHz)						
80	QPSK	1	1	23.17	23.15	23.02
Channel						
Frequency (MHz)						
70	QPSK	1	1	23.19	23.22	23.07
Channel						
Frequency (MHz)						
60	QPSK	1	1	23.13	23.16	23.02
Channel						
Frequency (MHz)						
50	QPSK	1	1	23.11	23.13	23.01
Channel						
Frequency (MHz)						
40	QPSK	1	1	23.13	23.15	22.99
Channel						
Frequency (MHz)						
30	QPSK	1	1	23.16	23.16	23.05
Channel						
Frequency (MHz)						
25	QPSK	1	1	23.11	23.13	22.99
Channel						
Frequency (MHz)						
20	QPSK	1	1	23.19	23.15	23.05
Channel						
Frequency (MHz)						
15	QPSK	1	1	23.18	23.22	23.08
Channel						
Frequency (MHz)						
10	QPSK	1	1	23.20	23.20	22.99



Part270 n78 PC2 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	650000			
Frequency (MHz)				3760	3760	3760			
100	PI/2 BPSK	1	1		26.70				
100	PI/2 BPSK	1	137		26.81		27.5	0.0	
100	PI/2 BPSK	1	271		26.86		27.0	0.5	
100	PI/2 BPSK	135	0		26.49		27.5	0.0	
100	PI/2 BPSK	135	69		26.79		27.0	0.5	
100	PI/2 BPSK	135	138		26.18		28.5	1.0	
100	PI/2 BPSK	270	0		26.38		27.5	0.0	
100	QPSK	1	1		26.83				
100	QPSK	1	137		26.87		27.5	0.0	
100	QPSK	1	271		26.83				
100	QPSK	135	0		25.98		28.5	1.0	
100	QPSK	135	69		26.73		27.5	0.0	
100	QPSK	135	138		25.86		28.5	1.0	
100	QPSK	270	0		25.88				
100	16QAM	1	1		26.06		28.5	1.0	
100	16QAM	1	1		24.61		25.0	2.5	
100	256QAM	1	1		22.41		23.0	4.5	
Channel				649688	650000	650334			
Frequency (MHz)				3745.02	3760	3765.01			
90	QPSK	1	1		25.98	25.98	25.83	27.5	0.0
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3760	3760.02			
80	QPSK	1	1		25.91	25.97	25.99	27.5	0.0
Channel				649000	650000	651000			
Frequency (MHz)				3736	3760	3765			
70	QPSK	1	1		25.95	25.98	25.89	27.5	0.0
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3760	3760.01			
60	QPSK	1	1		25.92	25.99	25.90	27.5	0.0
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3760	3775.02			
50	QPSK	1	1		25.90	26.01	25.83	27.5	0.0
Channel				648000	650000	652000			
Frequency (MHz)				3720	3760	3760			
40	QPSK	1	1		25.90	26.03	25.84	27.5	0.0
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3760	3765.01			
30	QPSK	1	1		25.84	26.03	25.90	27.5	0.0
Channel				647300	650000	652500			
Frequency (MHz)				3712.5	3760	3767.5			
25	QPSK	1	1		25.90	25.99	25.84	27.5	0.0
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3760	3760.02			
20	QPSK	1	1		25.98	26.03	25.85	27.5	0.0
Channel				647188	650000	652834			
Frequency (MHz)				3707.52	3760	3762.51			
15	QPSK	1	1		25.83	25.99	25.85	27.5	0.0
Channel				647000	650000	653000			
Frequency (MHz)				3705	3760	3765			
10	QPSK	1	1		25.98	25.98	25.82	27.5	0.0



Part270 n77 Ant4									
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	23.54	23.64	23.62			
100	PI2 BPSK	1	137	23.65	23.65	23.43		0.0	
100	PI2 BPSK	1	271	23.51	23.56	23.33			
100	PI2 BPSK	135	6	23.75	23.74	23.73	24.5	0.0	
100	PI2 BPSK	135	69	23.56	23.88	23.51	24.5	0.0	
100	PI2 BPSK	135	138	23.49	23.62	23.63	24.5	0.0	
100	PI2 BPSK	270	0	23.49	23.84	23.63			
100	QPSK	1	1	23.72	23.76	23.66			
100	QPSK	1	137	23.40	23.62	23.65	24.5	0.0	
100	QPSK	1	271	23.58	23.56	23.50			
100	QPSK	135	0	23.49	23.68	23.54	24.5	0.0	
100	QPSK	135	69	23.69	23.74	23.67	24.5	0.0	
100	QPSK	135	138	23.66	23.66	23.44	24.5	0.0	
100	QPSK	270	0	23.46	23.65	23.56			
100	16QAM	1	1	23.27	23.38	23.33	24.5	0.0	
100	16QAM	1	1	23.16	23.33	23.28	24.5	0.0	
100	256QAM	1	1	22.32	22.43	22.48	23.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.12	23.19	23.01	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.11	23.15	22.85	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.16	23.22	23.01	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.13	23.18	22.95	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.19	23.15	22.85	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.15	23.17	22.99	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.10	23.16	23.00	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.16	23.22	22.94	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.09	23.17	23.02	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.18	23.22	23.02	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.13	23.22	22.99	24.5	0.0	

Part270 n77 PC2 Ant4									
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	26.57	26.76	26.70			
100	PI2 BPSK	1	137	26.65	26.74	26.58		27.5	0.0
100	PI2 BPSK	1	271	26.65	26.65	26.53			
100	PI2 BPSK	135	6	26.02	26.19	26.16	27.0	0.5	
100	PI2 BPSK	135	69	26.82	26.80	26.48	27.5	0.0	
100	PI2 BPSK	135	138	26.05	26.08	26.09	27.0	0.5	
100	PI2 BPSK	270	0	25.90	26.10	25.97			
100	QPSK	1	1	26.72	26.84	26.78			
100	QPSK	1	137	26.51	26.68	26.49	27.5	0.0	
100	QPSK	1	271	26.32	26.54	26.43			
100	QPSK	135	0	25.61	25.58	25.43	26.5	1.0	
100	QPSK	135	69	26.67	26.79	26.67	27.5	0.0	
100	QPSK	135	138	25.21	25.43	25.45	26.5	1.0	
100	QPSK	270	0	25.53	25.64	25.55			
100	16QAM	1	1	25.55	25.57	25.43	26.5	1.0	
100	16QAM	1	1	23.94	24.05	23.92	25.0	2.5	
100	256QAM	1	1	22.37	22.42	22.34	23.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.99	26.03	25.90	27.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.94	25.97	25.80	27.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.98	25.98	25.82	27.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.97	25.97	25.83	27.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.96	25.95	25.84	27.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.99	25.95	25.90	27.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.99	26.01	25.80	27.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.97	26.02	25.84	27.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.96	26.02	25.84	27.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.98	26.05	25.85	27.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.90	25.97	25.88	27.5	0.0	

Part270 n78 Ant4									
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		24.06				
100	PI2 BPSK	1	137		23.89		24.5	0.0	
100	PI2 BPSK	1	271		23.94				
100	PI2 BPSK	135	0		23.98		24.5	0.0	
100	PI2 BPSK	135	69		23.92		24.5	0.0	
100	PI2 BPSK	135	138		23.84		24.5	0.0	
100	PI2 BPSK	270	0		23.98				
100	QPSK	1	1		24.06				
100	QPSK	1	137		23.94		24.5	0.0	
100	QPSK	1	271		23.88				
100	QPSK	135	0		23.97		24.5	0.0	
100	QPSK	135	69		23.99		24.5	0.0	
100	QPSK	135	138		23.83		24.5	0.0	
100	QPSK	270	0		23.97				
100	16QAM	1	1		23.71		24.5	0.0	
100	16QAM	1	1		23.70		24.5	0.0	
100	256QAM	1	1		22.74		23.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.19	23.20	23.00	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.13	23.16	22.92	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.12	23.18	22.95	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.11	23.23	23.00	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.19	23.17	23.01	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.17	23.14	23.03	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.19	23.23	22.95	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.17	23.14	22.98	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.18	23.22	23.02	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.17	23.15	22.97	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.16	23.22	23.01	24.5	0.0	

Part270 n78 PC2 Ant4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				3750	3750	3750	
Frequency (MHz)							
100	PI/2 BPSK	1	1	26.96			
100	PI/2 BPSK	1	137	26.90			27.5
100	PI/2 BPSK	1	271	26.91			27.0
100	PI/2 BPSK	135	0	26.47			27.5
100	PI/2 BPSK	135	69	27.00			27.0
100	PI/2 BPSK	135	138	26.38			27.5
100	PI/2 BPSK	270	0	26.44			27.5
100	QPSK	1	1	27.03			
100	QPSK	1	137	26.94			27.5
100	QPSK	1	271	26.96			28.5
100	QPSK	135	0	25.85			27.5
100	QPSK	135	69	26.96			28.5
100	QPSK	135	138	25.74			28.5
100	QPSK	270	0	25.82			28.5
100	16QAM	1	1	25.92			25.0
100	16QAM	1	1	24.48			23.0
100	256QAM	1	1	22.51			4.5
Channel				649668	650000	650334	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	25.91	26.04	25.85	27.5
Channel				649334	650000	650668	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	25.98	25.97	25.96	27.5
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	25.98	26.05	25.84	27.5
Channel				648668	650000	651334	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	25.95	25.95	25.86	27.5
Channel				648334	650000	651668	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	25.95	26.02	25.91	27.5
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	25.97	25.99	25.81	27.5
Channel				647668	650000	652334	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	25.91	26.01	25.91	27.5
Channel				647300	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	25.98	26.04	25.90	27.5
Channel				647334	650000	652668	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	25.89	26.02	25.89	27.5
Channel				647188	650000	652834	
Frequency (MHz)				3707.52	3750	3792.51	
15	QPSK	1	1	25.90	26.03	25.88	27.5
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	25.98	26.03	25.87	27.5



Part270 n77 Ant8									
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	22.05	22.74	22.52			
100	PI2 BPSK	1	137	22.84	22.69	22.73		0.0	
100	PI2 BPSK	1	271	22.59	22.65	22.67			
100	PI2 BPSK	135	0	22.84	22.87	22.81	24.5	0.0	
100	PI2 BPSK	135	69	22.69	22.83	22.52	24.5	0.0	
100	PI2 BPSK	135	138	22.81	22.51	22.59	24.5	0.0	
100	PI2 BPSK	270	0	22.55	22.82	22.56			
100	QPSK	1	1	22.83	22.86	22.77			
100	QPSK	1	137	22.83	22.86	22.71	24.5	0.0	
100	QPSK	1	271	22.53	22.51	22.52			
100	QPSK	135	0	22.68	22.71	22.52	24.5	0.0	
100	QPSK	135	69	22.87	22.76	22.63	24.5	0.0	
100	QPSK	135	138	22.84	22.52	22.59	24.5	0.0	
100	QPSK	270	0	22.83	22.71	22.53			
100	16QAM	1	1	22.56	22.51	22.56	24.5	0.0	
100	16QAM	1	1	22.59	22.56	22.64	24.5	0.0	
100	256QAM	1	1	21.59	21.85	21.63	23.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.72	22.81	22.70	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.72	22.79	22.70	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.71	22.79	22.68	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.78	22.73	22.66	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.77	22.81	22.65	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.71	22.74	22.67	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.70	22.73	22.69	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.74	22.78	22.65	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.79	22.80	22.67	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.70	22.72	22.69	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.73	22.76	22.69	24.5	0.0	

Part270 n77 PC2 Ant8									
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	25.54	25.87	25.56			
100	PI2 BPSK	1	137	25.67	25.51	25.68		27.5	0.0
100	PI2 BPSK	1	271	25.57	25.59	25.60			
100	PI2 BPSK	135	0	25.19	25.16	25.16	27.0	0.5	
100	PI2 BPSK	135	69	25.52	25.56	25.68	27.5	0.0	
100	PI2 BPSK	135	138	25.28	25.38	25.29	27.0	0.5	
100	PI2 BPSK	270	0	25.36	25.01	25.01			
100	QPSK	1	1	25.81	25.73	25.68			
100	QPSK	1	137	25.69	25.68	25.57	27.5	0.0	
100	QPSK	1	271	25.59	25.69	25.65			
100	QPSK	135	0	24.57	24.83	24.69	26.5	1.0	
100	QPSK	135	69	25.63	25.69	25.58	27.5	0.0	
100	QPSK	135	138	24.76	24.73	24.64	26.5	1.0	
100	QPSK	270	0	24.65	24.83	24.81			
100	16QAM	1	1	24.60	24.62	24.51	26.5	1.0	
100	16QAM	1	1	23.33	23.25	23.14	25.0	2.5	
100	256QAM	1	1	21.24	21.13	21.03	23.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.52	25.62	25.62	27.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.52	25.61	25.61	27.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.56	25.87	25.59	27.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.52	25.70	25.59	27.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.52	25.69	25.64	27.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.52	25.63	25.56	27.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.52	25.63	25.62	27.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.57	25.88	25.59	27.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.51	25.81	25.62	27.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.58	25.88	25.61	27.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.51	25.62	25.59	27.5	0.0	

Part270 n78 Ant8									
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		23.06				
100	PI2 BPSK	1	137		22.92		24.5	0.0	
100	PI2 BPSK	1	271		23.02				
100	PI2 BPSK	135	0		23.09		24.5	0.0	
100	PI2 BPSK	135	69		23.00		24.5	0.0	
100	PI2 BPSK	135	138		23.03		24.5	0.0	
100	PI2 BPSK	270	0		23.04				
100	QPSK	1	1		23.03				
100	QPSK	1	137		22.91		24.5	0.0	
100	QPSK	1	271		22.96				
100	QPSK	135	0		23.05		24.5	0.0	
100	QPSK	135	69		23.07		24.5	0.0	
100	QPSK	135	138		23.03		24.5	0.0	
100	QPSK	270	0		23.04				
100	16QAM	1	1		22.79		24.5	0.0	
100	16QAM	1	1		22.84		24.5	0.0	
100	256QAM	1	1		21.82		23.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.76	22.73	22.71	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.77	22.76	22.74	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.75	22.76	22.72	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.71	22.77	22.72	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.77	22.74	22.70	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.72	22.80	22.65	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.74	22.77	22.70	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.73	22.76	22.66	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.79	22.74	22.72	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.73	22.75	22.66	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.74	22.81	22.72	24.5	0.0	



Part270 n78 PC2 Ant8									
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)				3760	3760	3760			
100	PI/2 BPSK	1	1		25.90				
100	PI/2 BPSK	1	137		25.84		27.5	0.0	
100	PI/2 BPSK	1	271		25.90				
100	PI/2 BPSK	135	0		25.83		27.0	0.5	
100	PI/2 BPSK	135	69		25.84		27.5	0.0	
100	PI/2 BPSK	135	138		25.49		27.0	0.5	
100	PI/2 BPSK	270	0		25.54				
100	QPSK	1	1		25.86				
100	QPSK	1	137		25.82		27.5	0.0	
100	QPSK	1	271		25.81				
100	QPSK	135	0		25.02		28.5	1.0	
100	QPSK	135	69		25.83		27.5	0.0	
100	QPSK	135	138		24.69		28.5	1.0	
100	QPSK	270	0		25.08				
100	16QAM	1	1		25.11		28.5	1.0	
100	16QAM	1	1		23.67		25.0	2.5	
100	256QAM	1	1		21.69		23.0	4.5	
Channel				649688	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.51	25.69	25.58	27.5	0.0
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.55	25.65	25.54	27.5	0.0
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.58	25.65	25.57	27.5	0.0
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3750.01			
60	QPSK	1	1		25.54	25.60	25.55	27.5	0.0
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.52	25.67	25.62	27.5	0.0
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.57	25.62	25.65	27.5	0.0
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		25.57	25.70	25.64	27.5	0.0
Channel				647300	650000	652500			
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		25.53	25.65	25.64	27.5	0.0
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.57	25.68	25.57	27.5	0.0
Channel				647188	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		25.55	25.68	25.57	27.5	0.0
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.57	25.62	25.57	27.5	0.0

Part270 n77 Ant10									
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	23.06	23.05	23.05			
100	PI2 BPSK	1	137	22.85	22.86	22.89			0.0
100	PI2 BPSK	1	271	22.80	22.84	22.83			
100	PI2 BPSK	138	0	22.90	23.05	22.82	24.5	0.0	
100	PI2 BPSK	138	69	22.78	22.94	22.86	24.5	0.0	
100	PI2 BPSK	138	138	22.82	22.92	22.79	24.5	0.0	
100	PI2 BPSK	270	0	22.84	22.95	22.97			
100	QPSK	1	1	23.13	23.17	23.14			
100	QPSK	1	137	22.84	22.85	22.81	24.5	0.0	
100	QPSK	1	271	22.66	22.88	22.70			
100	QPSK	138	0	23.05	23.04	23.05	24.5	0.0	
100	QPSK	138	69	23.12	23.14	23.07	24.5	0.0	
100	QPSK	138	138	22.85	22.88	22.82	24.5	0.0	
100	QPSK	270	0	22.97	23.05	23.05			
100	16QAM	1	1	22.85	22.76	22.77	24.5	0.0	
100	16QAM	1	1	22.79	22.82	22.82	24.5	0.0	
100	256QAM	1	1	21.76	21.88	21.74	23.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.55	22.61	22.60	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.58	22.56	22.52	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.60	22.54	22.61	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.59	22.62	22.57	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.53	22.62	22.60	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.52	22.61	22.53	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.55	22.64	22.52	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.53	22.60	22.59	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.60	22.57	22.55	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.58	22.62	22.55	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.57	22.58	22.61	24.5	0.0	

Part270 n77 PC2 Ant10									
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	26.01	26.02	25.82			
100	PI2 BPSK	1	137	25.64	25.87	25.90	27.5	0.0	
100	PI2 BPSK	1	271	25.74	25.90	25.98			
100	PI2 BPSK	138	0	25.28	25.40	25.36	27.0	0.5	
100	PI2 BPSK	138	69	25.76	25.84	25.74	27.5	0.0	
100	PI2 BPSK	138	138	25.29	25.26	25.19	27.0	0.5	
100	PI2 BPSK	270	0	25.36	25.37	25.37			
100	QPSK	1	1	26.03	26.07	25.98			
100	QPSK	1	137	25.65	25.73	25.66	27.5	0.0	
100	QPSK	1	271	25.53	25.72	25.81			
100	QPSK	138	0	24.91	24.91	24.80	26.5	1.0	
100	QPSK	138	69	25.85	25.92	25.73	27.5	0.0	
100	QPSK	138	138	24.88	24.72	24.84	26.5	1.0	
100	QPSK	270	0	24.75	24.83	24.89			
100	16QAM	1	1	25.11	25.03	25.05	26.5	1.0	
100	16QAM	1	1	23.51	23.53	23.44	25.0	2.5	
100	256QAM	1	1	21.80	21.77	21.70	23.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.58	25.70	25.57	27.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.51	25.62	25.50	27.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.54	25.70	25.64	27.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.56	25.85	25.55	27.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.53	25.66	25.61	27.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.56	25.62	25.58	27.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.54	25.60	25.61	27.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.58	25.62	25.61	27.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.51	25.83	25.63	27.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.56	25.61	25.58	27.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.53	25.62	25.55	27.5	0.0	

Part270 n78 Ant10									
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		23.41				
100	PI2 BPSK	1	137		23.43		24.5	0.0	
100	PI2 BPSK	1	271		23.44				
100	PI2 BPSK	138	0		23.32		24.5	0.0	
100	PI2 BPSK	138	69		23.45		24.5	0.0	
100	PI2 BPSK	138	138		23.43		24.5	0.0	
100	PI2 BPSK	270	0		23.39				
100	QPSK	1	1		23.46				
100	QPSK	1	137		23.37		24.5	0.0	
100	QPSK	1	271		23.38				
100	QPSK	138	0		23.41		24.5	0.0	
100	QPSK	138	69		23.45		24.5	0.0	
100	QPSK	138	138		23.38		24.5	0.0	
100	QPSK	270	0		23.42				
100	16QAM	1	1		23.13		24.5	0.0	
100	16QAM	1	1		23.17		24.5	0.0	
100	256QAM	1	1		22.23		23.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.51	22.56	22.52	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.58	22.54	22.54	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.54	22.82	22.57	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.01	23.06	23.02	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.55	22.57	22.53	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.55	22.61	22.60	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.59	22.61	22.55	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.57	22.84	22.57	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.54	22.61	22.51	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.51	22.58	22.52	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.54	22.61	22.55	24.5	0.0	



Part270 n78 PC2 Ant10								
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)				3760	3760	3760		
100	PI2 BPSK	1	1	26.44				
100	PI2 BPSK	1	137	26.56			27.5	0.0
100	PI2 BPSK	1	271	26.47				
100	PI2 BPSK	135	0	26.02			27.0	0.5
100	PI2 BPSK	135	69	26.46			27.5	0.0
100	PI2 BPSK	135	138	25.86			27.0	0.5
100	PI2 BPSK	270	0	25.84				
100	QPSK	1	1	26.67				
100	QPSK	1	137	26.36			27.5	0.0
100	QPSK	1	271	26.34				
100	QPSK	135	0	25.38			28.5	1.0
100	QPSK	135	69	26.48			27.5	0.0
100	QPSK	135	138	25.29			28.5	1.0
100	QPSK	270	0	25.44				
100	16QAM	1	1	25.31			28.5	1.0
100	16QAM	1	1	23.93			25.0	2.5
100	256QAM	1	1	22.04			23.0	4.5
Channel				649688	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	25.52	25.62	25.55	27.5	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	25.51	25.62	25.56	27.5	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	25.51	25.65	25.56	27.5	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	25.52	25.65	25.61	27.5	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	25.56	25.62	25.65	27.5	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.52	25.65	25.56	27.5	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	25.51	25.69	25.60	27.5	0.0
Channel				647300	650000	652500		
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	25.54	25.60	25.62	27.5	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	25.52	25.67	25.62	27.5	0.0
Channel				647188	650000	652834		
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	25.56	25.68	25.62	27.5	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	25.56	25.69	25.55	27.5	0.0

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				165800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.49	22.59	22.50			
20	PI2 BPSK	1	53	22.73	22.69	22.55	24.0	0.0	
20	PI2 BPSK	1	104	22.58	22.64	22.54			
20	PI2 BPSK	50	0	22.17	22.21	22.16	23.5	0.5	
20	PI2 BPSK	50	28	22.58	22.72	22.62	24.0	0.0	
20	PI2 BPSK	50	56	22.22	22.22	22.13	23.5	0.5	
20	PI2 BPSK	100	0	22.20	22.23	22.07			
20	QPSK	1	1	22.71	22.75	22.62			
20	QPSK	1	53	22.51	22.71	22.59	24.0	0.0	
20	QPSK	1	104	22.48	22.65	22.65			
20	QPSK	50	0	21.63	21.70	21.65	23.0	1.0	
20	QPSK	50	28	22.55	22.73	22.64	24.0	0.0	
20	QPSK	50	56	21.82	21.72	21.66	23.0	1.0	
20	QPSK	100	0	21.56	21.71	21.69			
20	16QAM	1	1	21.17	21.33	21.69	23.0	1.0	
20	64QAM	1	1	19.96	19.93	19.83	21.5	2.5	
20	256QAM	1	1	18.57	18.61	18.44	19.5	4.5	
Channel				165300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.51	22.61	22.54	24.0	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	833.5	844			
10	QPSK	1	1	22.43	22.63	22.57	24.0	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.44	22.69	22.54	24.0	0.0	

Reduced Power Mode for EC12									
n26 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.58	22.69	22.69			
20	PI2 BPSK	1	53	22.52	22.70	22.69	24.0	0.0	
20	PI2 BPSK	1	104	22.60	22.66	22.47			
20	PI2 BPSK	50	0	22.19	22.26	22.24	23.5	0.5	
20	PI2 BPSK	50	28	22.74	22.78	22.69	24.0	0.0	
20	PI2 BPSK	50	56	22.07	22.25	22.08	23.5	0.5	
20	PI2 BPSK	100	0	22.05	22.25	22.22			
20	QPSK	1	1	22.74	22.80	22.76			
20	QPSK	1	53	22.50	22.71	22.68	24.0	0.0	
20	QPSK	1	104	22.50	22.70	22.49			
20	QPSK	50	0	21.72	21.74	21.75	23.0	1.0	
20	QPSK	50	28	22.66	22.77	22.58	24.0	0.0	
20	QPSK	50	56	21.56	21.73	21.59	23.0	1.0	
20	QPSK	100	0	21.59	21.73	21.65			
20	16QAM	1	1	21.35	21.46	21.47	23.0	1.0	
20	64QAM	1	1	19.80	20.05	20.06	21.5	2.5	
20	256QAM	1	1	18.07	18.88	18.52	19.5	4.5	
Channel				165300	166300	168300			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.46	22.65	22.54	24.0	0.0	
Channel				163800	166300	168800			
Frequency (MHz)				810	831.5	844			
10	QPSK	1	1	22.51	22.69	22.52	24.0	0.0	
Channel				163300	166300	169300			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.48	22.60	22.52	24.0	0.0	

n71 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134500	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	22.83	23.00	22.90			
20	PI2 BPSK	1	53	22.86	23.09	22.96	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.01	22.97			
20	PI2 BPSK	50	0	22.55	22.96	22.55	23.5	0.5	
20	PI2 BPSK	50	28	23.13	23.11	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.57	22.80	22.48	23.5	0.5	
20	PI2 BPSK	100	0	22.38	22.56	22.53			
20	QPSK	1	1	23.08	23.14	23.01			
20	QPSK	1	53	22.94	23.04	22.92	24.0	0.0	
20	QPSK	1	104	22.99	23.01	23.00			
20	QPSK	50	0	21.97	22.05	21.97	23.0	1.0	
20	QPSK	50	28	23.02	23.10	23.08	24.0	0.0	
20	QPSK	50	56	22.10	22.10	21.89	23.0	1.0	
20	QPSK	100	0	22.02	22.06	22.04			
20	16QAM	1	1	21.83	21.75	21.58	23.0	1.0	
20	64QAM	1	1	20.40	20.46	20.39	21.5	2.5	
20	256QAM	1	1	18.98	19.02	18.09	19.5	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.43	22.67	22.57	24.0	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.43	22.64	22.55	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.52	22.61	22.52	24.0	0.0	

n38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.26	22.33	22.32			
40	PI/2 BPSK	1	53	22.45	22.45	22.45	24.0	0.0	
40	PI/2 BPSK	1	104	22.67	22.73	22.65			
40	PI/2 BPSK	50	0	21.83	21.88	21.84	23.5	0.5	
40	PI/2 BPSK	50	28	22.31	22.49	22.36	24.0	0.0	
40	PI/2 BPSK	50	56	21.94	22.05	22.02			
40	PI/2 BPSK	100	0	21.94	22.01	21.99	23.5	0.5	
40	QPSK	1	1	22.66	22.75	22.63			
40	QPSK	1	53	22.55	22.62	22.53	24.0	0.0	
40	QPSK	1	104	22.53	22.65	22.50			
40	QPSK	50	0	21.24	21.39	21.18	23.0	1.0	
40	QPSK	50	28	22.41	22.47	22.27	24.0	0.0	
40	QPSK	50	56	21.41	21.46	21.27			
40	QPSK	100	0	21.43	21.47	21.37	23.0	1.0	
40	16QAM	1	1	21.07	21.07	21.12	23.0	1.0	
40	64QAM	1	1	19.65	19.64	19.62	21.5	2.5	
40	256QAM	1	1	18.15	18.26	18.22	19.5	4.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.55	22.64	22.55	24.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.55	22.65	22.57	24.0	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.58	22.68	22.55	24.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.54	22.67	22.55	24.0	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.53	22.65	22.56	24.0	0.0	

n41 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.43	22.59	22.58			
100	PI/2 BPSK	1	137	22.52	22.66	22.62	24.0	0.0	
100	PI/2 BPSK	1	271	22.46	22.47	22.33			
100	PI/2 BPSK	135	0	22.26	22.39	22.26	23.5	0.5	
100	PI/2 BPSK	135	69	22.70	22.69	22.68	24.0	0.0	
100	PI/2 BPSK	135	138	22.43	22.50	22.51			
100	PI/2 BPSK	270	0	22.35	22.57	22.48			
100	QPSK	1	1	22.66	22.77	22.55			
100	QPSK	1	137	22.42	22.62	22.54	24.0	0.0	
100	QPSK	1	271	22.45	22.46	22.38			
100	QPSK	135	0	22.26	22.39	22.32	23.0	1.0	
100	QPSK	135	69	22.48	22.68	22.66	24.0	0.0	
100	QPSK	135	138	22.41	22.48	22.44			
100	QPSK	270	0	22.39	22.46	22.37	23.0	1.0	
100	16QAM	1	1	22.24	22.31	22.30	23.0	1.0	
100	64QAM	1	1	21.24	21.20	21.12	21.5	2.5	
100	256QAM	1	1	18.11	18.11	18.10	19.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.44	22.65	22.52	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.51	22.62	22.61	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.48	22.66	22.56	24.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.48	22.64	22.60	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.43	22.64	22.55	24.0	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.45	22.70	22.55	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.48	22.67	22.56	24.0	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.44	22.66	22.58	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.49	22.67	22.54	24.0	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.52	22.67	22.55	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.44	22.62	22.56	24.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.42	22.67	22.58	24.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.49	22.68	22.56	24.0	0.0	



n2 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	15.06	15.17	15.07			
40	PI2 BPSK	1	108	15.15	15.15	15.03	16.3	0.0	
40	PI2 BPSK	1	214	15.07	15.13	15.08			
40	PI2 BPSK	108	0	15.16	15.11	15.05	16.3	0.0	
40	PI2 BPSK	108	54	15.07	15.17	15.11	16.3	0.0	
40	PI2 BPSK	108	108	15.12	15.22	15.09	16.3	0.0	
40	PI2 BPSK	216	0	15.09	15.21	15.09			
40	QPSK	1	1	15.17	15.29	15.09			
40	QPSK	1	108	15.10	15.20	15.12	16.3	0.0	
40	QPSK	1	214	15.17	15.13	15.12			
40	QPSK	108	0	15.09	15.19	15.06	16.3	0.0	
40	QPSK	108	54	15.09	15.21	15.14	16.3	0.0	
40	QPSK	108	108	15.17	15.12	15.13	16.3	0.0	
40	QPSK	216	0	15.15	15.16	15.04	16.3	0.0	
40	16QAM	1	1	15.17	15.18	15.04	16.3	0.0	
40	64QAM	1	1	15.06	15.20	15.09	16.3	0.0	
40	256QAM	1	1	15.14	15.15	15.09	16.3	0.0	
Channel									
Frequency (MHz)				1897.5	1880	1892.5			
35	QPSK	1	1	15.16	15.18	15.10	0.0	0.0	
Channel									
Frequency (MHz)				37600	376000	376000			
30	QPSK	1	1	15.17	15.20	15.08	0.0	0.0	
Channel									
Frequency (MHz)				372500	376000	376500			
25	QPSK	1	1	15.05	15.16	15.17	15.3	0.0	
Channel									
Frequency (MHz)				372000	378000	380000			
20	QPSK	1	1	15.06	15.23	15.10	15.3	0.0	
Channel									
Frequency (MHz)				1897.5	1880	1892.5			
15	QPSK	1	1	15.05	15.13	15.09	16.3	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	15.04	15.19	15.13	16.3	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	15.02	15.00	15.01	16.3	0.0	

n5 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166800	167300	167800			
20	PI2 BPSK	1	1	21.62	21.78	21.68			
20	PI2 BPSK	1	53	21.66	21.90	21.91	23.2	0.0	
20	PI2 BPSK	1	104	21.76	21.86	21.69			
20	PI2 BPSK	50	0	21.80	21.87	21.73	23.2	0.0	
20	PI2 BPSK	50	28	21.76	21.77	21.67	23.2	0.0	
20	PI2 BPSK	50	56	21.67	21.81	21.88	23.2	0.0	
20	PI2 BPSK	100	0	21.78	21.71	21.63			
20	QPSK	1	1	21.69	21.97	21.81			
20	QPSK	1	53	21.72	21.77	21.79	23.2	0.0	
20	QPSK	1	104	21.83	21.72	21.66			
20	QPSK	50	0	21.28	21.37	21.39	22.7	0.5	
20	QPSK	50	28	21.83	21.76	21.81	23.2	0.0	
20	QPSK	50	56	21.40	21.38	21.26	22.7	0.5	
20	QPSK	100	0	21.36	21.39	21.34	22.7	0.5	
20	16QAM	1	1	21.39	21.44	21.46	22.7	0.5	
20	64QAM	1	1	19.87	19.60	19.72	21.2	2.0	
20	256QAM	1	1	18.31	18.26	18.11	19.2	4.0	
Channel									
Frequency (MHz)				163300	163300	163300			
15	QPSK	1	1	21.72	21.74	21.71	23.2	0.0	
Channel									
Frequency (MHz)				166800	167300	168800			
10	QPSK	1	1	21.65	21.78	21.75	23.2	0.0	
Channel									
Frequency (MHz)				166300	167300	166300			
5	QPSK	1	1	21.68	21.79	21.72	23.2	0.0	

n7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	16.68	16.68	16.71			
50	PI2 BPSK	1	135	16.77	16.73	16.66	18.1	0.0	
50	PI2 BPSK	1	268	16.69	16.72	16.71			
50	PI2 BPSK	135	0	16.75	16.78	16.68	18.1	0.0	
50	PI2 BPSK	135	68	16.71	16.76	16.71	18.1	0.0	
50	PI2 BPSK	135	135	16.77	16.76	16.70	18.1	0.0	
50	PI2 BPSK	270	0	16.76	16.73	16.68			
50	QPSK	1	1	16.78	16.91	16.84			
50	QPSK	1	135	16.67	16.70	16.70	18.1	0.0	
50	QPSK	1	268	16.70	16.82	16.82			
50	QPSK	135	0	16.74	16.73	16.73	18.1	0.0	
50	QPSK	135	68	16.74	16.83	16.87	18.1	0.0	
50	QPSK	135	135	16.69	16.80	16.74	18.1	0.0	
50	QPSK	270	0	16.72	16.76	16.65			
50	16QAM	1	1	16.78	16.71	16.69	18.1	0.0	
50	64QAM	1	1	16.75	16.75	16.88	18.1	0.0	
50	256QAM	1	1	16.69	16.82	16.83	18.1	0.0	
Channel									
Frequency (MHz)				25200	25350	25500			
40	QPSK	1	1	16.67	16.70	16.81	18.1	0.0	
Channel									
Frequency (MHz)				503000	507000	510500			
35	QPSK	1	1	16.78	16.76	16.73	18.1	0.0	
Channel									
Frequency (MHz)				503000	507000	511000			
30	QPSK	1	1	16.73	16.73	16.63	18.1	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	16.69	16.79	16.74	18.1	0.0	
Channel									
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	16.65	16.69	16.71	18.1	0.0	
Channel									
Frequency (MHz)				501000	507000	512000			
15	QPSK	1	1	16.70	16.79	16.86	18.1	0.0	
Channel									
Frequency (MHz)				501000	507000	513000			
10	QPSK	1	1	16.73	16.71	16.63	18.1	0.0	
Channel									
Frequency (MHz)				500500	507000	513500			
5	QPSK	1	1	16.68	16.68	16.61	18.1	0.0	



n26 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	21.71	21.85	21.77		
20	PI2 BPSK	1	53	21.73	21.84	22.03	23.2	0.0
20	PI2 BPSK	1	104	21.77	21.90	21.71		
20	PI2 BPSK	50	0	21.90	21.98	21.80	23.2	0.0
20	PI2 BPSK	50	28	21.88	21.88	21.88	23.2	0.0
20	PI2 BPSK	50	56	21.79	21.84	21.97		
20	PI2 BPSK	100	0	21.87	21.76	21.61	23.2	0.0
20	QPSK	1	1	21.72	22.09	21.59		
20	QPSK	1	53	21.66	21.80	21.85	23.2	0.0
20	QPSK	1	104	21.58	21.84	21.70		
20	QPSK	50	0	21.39	21.49	21.40	22.7	0.5
20	QPSK	50	28	21.67	21.76	21.68	23.2	0.0
20	QPSK	50	56	21.46	21.42	21.29		
20	QPSK	100	0	21.36	21.42	21.33	22.7	0.5
20	16QAM	1	1	21.48	21.47	21.47	22.7	0.5
20	64QAM	1	1	19.77	19.58	19.84	21.2	2.0
20	256QAM	1	1	18.41	18.37	18.16	19.2	4.0
Channel				163300	163300	163300	Tune-up limit (dBm)	MPR
Frequency (MHz)				821.5	831.5	841.5	(dB)	(dB)
15	QPSK	1	1	21.74	21.86	21.83	23.2	0.0
Channel				163900	163900	163900	Tune-up limit (dBm)	MPR
Frequency (MHz)				819	831.5	844	(dB)	(dB)
10	QPSK	1	1	21.78	21.89	21.84	23.2	0.0
Channel				163300	163300	163300	Tune-up limit (dBm)	MPR
Frequency (MHz)				816.5	831.5	846.5	(dB)	(dB)
5	QPSK	1	1	21.84	21.75	21.60	23.2	0.0

n66 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	16.66	16.78	16.62		
40	PI2 BPSK	1	108	16.61	16.78	16.71	18.0	0.0
40	PI2 BPSK	1	214	16.65	16.68	16.60		
40	PI2 BPSK	108	0	16.56	16.73	16.70	18.0	0.0
40	PI2 BPSK	108	54	16.61	16.75	16.70	18.0	0.0
40	PI2 BPSK	108	108	16.61	16.68	16.71		
40	PI2 BPSK	216	0	16.70	16.68	16.59	18.0	0.0
40	QPSK	1	1	16.56	16.79	16.60		
40	QPSK	1	108	16.71	16.65	16.68	18.0	0.0
40	QPSK	1	214	16.55	16.69	16.60		
40	QPSK	108	0	16.63	16.64	16.72	18.0	0.0
40	QPSK	108	54	16.62	16.76	16.71	18.0	0.0
40	QPSK	108	108	16.56	16.71	16.62	18.0	0.0
40	QPSK	216	0	16.63	16.73	16.72	18.0	0.0
40	16QAM	1	1	16.57	16.74	16.65	18.0	0.0
40	64QAM	1	1	16.60	16.68	16.68	18.0	0.0
40	256QAM	1	1	16.70	16.75	16.63	18.0	0.0
Channel				345500	349000	352000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1727.5	1745	1762.5	(dB)	(dB)
35	QPSK	1	1	16.59	16.69	16.73	16.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765	(dB)	(dB)
30	QPSK	1	1	16.61	16.78	16.71	18.0	0.0
Channel				344500	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1777.5	(dB)	(dB)
25	QPSK	1	1	16.62	16.75	16.59	18.0	0.0
Channel				344000	349000	356000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770	(dB)	(dB)
20	QPSK	1	1	16.63	16.64	16.61	18.0	0.0
Channel				343500	349000	356000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dB)	(dB)
15	QPSK	1	1	16.55	16.68	16.72	18.0	0.0
Channel				343000	349000	359000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775	(dB)	(dB)
10	QPSK	1	1	16.62	16.69	16.59	18.0	0.0
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dB)	(dB)
5	QPSK	1	1	16.63	16.70	16.65	18.0	0.0

n71 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				136500	136100	137600		
Frequency (MHz)				675	680.5	686		
20	PI2 BPSK	1	1	22.36	22.51	22.50		
20	PI2 BPSK	1	53	22.47	22.60	22.47	24.0	0.0
20	PI2 BPSK	1	104	22.48	22.51	22.46		
20	PI2 BPSK	50	0	21.96	22.06	21.97	23.5	0.5
20	PI2 BPSK	50	28	22.82	22.82	22.80	24.0	0.0
20	PI2 BPSK	50	56	22.05	22.12	21.92		
20	PI2 BPSK	100	0	22.10	22.07	22.05	23.5	0.5
20	QPSK	1	1	22.55	22.62	22.50		
20	QPSK	1	53	22.44	22.59	22.42	24.0	0.0
20	QPSK	1	104	22.38	22.50	22.36		
20	QPSK	50	0	21.51	21.54	21.47	23.0	1.0
20	QPSK	50	28	22.53	22.58	22.51	24.0	0.0
20	QPSK	50	56	21.45	21.61	21.53		
20	QPSK	100	0	21.45	21.57	21.44	23.0	1.0
20	16QAM	1	1	21.20	21.25	21.08	23.0	1.0
20	64QAM	1	1	19.91	19.97	19.88	21.5	2.5
20	256QAM	1	1	18.45	18.42	18.42	19.5	4.5
Channel				135100	135100	135100	Tune-up limit (dBm)	MPR
Frequency (MHz)				670.5	680.5	690.5	(dB)	(dB)
15	QPSK	1	1	22.09	22.15	22.05	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR
Frequency (MHz)				666	680.5	696	(dB)	(dB)
10	QPSK	1	1	22.14	22.20	22.06	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR
Frequency (MHz)				663.5	680.5	696.5	(dB)	(dB)
5	QPSK	1	1	22.08	22.13	22.08	24.0	0.0

n38 Ant1									
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	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	17.45	17.40	17.40			
40	PI/2 BPSK	1	53	17.39	17.35	17.49	19.3	0.0	
40	PI/2 BPSK	1	104	17.40	17.36	17.42			
40	PI/2 BPSK	50	0	17.40	17.43	17.42	19.3	0.0	
40	PI/2 BPSK	50	28	17.43	17.43	17.48	19.3	0.0	
40	PI/2 BPSK	50	56	17.40	17.38	17.32			
40	PI/2 BPSK	100	0	17.41	17.33	17.46	19.3	0.0	
40	QPSK	1	1	17.49	17.49	17.32			
40	QPSK	1	53	17.48	17.39	17.33	19.3	0.0	
40	QPSK	1	104	17.31	17.39	17.32			
40	QPSK	50	0	17.42	17.33	17.42	19.3	0.0	
40	QPSK	50	28	17.40	17.47	17.41	19.3	0.0	
40	QPSK	50	56	17.38	17.46	17.34			
40	QPSK	100	0	17.34	17.45	17.42	19.3	0.0	
40	16QAM	1	1	17.31	17.36	17.32	19.3	0.0	
40	64QAM	1	1	17.38	17.42	17.42	19.3	0.0	
40	256QAM	1	1	17.48	17.41	17.40	19.3	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	17.37	17.39	17.33	19.3	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	17.32	17.45	17.43	19.3	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	17.47	17.47	17.45	19.3	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	17.47	17.42	17.33	19.3	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	17.49	17.45	17.32	19.3	0.0	

n41 Ant1									
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	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.88	17.96	17.88			
100	PI/2 BPSK	1	137	17.76	17.91	17.83	19.3	0.0	
100	PI/2 BPSK	1	271	17.88	17.91	17.85			
100	PI/2 BPSK	135	0	17.78	17.90	17.86	19.3	0.0	
100	PI/2 BPSK	135	69	17.82	18.00	17.93	19.3	0.0	
100	PI/2 BPSK	135	138	17.78	17.99	17.98			
100	PI/2 BPSK	270	0	17.77	17.90	17.93	19.3	0.0	
100	QPSK	1	1	17.78	18.01	17.87			
100	QPSK	1	137	17.87	17.93	17.88	19.3	0.0	
100	QPSK	1	271	17.87	17.96	17.85			
100	QPSK	135	0	17.81	17.97	17.91	19.3	0.0	
100	QPSK	135	69	17.81	17.99	17.86	19.3	0.0	
100	QPSK	135	138	17.80	17.95	17.92			
100	QPSK	270	0	17.86	17.89	17.85	19.3	0.0	
100	16QAM	1	1	17.78	17.89	17.89	19.3	0.0	
100	64QAM	1	1	17.89	18.00	17.83	19.3	0.0	
100	256QAM	1	1	17.78	17.98	17.93	19.3	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.85	17.93	17.98	19.3	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.77	17.93	17.87	19.3	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	17.82	18.00	17.93	19.3	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	17.79	17.99	17.98	19.3	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.77	17.98	17.88	19.3	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	17.88	17.96	17.90	19.3	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.84	17.95	17.88	19.3	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	17.78	18.00	17.94	19.3	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.77	17.89	17.91	19.3	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	17.92	17.98	17.90	19.3	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.81	17.97	17.95	19.3	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	17.90	17.92	17.94	19.3	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	17.78	18.00	17.94	19.3	0.0	



n2 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									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.72	22.88	22.79			
40	PI2 BPSK	1	108	22.84	22.87	22.90	24.0	0.0	
40	PI2 BPSK	1	214	22.81	22.82	22.87			
40	PI2 BPSK	108	0	22.39	22.49	22.36	23.5	0.5	
40	PI2 BPSK	108	54	22.84	22.97	22.92	24.0	0.0	
40	PI2 BPSK	108	108	22.46	22.50	22.32	23.5	0.5	
40	PI2 BPSK	216	0	22.52	22.52	22.55			
40	QPSK	1	1	22.95	22.98	22.87			
40	QPSK	1	108	22.70	22.92	22.73	24.0	0.0	
40	QPSK	1	214	22.72	22.93	22.82			
40	QPSK	108	0	21.92	21.95	21.80	23.0	1.0	
40	QPSK	108	54	22.81	22.93	22.74	24.0	0.0	
40	QPSK	108	108	21.86	21.96	21.80	23.0	1.0	
40	QPSK	216	0	21.95	21.95	21.85			
40	16QAM	1	1	21.68	21.64	21.60	23.0	1.0	
40	64QAM	1	1	20.13	20.22	20.07	21.5	2.5	
40	256QAM	1	1	18.80	18.73	18.65	19.5	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.89	22.86	22.84	0.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.85	22.92	22.81	0.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.84	22.90	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.85	22.88	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.83	22.91	22.79	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.82	22.89	22.83	19.0	2.5	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.84	22.85	22.81	19.0	2.5	

n7 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									
Frequency (MHz)									
50	PI2 BPSK	1	1	22.65	22.78	22.70			
50	PI2 BPSK	1	135	23.05	23.03	22.91	24.0	0.0	
50	PI2 BPSK	1	268	22.71	22.82	22.83			
50	PI2 BPSK	135	0	22.48	22.47	22.48	23.5	0.5	
50	PI2 BPSK	135	68	23.01	23.02	22.99	24.0	0.0	
50	PI2 BPSK	135	135	22.50	22.49	22.28	23.5	0.5	
50	PI2 BPSK	270	0	22.41	22.55	22.46			
50	QPSK	1	1	23.04	23.08	23.01			
50	QPSK	1	135	22.95	23.03	22.94	24.0	0.0	
50	QPSK	1	268	22.73	22.85	22.68			
50	QPSK	135	0	21.98	22.03	22.04	23.0	1.0	
50	QPSK	135	68	22.81	23.03	22.89	24.0	0.0	
50	QPSK	135	135	21.94	21.99	21.77	23.0	1.0	
50	QPSK	270	0	22.04	22.06	21.96			
50	16QAM	1	1	21.87	21.61	21.47	23.0	1.0	
50	64QAM	1	1	20.07	20.18	20.17	21.5	2.5	
50	256QAM	1	1	18.75	18.69	18.66	19.5	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.95	23.01	22.97	24.0	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.97	23.01	22.91	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.97	23.01	22.91	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.95	22.98	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.01	22.98	22.91	24.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	22.92	22.98	22.89	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.96	23.04	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.98	23.02	22.91	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.91	22.95	22.97	24.0	0.0	

n66 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									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.87	23.03	22.91			
40	PI2 BPSK	1	108	22.82	22.92	22.74	24.0	0.0	
40	PI2 BPSK	1	214	22.74	22.83	22.66			
40	PI2 BPSK	108	0	22.43	22.54	22.33	23.5	0.5	
40	PI2 BPSK	108	54	22.89	23.03	22.85	24.0	0.0	
40	PI2 BPSK	108	108	22.16	22.35	22.29	23.5	0.5	
40	PI2 BPSK	216	0	22.30	22.47	22.31			
40	QPSK	1	1	23.11	23.15	23.02			
40	QPSK	1	108	22.85	22.96	22.83	24.0	0.0	
40	QPSK	1	214	22.60	22.82	22.80			
40	QPSK	108	0	21.83	22.04	22.05	23.0	1.0	
40	QPSK	108	54	22.93	23.08	23.02	24.0	0.0	
40	QPSK	108	108	21.76	21.84	21.76	23.0	1.0	
40	QPSK	216	0	21.84	21.93	21.89			
40	16QAM	1	1	21.82	21.79	21.83	23.0	1.0	
40	64QAM	1	1	20.22	20.32	20.29	21.5	2.5	
40	256QAM	1	1	18.89	18.83	18.92	19.5	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	23.00	23.05	22.97	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.93	23.03	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.92	23.05	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.99	23.04	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.92	23.05	22.91	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.95	23.04	22.89	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.98	22.97	22.92	24.0	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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.87	22.93	22.91		
40	PI/2 BPSK	1	53	23.03	23.10	23.09	24.0	0.0
40	PI/2 BPSK	1	104	23.02	23.08	23.10		
40	PI/2 BPSK	50	0	22.48	22.50	22.36	23.5	0.5
40	PI/2 BPSK	50	28	23.03	23.07	22.97	24.0	0.0
40	PI/2 BPSK	50	56	22.55	22.66	22.45		
40	PI/2 BPSK	100	0	22.61	22.58	22.37	23.5	0.5
40	QPSK	1	1	22.93	23.12	22.89		
40	QPSK	1	53	22.93	23.06	22.91	24.0	0.0
40	QPSK	1	104	22.90	23.09	23.07		
40	QPSK	50	0	21.98	21.99	21.77	23.0	1.0
40	QPSK	50	28	22.92	23.08	23.06	24.0	0.0
40	QPSK	50	56	21.84	22.04	21.92		
40	QPSK	100	0	21.83	22.02	21.92	23.0	1.0
40	16QAM	1	1	21.53	21.62	21.68	23.0	1.0
40	64QAM	1	1	20.15	20.18	20.21	21.5	2.5
40	256QAM	1	1	18.68	18.79	18.82	19.5	4.5
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.00	23.03	22.97	24.0	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.91	22.98	22.93	24.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.94	22.98	22.94	24.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.94	22.97	22.97	24.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.00	23.04	22.94	24.0	0.0

n41 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	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.99	23.10	23.12		
100	PI/2 BPSK	1	137	22.92	23.12	23.15	24.0	0.0
100	PI/2 BPSK	1	271	23.00	23.08	22.90		
100	PI/2 BPSK	135	0	22.89	22.90	22.80	23.5	0.5
100	PI/2 BPSK	135	69	22.94	23.13	23.10	24.0	0.0
100	PI/2 BPSK	135	138	23.05	23.11	23.13		
100	PI/2 BPSK	270	0	23.09	23.08	23.08		
100	QPSK	1	1	23.09	23.19	23.12		
100	QPSK	1	137	23.11	23.09	23.00	24.0	0.0
100	QPSK	1	271	22.82	23.03	22.85		
100	QPSK	135	0	22.90	22.91	22.79	23.0	1.0
100	QPSK	135	69	23.11	23.15	22.97	24.0	0.0
100	QPSK	135	138	22.01	22.14	22.07		
100	QPSK	270	0	22.19	22.21	22.17	23.0	1.0
100	16QAM	1	1	22.88	22.81	22.75	23.0	1.0
100	64QAM	1	1	20.84	20.73	20.81	21.5	2.5
100	256QAM	1	1	18.70	18.64	18.47	19.5	4.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.97	23.05	22.89	24.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.00	23.00	22.96	24.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.91	22.98	22.95	24.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.91	23.04	22.90	24.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.94	22.99	22.93	24.0	0.0
Channel				503700	518598	533496		
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	22.91	22.96	22.96	24.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.99	23.03	22.97	24.0	0.0
Channel				502704	518598	534498		
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	22.98	23.00	22.95	24.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.92	23.02	22.91	24.0	0.0
Channel				501702	518598	535500		
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	22.92	23.00	22.90	24.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.98	23.03	22.96	24.0	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.92	22.98	22.97	24.0	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.00	23.02	22.91	24.0	0.0

n38 Ant9									
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	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	19.11	19.30	19.18			
40	PI/2 BPSK	1	53	19.15	19.21	19.18	20.6	0.0	
40	PI/2 BPSK	1	104	19.22	19.23	19.19			
40	PI/2 BPSK	50	0	19.13	19.20	19.24	20.6	0.0	
40	PI/2 BPSK	50	28	19.17	19.26	19.23	20.6	0.0	
40	PI/2 BPSK	50	56	19.25	19.22	19.24	20.6	0.0	
40	PI/2 BPSK	100	0	19.27	19.28	19.22			
40	QPSK	1	1	19.24	19.31	19.24			
40	QPSK	1	53	19.27	19.25	19.27	20.6	0.0	
40	QPSK	1	104	19.13	19.11	19.21			
40	QPSK	50	0	19.17	19.21	19.23	20.6	0.0	
40	QPSK	50	28	19.18	19.28	19.16	20.6	0.0	
40	QPSK	50	56	19.26	19.26	19.18	20.6	0.0	
40	QPSK	100	0	19.13	19.22	19.11	20.6	0.0	
40	16QAM	1	1	19.12	19.22	19.26	20.6	0.0	
40	64QAM	1	1	19.17	19.26	19.21	20.6	0.0	
40	256QAM	1	1	19.18	19.23	19.10	20.6	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	19.01	19.10	19.18	20.6	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	19.12	19.16	19.19	20.6	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	19.09	19.18	19.19	20.6	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	19.11	19.12	19.20	20.6	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	19.14	19.14	19.20	20.6	0.0	

n41 Ant9									
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	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.24	19.29	19.27			
100	PI/2 BPSK	1	137	19.24	19.27	19.26	20.6	0.0	
100	PI/2 BPSK	1	271	19.30	19.24	19.30			
100	PI/2 BPSK	135	0	19.24	19.26	19.33	20.6	0.0	
100	PI/2 BPSK	135	69	19.18	19.33	19.23	20.6	0.0	
100	PI/2 BPSK	135	138	19.23	19.28	19.27	20.6	0.0	
100	PI/2 BPSK	270	0	19.30	19.29	19.24			
100	QPSK	1	1	19.24	19.34	19.30			
100	QPSK	1	137	19.20	19.30	19.26	20.6	0.0	
100	QPSK	1	271	19.21	19.25	19.22			
100	QPSK	135	0	19.29	19.31	19.31	20.6	0.0	
100	QPSK	135	69	19.18	19.32	19.24	20.6	0.0	
100	QPSK	135	138	19.21	19.23	19.12	20.6	0.0	
100	QPSK	270	0	19.30	19.31	19.30			
100	16QAM	1	1	19.17	19.28	19.26	20.6	0.0	
100	64QAM	1	1	19.23	19.32	19.32	20.6	0.0	
100	256QAM	1	1	19.18	19.25	19.16	20.6	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.10	19.13	19.20	20.6	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	19.20	19.18	19.26	20.6	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	19.07	19.27	19.25	20.6	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	19.16	19.24	19.11	20.6	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.18	19.20	19.13	20.6	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	19.19	19.20	19.20	20.6	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.20	19.16	19.11	20.6	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	19.18	19.17	19.14	20.6	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.06	19.23	19.24	20.6	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	19.19	19.20	19.23	20.6	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.17	19.22	19.19	20.6	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	19.20	19.16	19.17	20.6	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	19.20	19.14	19.12	20.6	0.0	



Part270 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									
Frequency (MHz)									
100	PI2 BPSK	1	1	17.03	17.08	18.94			
100	PI2 BPSK	1	137	16.76	16.91	16.84			
100	PI2 BPSK	1	271	17.07	17.11	16.91			
100	PI2 BPSK	135	6	17.01	17.10	16.88	18.2	0.0	
100	PI2 BPSK	135	69	16.91	17.14	16.92	18.2	0.0	
100	PI2 BPSK	135	138	17.02	17.11	16.90	18.2	0.0	
100	PI2 BPSK	270	0	17.01	17.15	17.10			
100	QPSK	1	1	17.17	17.20	17.13			
100	QPSK	1	137	17.04	16.95	16.80	18.2	0.0	
100	QPSK	1	271	17.00	17.08	16.88			
100	QPSK	135	0	17.00	16.98	16.96	18.2	0.0	
100	QPSK	135	69	16.96	17.15	17.04	18.2	0.0	
100	QPSK	135	138	16.96	17.06	17.05	18.2	0.0	
100	QPSK	270	0	16.94	17.05	16.94			
100	16QAM	1	1	16.80	16.85	16.67	18.2	0.0	
100	16QAM	1	1	16.69	16.76	16.66	18.2	0.0	
100	256QAM	1	1	17.06	17.05	17.00	18.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.03	16.99	16.94	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.01	17.03	16.90	18.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.98	17.02	16.95	18.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.95	16.99	16.98	18.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.03	17.01	17.00	18.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.98	17.04	16.91	18.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.94	16.96	16.89	18.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.94	17.02	16.93	18.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.01	16.97	16.97	18.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.93	17.06	16.92	18.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.98	16.95	16.92	18.2	0.0	

Part270 n77 PC2 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									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.04	20.12	19.90			
100	PI2 BPSK	1	137	20.00	20.05	19.92			
100	PI2 BPSK	1	271	20.03	20.12	19.98			
100	PI2 BPSK	135	6	20.05	20.03	19.96	21.2	0.0	
100	PI2 BPSK	135	69	20.05	20.05	19.89	21.2	0.0	
100	PI2 BPSK	135	138	20.07	20.03	19.89	21.2	0.0	
100	PI2 BPSK	270	0	19.96	20.07	19.95			
100	QPSK	1	1	20.04	20.17	19.90			
100	QPSK	1	137	20.02	20.05	19.92	21.2	0.0	
100	QPSK	1	271	19.99	20.10	19.97			
100	QPSK	135	0	20.07	20.10	19.94	21.2	0.0	
100	QPSK	135	69	20.00	20.12	19.99	21.2	0.0	
100	QPSK	135	138	20.03	20.08	19.90	21.2	0.0	
100	QPSK	270	0	20.08	20.05	20.00			
100	16QAM	1	1	20.06	20.08	19.88	21.2	0.0	
100	16QAM	1	1	19.98	20.03	19.96	21.2	0.0	
100	256QAM	1	1	19.97	20.10	19.95	21.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.07	20.05	19.95	21.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.06	20.02	19.92	21.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.97	20.10	19.90	21.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.05	20.11	19.93	21.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.99	20.03	19.89	21.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.02	20.07	19.93	21.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.05	20.06	19.89	21.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.99	20.12	19.96	21.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.07	20.10	19.92	21.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.97	20.11	19.94	21.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.04	20.09	19.88	21.2	0.0	

Part270 n78 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									
Frequency (MHz)									
100	PI2 BPSK	1	1		17.14				
100	PI2 BPSK	1	137		17.24				
100	PI2 BPSK	1	271		17.33				
100	PI2 BPSK	135	0		17.32		18.2	0.0	
100	PI2 BPSK	135	69		17.41		18.2	0.0	
100	PI2 BPSK	135	138		17.25		18.2	0.0	
100	PI2 BPSK	270	0		17.49				
100	QPSK	1	1		17.50				
100	QPSK	1	137		17.34		18.2	0.0	
100	QPSK	1	271		17.24				
100	QPSK	135	0		17.40		18.2	0.0	
100	QPSK	135	69		17.41		18.2	0.0	
100	QPSK	135	138		17.26		18.2	0.0	
100	QPSK	270	0		17.33				
100	16QAM	1	1		17.28		18.2	0.0	
100	16QAM	1	1		17.29		18.2	0.0	
100	256QAM	1	1		17.28		18.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.25	17.31	17.22	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.27	17.24	17.20	18.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.25	17.31	17.33	18.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.21	17.24	17.28	18.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.23	17.30	17.30	18.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.29	17.28	17.32	18.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.27	17.30	17.30	18.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.26	17.24	17.32	18.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.23	17.26	17.25	18.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.20	17.30	17.23	18.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.27	17.33	17.25	18.2	0.0	



Part270 n78 PC2 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	650000		
Frequency (MHz)				3760	3760	3760		
100	PI/2 BPSK	1	1		20.34			
100	PI/2 BPSK	1	137		20.32		21.2	0.0
100	PI/2 BPSK	1	271		20.37		21.2	0.0
100	PI/2 BPSK	135	0		20.31		21.2	0.0
100	PI/2 BPSK	135	69		20.29		21.2	0.0
100	PI/2 BPSK	135	138		20.31		21.2	0.0
100	PI/2 BPSK	270	0		20.33		21.2	0.0
100	QPSK	1	1		20.36			
100	QPSK	1	137		20.29		21.2	0.0
100	QPSK	1	271		20.32		21.2	0.0
100	QPSK	135	0		20.29		21.2	0.0
100	QPSK	135	69		20.37		21.2	0.0
100	QPSK	135	138		20.36		21.2	0.0
100	QPSK	270	0		20.34		21.2	0.0
100	16QAM	1	1		20.32		21.2	0.0
100	16QAM	1	1		20.38		21.2	0.0
100	256QAM	1	1		20.28		21.2	0.0
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3760	3765.01	21.2	0.0
90	QPSK	1	1	20.22	20.28	20.23	21.2	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3760	3760.02	21.2	0.0
80	QPSK	1	1	20.22	20.19	20.26	21.2	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3736	3760	3765	21.2	0.0
70	QPSK	1	1	20.28	20.21	20.27	21.2	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3760	3760.01	21.2	0.0
60	QPSK	1	1	20.26	20.21	20.22	21.2	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3760	3775.02	21.2	0.0
50	QPSK	1	1	20.29	20.26	20.23	21.2	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3760	3760	21.2	0.0
40	QPSK	1	1	20.27	20.24	20.21	21.2	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3760	3765.01	21.2	0.0
30	QPSK	1	1	20.21	20.20	20.19	21.2	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3760	3767.5	21.2	0.0
25	QPSK	1	1	20.22	20.25	20.27	21.2	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3760	3760.02	21.2	0.0
20	QPSK	1	1	20.19	20.18	20.26	21.2	0.0
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3760	3762.51	21.2	0.0
15	QPSK	1	1	20.22	20.26	20.27	21.2	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3760	3765	21.2	0.0
10	QPSK	1	1	20.26	20.24	20.24	21.2	0.0



**Part270 n77 Ant4**

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)				3750	3840	3930		
100	PI2 BPSK	1	1	17.06	17.17	17.12		
100	PI2 BPSK	1	137	17.11	17.10	16.99	18.6	0.0
100	PI2 BPSK	1	271	17.06	17.04	16.79		
100	PI2 BPSK	138	0	17.20	17.23	17.23	18.6	0.0
100	PI2 BPSK	138	69	17.01	17.20	17.05	18.6	0.0
100	PI2 BPSK	138	138	17.03	17.06	17.17	18.6	0.0
100	PI2 BPSK	270	0	17.02	17.10	17.19		
100	QPSK	1	1	17.26	17.28	17.01		
100	QPSK	1	137	16.84	17.16	17.20	18.6	0.0
100	QPSK	1	271	17.10	17.05	17.02		
100	QPSK	138	0	16.98	17.20	17.03	18.6	0.0
100	QPSK	138	69	17.25	17.26	17.18	18.6	0.0
100	QPSK	138	138	17.21	17.20	17.08	18.6	0.0
100	QPSK	270	0	16.97	17.17	17.06		
100	16QAM	1	1	16.78	16.90	16.89	18.6	0.0
100	16QAM	1	1	16.70	16.87	16.76	18.6	0.0
100	256QAM	1	1	16.88	16.78	16.81	18.6	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1				18.6	0.0
Channel								
Frequency (MHz)				649334	656000	662666		
80	QPSK	1	1	3740.01	3840	3940.02		
Channel								
Frequency (MHz)				649000	650000	653000		
70	QPSK	1	1				18.6	0.0
Channel								
Frequency (MHz)				648668	650000	663334		
60	QPSK	1	1	3740.02	3840	3950.01		
Channel								
Frequency (MHz)				648334	650000	663668		
50	QPSK	1	1	3725.01	3840	3955.02		
Channel								
Frequency (MHz)				648000	650000	664000		
40	QPSK	1	1				18.6	0.0
Channel								
Frequency (MHz)				647668	650000	664334		
30	QPSK	1	1	3715.02	3840	3955.01		
Channel								
Frequency (MHz)				647500	650000	664500		
25	QPSK	1	1				18.6	0.0
Channel								
Frequency (MHz)				647334	650000	664668		
20	QPSK	1	1	3710.01	3840	3970.02		
Channel								
Frequency (MHz)				647168	650000	664834		
15	QPSK	1	1	3707.52	3840	3972.51		
Channel								
Frequency (MHz)				647000	650000	665000		
10	QPSK	1	1				18.6	0.0

**Part270 n77 PC2 Ant4**

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)				3750	3840	3930		
100	PI2 BPSK	1	1	20.27	20.29	20.27		
100	PI2 BPSK	1	137	20.06	20.24	19.99	21.6	0.0
100	PI2 BPSK	1	271	19.81	20.03	19.96		
100	PI2 BPSK	138	0	20.21	20.30	20.22	21.6	0.0
100	PI2 BPSK	138	69	19.96	20.21	19.95	21.6	0.0
100	PI2 BPSK	138	138	19.88	19.98	19.89	21.6	0.0
100	PI2 BPSK	270	0	20.24	20.36	20.31		
100	QPSK	1	1	19.99	20.37	20.05		
100	QPSK	1	137	19.81	20.02	19.87	21.6	0.0
100	QPSK	1	271	20.19	20.30	20.21		
100	QPSK	138	0	20.06	20.16	19.94	21.6	0.0
100	QPSK	138	69	19.85	20.34	19.91	21.6	0.0
100	QPSK	138	138	20.26	20.33	20.23	21.6	0.0
100	QPSK	270	0	19.98	20.18	20.04		
100	16QAM	1	1	19.77	20.03	19.97	21.6	0.0
100	16QAM	1	1	20.22	20.29	20.27	21.6	0.0
100	256QAM	1	1	19.97	20.20	19.96	21.6	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1				21.6	0.0
Channel								
Frequency (MHz)				649334	650000	662668		
80	QPSK	1	1	3740.01	3840	3940.02		
Channel								
Frequency (MHz)				649000	650000	653000		
70	QPSK	1	1				21.6	0.0
Channel								
Frequency (MHz)				648668	650000	663334		
60	QPSK	1	1	3740.02	3840	3950.01		
Channel								
Frequency (MHz)				648334	650000	663668		
50	QPSK	1	1	3725.01	3840	3955.02		
Channel								
Frequency (MHz)				648000	650000	664000		
40	QPSK	1	1				21.6	0.0
Channel								
Frequency (MHz)				647668	650000	664334		
30	QPSK	1	1	3715.02	3840	3955.01		
Channel								
Frequency (MHz)				647500	650000	664500		
25	QPSK	1	1				21.6	0.0
Channel								
Frequency (MHz)				647334	650000	664668		
20	QPSK	1	1	3710.01	3840	3970.02		
Channel								
Frequency (MHz)				647168	650000	664834		
15	QPSK	1	1	3707.52	3840	3972.51		
Channel								
Frequency (MHz)				647000	650000	665000		
10	QPSK	1	1				21.6	0.0

**Part270 n78 Ant4**

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)				3750	3750	3750		
100	PI2 BPSK	1	1			17.81		
100	PI2 BPSK	1	137			17.36	18.6	0.0
100	PI2 BPSK	1	271			17.48		
100	PI2 BPSK	138	0			17.53	18.6	0.0
100	PI2 BPSK	138	69			17.42	18.6	0.0
100	PI2 BPSK	138	138			17.36	18.6	0.0
100	PI2 BPSK	270	0			17.51		
100	QPSK	1	1			17.85		
100	QPSK	1	137			17.34	18.6	0.0
100	QPSK	1	271			17.41		
100	QPSK	138	0			17.49	18.6	0.0
100	QPSK	138	69			17.53	18.6	0.0
100	QPSK	138	138			17.33	18.6	0.0
100	QPSK	270	0			17.52		
100	16QAM	1	1			17.23	18.6	0.0
100	16QAM	1	1			17.16	18.6	0.0
100	256QAM	1	1			17.19	18.6	0.0
Channel								
Frequency (MHz)				648968	650000	660334		
90	QPSK	1	1			3755.01	18.6	0.0
Channel								
Frequency (MHz)				649334	650000	659968		
80	QPSK	1	1	3740.01	3750	3780.02		
Channel								
Frequency (MHz)				649000	650000	651000		
70	QPSK	1	1			3765	18.6	0.0
Channel								
Frequency (MHz)				648668	650000	651334		
60	QPSK	1	1	3740.02	3750	3770.01		
Channel								
Frequency (MHz)				648334	650000	651668		
50	QPSK	1	1	3725.01	3750	3775.02		
Channel								
Frequency (MHz)				648000	650000	652000		
40	QPSK	1	1			3780	18.6	0.0
Channel								
Frequency (MHz)				647668	650000	652334		
30	QPSK	1	1	3715.02	3750	3785.01		
Channel								
Frequency (MHz)				647500	650000	652500		
25	QPSK	1	1			3787.5	18.6	0.0
Channel								
Frequency (MHz)				647334	650000	652668		
20	QPSK	1	1	3710.01	3750	3790.02		
Channel								
Frequency (MHz)				647168	650000	652834		
15	QPSK	1	1	3707.52	3750	3792.51		
Channel								
Frequency (MHz)				647000	650000	653000		
10	QPSK	1	1			3795	18.6	0.0



Part270 n78 PC2 Ant4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
				650000	650000	650000	
				3750	3750	3750	
100	PI/2 BPSK	1	1		20.57		
100	PI/2 BPSK	1	137		20.44		21.6
100	PI/2 BPSK	1	271		20.46		21.6
100	PI/2 BPSK	135	0		20.48		21.6
100	PI/2 BPSK	135	69		20.46		21.6
100	PI/2 BPSK	135	138		20.45		21.6
100	PI/2 BPSK	270	0		20.52		21.6
100	QPSK	1	1		20.58		
100	QPSK	1	137		20.45		21.6
100	QPSK	1	271		20.54		21.6
100	QPSK	135	0		20.48		21.6
100	QPSK	135	69		20.54		21.6
100	QPSK	135	138		20.53		21.6
100	QPSK	270	0		20.42		21.6
100	16QAM	1	1		20.47		21.6
100	16QAM	1	1		20.50		21.6
100	256QAM	1	1		20.43		21.6
				649668	650000	650334	
				3745.02	3750	3755.01	
90	QPSK	1	1				21.6
				649334	650000	650668	
				3740.01	3750	3760.02	
80	QPSK	1	1				21.6
				649000	650000	651000	
				3735	3750	3765	
70	QPSK	1	1				21.6
				648668	650000	651334	
				3730.02	3750	3770.01	
60	QPSK	1	1				21.6
				648334	650000	651668	
				3725.01	3750	3775.02	
50	QPSK	1	1				21.6
				648000	650000	652000	
				3720	3750	3780	
40	QPSK	1	1				21.6
				647668	650000	652334	
				3715.02	3750	3785.01	
30	QPSK	1	1				21.6
				647500	650000	652500	
				3712.5	3750	3787.5	
25	QPSK	1	1				21.6
				647334	650000	652668	
				3710.01	3750	3790.02	
20	QPSK	1	1				21.6
				647188	650000	652834	
				3707.52	3750	3792.51	
15	QPSK	1	1				21.6
				647000	650000	653000	
				3705	3750	3795	
10	QPSK	1	1				21.6



Part270 n77 Ant8									
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	22.05	22.74	22.52			
100	PI2 BPSK	1	137	22.84	22.69	22.73			0.0
100	PI2 BPSK	1	271	22.59	22.65	22.67			
100	PI2 BPSK	138	0	22.84	22.87	22.81	24.5	0.0	
100	PI2 BPSK	138	69	22.69	22.83	22.52	24.5	0.0	
100	PI2 BPSK	138	138	22.81	22.51	22.59	24.5	0.0	
100	PI2 BPSK	270	0	22.55	22.82	22.56			
100	QPSK	1	1	22.83	22.86	22.77			
100	QPSK	1	137	22.83	22.86	22.71	24.5	0.0	
100	QPSK	1	271	22.53	22.51	22.52			
100	QPSK	138	0	22.68	22.71	22.52	24.5	0.0	
100	QPSK	138	69	22.87	22.76	22.63	24.5	0.0	
100	QPSK	138	138	22.84	22.52	22.59	24.5	0.0	
100	QPSK	270	0	22.83	22.71	22.53			
100	16QAM	1	1	22.58	22.51	22.56	24.5	0.0	
100	16QAM	1	1	22.58	22.56	22.64	24.5	0.0	
100	256QAM	1	1	21.59	21.85	21.63	23.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.72	22.81	22.70	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.72	22.79	22.70	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.71	22.79	22.68	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.78	22.73	22.66	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.77	22.81	22.65	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.71	22.74	22.67	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.70	22.73	22.69	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.74	22.78	22.65	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.79	22.80	22.67	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.70	22.72	22.69	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.73	22.76	22.69	24.5	0.0	

Part270 n77 PC2 Ant8									
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	25.54	25.87	25.56			
100	PI2 BPSK	1	137	25.67	25.51	25.68	27.5	0.0	
100	PI2 BPSK	1	271	25.57	25.59	25.60			
100	PI2 BPSK	138	0	25.19	25.16	25.16	27.0	0.5	
100	PI2 BPSK	138	69	25.52	25.56	25.68	27.5	0.0	
100	PI2 BPSK	138	138	25.28	25.38	25.29	27.0	0.5	
100	PI2 BPSK	270	0	25.36	25.01	25.01			
100	QPSK	1	1	25.81	25.73	25.68			
100	QPSK	1	137	25.69	25.68	25.57	27.5	0.0	
100	QPSK	1	271	25.59	25.69	25.65			
100	QPSK	138	0	24.57	24.83	24.69	26.5	1.0	
100	QPSK	138	69	25.63	25.69	25.58	27.5	0.0	
100	QPSK	138	138	24.76	24.73	24.64	26.5	1.0	
100	QPSK	270	0	24.65	24.83	24.81			
100	16QAM	1	1	24.60	24.62	24.51	26.5	1.0	
100	16QAM	1	1	23.33	23.25	23.14	25.0	2.5	
100	256QAM	1	1	21.24	21.13	21.03	23.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.52	25.62	25.62	27.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.52	25.61	25.61	27.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.56	25.87	25.59	27.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.52	25.70	25.59	27.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.52	25.69	25.64	27.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.52	25.63	25.56	27.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.52	25.63	25.62	27.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.57	25.88	25.59	27.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.51	25.81	25.62	27.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.58	25.88	25.61	27.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.51	25.62	25.59	27.5	0.0	

Part270 n78 Ant8									
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		23.06				
100	PI2 BPSK	1	137		22.92		24.5	0.0	
100	PI2 BPSK	1	271		23.02				
100	PI2 BPSK	138	0		23.09		24.5	0.0	
100	PI2 BPSK	138	69		23.00		24.5	0.0	
100	PI2 BPSK	138	138		23.03		24.5	0.0	
100	PI2 BPSK	270	0		23.04				
100	QPSK	1	1		23.03				
100	QPSK	1	137		22.91		24.5	0.0	
100	QPSK	1	271		22.96				
100	QPSK	138	0		23.05		24.5	0.0	
100	QPSK	138	69		23.07		24.5	0.0	
100	QPSK	138	138		23.03		24.5	0.0	
100	QPSK	270	0		23.04				
100	16QAM	1	1		22.79		24.5	0.0	
100	16QAM	1	1		22.84		24.5	0.0	
100	256QAM	1	1		21.82		23.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.76	22.73	22.71	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.77	22.75	22.74	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.75	22.75	22.72	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.71	22.77	22.72	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.77	22.74	22.70	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.72	22.80	22.65	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.74	22.77	22.70	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.73	22.76	22.66	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.79	22.74	22.72	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.73	22.75	22.66	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.74	22.81	22.72	24.5	0.0	



Part270 n78 PC2 Ant8									
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				3760	3760	3760			
Frequency (MHz)									
100	PI/2 BPSK	1	1		25.90				
100	PI/2 BPSK	1	137		25.84		27.5	0.0	
100	PI/2 BPSK	1	271		25.90				
100	PI/2 BPSK	135	0		25.83		27.0	0.5	
100	PI/2 BPSK	135	69		25.84		27.5	0.0	
100	PI/2 BPSK	135	138		25.49		27.0	0.5	
100	PI/2 BPSK	270	0		25.54				
100	QPSK	1	1		25.86				
100	QPSK	1	137		25.82		27.5	0.0	
100	QPSK	1	271		25.81				
100	QPSK	135	0		25.02		28.5	1.0	
100	QPSK	135	69		25.83		27.5	0.0	
100	QPSK	135	138		24.69		28.5	1.0	
100	QPSK	270	0		25.08				
100	16QAM	1	1		25.11		28.5	1.0	
100	16QAM	1	1		23.67		25.0	2.5	
100	256QAM	1	1		21.69		23.0	4.5	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.51	25.69	25.58	27.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.55	25.65	25.54	27.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.58	25.65	25.57	27.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3730.01			
60	QPSK	1	1		25.54	25.60	25.55	27.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.52	25.67	25.62	27.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.57	25.62	25.65	27.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3755.01			
30	QPSK	1	1		25.57	25.70	25.84	27.5	0.0
Channel				647300	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		25.53	25.65	25.64	27.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3780.02			
20	QPSK	1	1		25.57	25.68	25.57	27.5	0.0
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		25.55	25.68	25.57	27.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.57	25.62	25.57	27.5	0.0



Part270 n77 Ant10

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Rows include various modulation types like Pi2 BPSK, QPSK, and 16QAM across different frequencies and power levels.

Part270 n77 PC2 Ant10

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Rows include various modulation types like Pi2 BPSK, QPSK, and 16QAM across different frequencies and power levels.

Part270 n78 Ant10

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Rows include various modulation types like Pi2 BPSK, QPSK, and 16QAM across different frequencies and power levels.



Part270 n78 PC2 Ant10								
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)				3760	3760	3760		
100	PI/2 BPSK	1	1	26.44				
100	PI/2 BPSK	1	137	26.56			27.5	0.0
100	PI/2 BPSK	1	271	26.47				
100	PI/2 BPSK	135	0	26.02			27.0	0.5
100	PI/2 BPSK	135	69	26.46			27.5	0.0
100	PI/2 BPSK	135	138	25.86			27.0	0.5
100	PI/2 BPSK	270	0	25.84				
100	QPSK	1	1	26.67				
100	QPSK	1	137	26.36			27.5	0.0
100	QPSK	1	271	26.34				
100	QPSK	135	0	25.38			28.5	1.0
100	QPSK	135	69	26.48			27.5	0.0
100	QPSK	135	138	25.29			28.5	1.0
100	QPSK	270	0	25.44				
100	16QAM	1	1	25.31			28.5	1.0
100	16QAM	1	1	23.93			25.0	2.5
100	256QAM	1	1	22.04			23.0	4.5
Channel				649688	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	25.52	25.62	25.55	27.5	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	25.51	25.62	25.56	27.5	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	25.51	25.65	25.56	27.5	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	25.52	25.65	25.61	27.5	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	25.56	25.62	25.65	27.5	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.52	25.65	25.56	27.5	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	25.51	25.69	25.60	27.5	0.0
Channel				647300	650000	652900		
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	25.54	25.60	25.62	27.5	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	25.52	25.67	25.62	27.5	0.0
Channel				647188	650000	652834		
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	25.56	25.68	25.62	27.5	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	25.56	25.69	25.55	27.5	0.0



n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				165800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.49	22.59	22.50	24.0	0.0	
20	PI2 BPSK	1	53	22.73	22.69	22.55			
20	PI2 BPSK	1	104	22.58	22.64	22.54			
20	PI2 BPSK	50	0	22.17	22.21	22.16	23.5	0.5	
20	PI2 BPSK	50	28	22.58	22.72	22.62	24.0	0.0	
20	PI2 BPSK	50	56	22.22	22.22	22.13	23.5	0.5	
20	PI2 BPSK	100	0	22.20	22.23	22.07			
20	QPSK	1	1	22.71	22.75	22.62			
20	QPSK	1	53	22.51	22.71	22.59	24.0	0.0	
20	QPSK	1	104	22.48	22.65	22.65			
20	QPSK	50	0	21.63	21.70	21.65			
20	QPSK	50	28	22.55	22.73	22.64	24.0	0.0	
20	QPSK	50	56	21.82	21.72	21.66	23.0	1.0	
20	QPSK	100	0	21.56	21.71	21.69			
20	16QAM	1	1	21.17	21.33	21.69			
20	16QAM	1	1	19.96	19.93	19.83	21.5	2.5	
20	256QAM	1	1	18.57	18.61	18.44	19.5	4.5	
Channel				165300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.51	22.61	22.54	24.0	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	833.5	844			
10	QPSK	1	1	22.43	22.63	22.57	24.0	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.44	22.69	22.54	24.0	0.0	

Reduced Power Mode for EC13									
n26 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				165800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.58	22.69	22.69	24.0	0.0	
20	PI2 BPSK	1	53	22.52	22.70	22.69			
20	PI2 BPSK	1	104	22.60	22.66	22.47			
20	PI2 BPSK	50	0	22.19	22.26	22.24	23.5	0.5	
20	PI2 BPSK	50	28	22.74	22.78	22.69	24.0	0.0	
20	PI2 BPSK	50	56	22.07	22.25	22.08	23.5	0.5	
20	PI2 BPSK	100	0	22.05	22.25	22.22			
20	QPSK	1	1	22.74	22.80	22.76			
20	QPSK	1	53	22.50	22.71	22.68	24.0	0.0	
20	QPSK	1	104	22.50	22.70	22.49			
20	QPSK	50	0	21.72	21.74	21.75			
20	QPSK	50	28	22.66	22.77	22.58	24.0	0.0	
20	QPSK	50	56	21.56	21.73	21.59	23.0	1.0	
20	QPSK	100	0	21.59	21.73	21.65			
20	16QAM	1	1	21.35	21.46	21.47			
20	16QAM	1	1	19.80	20.05	20.06	21.5	2.5	
20	256QAM	1	1	18.07	18.88	18.52	19.5	4.5	
Channel				165300	166300	168300			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.46	22.65	22.54	24.0	0.0	
Channel				163800	166300	168800			
Frequency (MHz)				810	813.5	844			
10	QPSK	1	1	22.51	22.69	22.52	24.0	0.0	
Channel				163300	166300	169300			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.48	22.60	22.52	24.0	0.0	

n71 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134500	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	22.83	23.00	22.90	24.0	0.0	
20	PI2 BPSK	1	53	22.86	23.09	22.96			
20	PI2 BPSK	1	104	23.02	23.01	22.97			
20	PI2 BPSK	50	0	22.55	22.96	22.55	23.5	0.5	
20	PI2 BPSK	50	28	23.13	23.11	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.57	22.80	22.48	23.5	0.5	
20	PI2 BPSK	100	0	22.38	22.56	22.53			
20	QPSK	1	1	23.08	23.14	23.01			
20	QPSK	1	53	22.94	23.04	22.92	24.0	0.0	
20	QPSK	1	104	22.99	23.01	23.00			
20	QPSK	50	0	21.97	22.05	21.97			
20	QPSK	50	28	23.02	23.10	23.08	24.0	0.0	
20	QPSK	50	56	22.10	22.10	21.89	23.0	1.0	
20	QPSK	100	0	22.02	22.06	22.04			
20	16QAM	1	1	21.83	21.75	21.58			
20	16QAM	1	1	20.40	20.46	20.39	21.5	2.5	
20	256QAM	1	1	18.98	19.02	18.09	19.5	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.43	22.67	22.57	24.0	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.43	22.64	22.55	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.52	22.61	22.52	24.0	0.0	

n38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	18.04	18.16	18.06			
40	PI/2 BPSK	1	53	18.01	18.12	18.08	19.3	0.0	
40	PI/2 BPSK	1	104	18.07	18.15	18.14			
40	PI/2 BPSK	50	0	18.04	18.11	18.09	19.3	0.0	
40	PI/2 BPSK	50	28	18.09	18.16	18.14	19.3	0.0	
40	PI/2 BPSK	50	56	18.02	18.20	18.08			
40	PI/2 BPSK	100	0	18.07	18.13	18.10	19.3	0.0	
40	QPSK	1	1	17.99	18.21	18.06			
40	QPSK	1	53	18.09	18.11	18.09	19.3	0.0	
40	QPSK	1	104	18.01	18.13	18.08			
40	QPSK	50	0	18.07	18.16	18.13	19.3	0.0	
40	QPSK	50	28	18.04	18.18	18.07	19.3	0.0	
40	QPSK	50	56	18.05	18.14	18.07			
40	QPSK	100	0	18.04	18.17	18.08	19.3	0.0	
40	16QAM	1	1	18.06	18.16	18.11	19.3	0.0	
40	64QAM	1	1	18.02	18.12	18.17	19.3	0.0	
40	256QAM	1	1	17.95	18.06	18.02	19.3	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	17.84	18.04	17.91	19.3	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	17.89	17.98	17.98	19.3	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	17.87	18.03	17.96	19.3	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	17.86	18.07	17.99	19.3	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	17.90	17.98	17.93	19.3	0.0	

n41 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.16	18.21	18.22			
100	PI/2 BPSK	1	137	18.18	18.27	18.23	19.3	0.0	
100	PI/2 BPSK	1	271	18.19	18.18	18.16			
100	PI/2 BPSK	135	0	18.21	18.19	18.24	19.3	0.0	
100	PI/2 BPSK	135	69	18.18	18.21	18.17	19.3	0.0	
100	PI/2 BPSK	135	138	18.23	18.26	18.22			
100	PI/2 BPSK	270	0	18.19	18.25	18.15	19.3	0.0	
100	QPSK	1	1	18.18	18.32	18.17			
100	QPSK	1	137	18.17	18.16	18.24	19.3	0.0	
100	QPSK	1	271	18.24	18.15	18.16			
100	QPSK	135	0	18.27	18.23	18.19	19.3	0.0	
100	QPSK	135	69	18.25	18.28	18.24	19.3	0.0	
100	QPSK	135	138	18.26	18.22	18.16			
100	QPSK	270	0	18.24	18.26	18.23	19.3	0.0	
100	16QAM	1	1	18.25	18.24	18.18	19.3	0.0	
100	64QAM	1	1	18.24	18.23	18.22	19.3	0.0	
100	256QAM	1	1	18.11	18.11	18.10	19.3	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	18.11	18.11	18.05	19.3	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	18.06	18.08	18.10	19.3	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	18.02	18.05	18.02	19.3	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.00	18.06	18.05	19.3	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	18.11	18.04	18.03	19.3	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	18.11	18.04	18.07	19.3	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	18.02	18.00	18.06	19.3	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	18.10	18.12	18.07	19.3	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.09	18.07	18.06	19.3	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	18.04	18.10	18.03	19.3	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	18.02	18.04	17.99	19.3	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	18.06	18.02	18.00	19.3	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	18.08	18.01	18.09	19.3	0.0	

n2 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pl2 BPSK	1	1	16.15	16.17	16.09			
40	Pl2 BPSK	1	108	15.86	16.04	15.91	17.5	0.0	
40	Pl2 BPSK	1	214	15.84	16.07	15.84			
40	Pl2 BPSK	108	0	16.15	16.12	16.08	17.5	0.0	
40	Pl2 BPSK	108	54	15.96	15.99	15.84	17.5	0.0	
40	Pl2 BPSK	108	108	15.92	16.07	15.90	17.5	0.0	
40	Pl2 BPSK	216	0	16.18	16.12	16.09			
40	QPSK	1	1	16.18	16.21	16.04			
40	QPSK	1	108	16.02	15.97	15.91	17.5	0.0	
40	QPSK	1	214	16.13	16.11	16.13			
40	QPSK	108	0	15.96	15.97	15.89	17.5	0.0	
40	QPSK	108	54	16.15	16.19	16.14	17.5	0.0	
40	QPSK	108	108	16.11	16.12	16.12	17.5	0.0	
40	QPSK	216	0	15.90	16.14	15.93			
40	16QAM	1	1	16.18	16.18	16.05	17.5	0.0	
40	64QAM	1	1	15.92	15.99	15.90	17.5	0.0	
40	256QAM	1	1	16.04	16.03	15.84	17.5	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	16.11	16.10	15.95	0.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.12	16.16	15.93	0.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.05	16.06	15.92	17.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.09	16.13	15.96	17.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.12	16.09	16.00	17.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.06	16.14	15.93	17.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.04	16.14	15.98	17.5	0.0	

n5 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	22.17	22.23	22.18			
20	Pl2 BPSK	1	53	22.22	22.34	22.36	24.0	0.0	
20	Pl2 BPSK	1	104	22.28	22.29	22.15			
20	Pl2 BPSK	50	0	21.80	21.87	21.73	23.5	0.5	
20	Pl2 BPSK	50	28	22.29	22.37	22.22	24.0	0.0	
20	Pl2 BPSK	50	56	21.83	21.89	21.91	23.5	0.5	
20	Pl2 BPSK	100	0	21.78	21.89	21.85			
20	QPSK	1	1	22.30	22.46	22.42			
20	QPSK	1	53	22.16	22.36	22.36	24.0	0.0	
20	QPSK	1	104	22.06	22.29	22.22			
20	QPSK	50	0	21.28	21.37	21.39	23.0	1.0	
20	QPSK	50	28	22.27	22.40	22.24	24.0	0.0	
20	QPSK	50	56	21.40	21.38	21.26	23.0	1.0	
20	QPSK	100	0	21.36	21.35	21.34			
20	16QAM	1	1	21.39	21.44	21.46	23.0	1.0	
20	64QAM	1	1	19.87	19.60	19.72	21.5	2.5	
20	256QAM	1	1	18.31	18.26	18.11	19.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.20	22.33	22.14	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.16	22.27	22.19	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.15	22.33	22.17	24.0	0.0	

n7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	Pl2 BPSK	1	1	18.04	18.03	17.92			
50	Pl2 BPSK	1	135	17.81	17.89	17.71	19.4	0.0	
50	Pl2 BPSK	1	268	17.69	17.89	17.84			
50	Pl2 BPSK	135	0	17.98	18.05	17.94	19.4	0.0	
50	Pl2 BPSK	135	68	17.87	17.94	17.86	19.4	0.0	
50	Pl2 BPSK	135	135	17.70	17.78	17.82	19.4	0.0	
50	Pl2 BPSK	270	0	17.95	18.06	18.01			
50	QPSK	1	1	17.88	18.09	17.76			
50	QPSK	1	135	17.86	17.81	17.84	19.4	0.0	
50	QPSK	1	268	18.05	18.07	17.85			
50	QPSK	135	0	17.91	17.90	17.75	19.4	0.0	
50	QPSK	135	68	17.75	18.08	17.82	19.4	0.0	
50	QPSK	135	135	18.01	18.00	17.97	19.4	0.0	
50	QPSK	270	0	17.95	17.95	17.68			
50	16QAM	1	1	17.77	17.79	17.87	19.4	0.0	
50	64QAM	1	1	17.73	17.89	17.78	19.4	0.0	
50	256QAM	1	1	17.69	17.88	17.74	19.4	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.76	17.99	17.69	19.4	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	17.83	18.01	17.65	19.4	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.81	17.93	17.71	19.4	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.81	18.01	17.82	19.4	0.0	
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	17.74	17.99	17.64	19.4	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.73	17.93	17.62	19.4	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.79	17.97	17.67	19.4	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	17.76	18.02	17.67	19.4	0.0	



n26 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				164800	166300	167800		
Frequency (MHz)								
20	PI2 BPSK	1	1	22.26	22.33	22.28		
20	PI2 BPSK	1	53	22.18	22.30	22.21	24.0	0.0
20	PI2 BPSK	1	104	22.35	22.33	22.28		
20	PI2 BPSK	50	0	21.91	21.93	21.82	23.5	0.5
20	PI2 BPSK	50	28	22.43	22.43	22.29	24.0	0.0
20	PI2 BPSK	50	56	21.89	21.93	21.89		
20	PI2 BPSK	100	0	21.92	21.92	21.78	23.5	0.5
20	QPSK	1	1	22.43	22.47	22.31		
20	QPSK	1	53	22.33	22.34	22.24	24.0	0.0
20	QPSK	1	104	22.21	22.34	22.35		
20	QPSK	50	0	21.42	21.42	21.36	23.0	1.0
20	QPSK	50	28	22.35	22.41	22.28	24.0	0.0
20	QPSK	50	56	21.26	21.41	21.25	23.0	1.0
20	QPSK	100	0	21.31	21.40	21.25	23.0	1.0
20	16QAM	1	1	21.14	21.11	21.03	23.0	1.0
20	64QAM	1	1	19.79	19.72	19.73	21.5	2.5
20	256QAM	1	1	18.22	18.35	18.41	19.5	4.5
Channel				163300	163300	163300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	1	22.17	22.36	22.15	24.0	0.0
Channel				163900	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	1	22.15	22.30	22.14	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	1	22.23	22.35	22.18	24.0	0.0

n66 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				346000	349000	352000		
Frequency (MHz)								
40	PI2 BPSK	1	1	19.28	19.37	19.30		
40	PI2 BPSK	1	108	18.27	18.35	18.29	19.7	0.0
40	PI2 BPSK	1	214	18.31	18.32	18.13		
40	PI2 BPSK	108	0	18.38	18.43	18.40	19.7	0.0
40	PI2 BPSK	108	54	18.17	18.28	18.28	19.7	0.0
40	PI2 BPSK	108	108	18.32	18.21	18.15		
40	PI2 BPSK	216	0	18.35	18.36	18.34	19.7	0.0
40	QPSK	1	1	18.28	18.45	18.31		
40	QPSK	1	108	18.25	18.23	18.08	19.7	0.0
40	QPSK	1	214	18.37	18.38	18.30		
40	QPSK	108	0	18.23	18.30	18.21	19.7	0.0
40	QPSK	108	54	18.22	18.43	18.08	19.7	0.0
40	QPSK	108	108	18.36	18.33	18.33	19.7	0.0
40	QPSK	216	0	18.28	18.35	18.30		
40	16QAM	1	1	18.27	18.23	18.11	19.7	0.0
40	64QAM	1	1	18.22	18.27	18.16	19.7	0.0
40	256QAM	1	1	17.85	18.01	17.84	19.2	0.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
35	QPSK	1	1	18.15	18.38	18.16	19.7	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
30	QPSK	1	1	18.16	18.34	18.16	19.7	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
25	QPSK	1	1	17.25	17.45	17.25	19.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	QPSK	1	1	18.42	18.30	18.18	19.7	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	1	18.19	18.31	18.21	19.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	1	18.19	18.34	18.23	19.7	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	1	18.15	18.33	18.15	19.7	0.0

n71 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				136500	136100	137000		
Frequency (MHz)								
20	PI2 BPSK	1	1	22.38	22.51	22.50		
20	PI2 BPSK	1	53	22.47	22.60	22.47	24.0	0.0
20	PI2 BPSK	1	104	22.48	22.51	22.46		
20	PI2 BPSK	50	0	21.96	22.06	21.97	23.5	0.5
20	PI2 BPSK	50	28	22.62	22.62	22.50	24.0	0.0
20	PI2 BPSK	50	56	22.05	22.12	21.92		
20	PI2 BPSK	100	0	22.10	22.07	22.05	23.5	0.5
20	QPSK	1	1	22.55	22.62	22.50		
20	QPSK	1	53	22.44	22.59	22.42	24.0	0.0
20	QPSK	1	104	22.38	22.50	22.38		
20	QPSK	50	0	21.51	21.54	21.47	23.0	1.0
20	QPSK	50	28	22.53	22.58	22.51	24.0	0.0
20	QPSK	50	56	21.45	21.61	21.53	23.0	1.0
20	QPSK	100	0	21.45	21.57	21.44		
20	16QAM	1	1	21.20	21.25	21.08	23.0	1.0
20	64QAM	1	1	19.91	19.97	19.88	21.5	2.5
20	256QAM	1	1	18.45	18.52	18.42	19.5	4.5
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	1	22.09	22.15	22.05	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	1	22.14	22.20	22.06	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	1	22.08	22.13	22.08	24.0	0.0

n38 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				519004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	17.89	18.11	17.99		
40	PI/2 BPSK	1	53	17.67	17.81	17.92	19.5	0.0
40	PI/2 BPSK	1	104	17.62	17.77	17.59		
40	PI/2 BPSK	50	0	17.89	18.07	18.01	19.5	0.0
40	PI/2 BPSK	50	28	17.68	17.82	17.91	19.5	0.0
40	PI/2 BPSK	50	56	17.59	17.70	17.51	19.5	0.0
40	PI/2 BPSK	100	0	17.95	18.04	17.96		
40	QPSK	1	1	17.57	18.13	17.93		
40	QPSK	1	53	17.65	17.78	17.54	19.5	0.0
40	QPSK	1	104	18.00	18.06	17.93		
40	QPSK	50	0	17.59	17.81	17.83	19.5	0.0
40	QPSK	50	28	17.69	17.94	17.57	19.5	0.0
40	QPSK	50	56	17.90	17.74	17.90	19.5	0.0
40	QPSK	100	0	17.62	17.80	17.79	19.5	0.0
40	16QAM	1	1	17.66	17.71	17.59	19.5	0.0
40	64QAM	1	1	17.65	17.89	17.91	19.5	0.0
40	256QAM	1	1	17.63	17.90	17.85	19.5	0.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	17.74	18.01	17.85	19.5	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	17.79	17.97	17.85	19.5	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	17.73	18.02	17.84	19.5	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	17.78	17.99	17.79	19.5	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	17.70	18.00	17.86	19.5	0.0

n41 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.36	18.41	18.43		
100	PI/2 BPSK	1	137	18.19	18.32	18.23	19.5	0.0
100	PI/2 BPSK	1	271	18.12	18.31	18.09		
100	PI/2 BPSK	135	0	18.38	18.43	18.39	19.5	0.0
100	PI/2 BPSK	135	69	18.23	18.37	18.19	19.5	0.0
100	PI/2 BPSK	135	138	18.16	18.25	18.11	19.5	0.0
100	PI/2 BPSK	270	0	18.30	18.35	18.40		
100	QPSK	1	1	18.24	18.42	18.17		
100	QPSK	1	137	18.14	18.28	18.09	19.5	0.0
100	QPSK	1	271	18.29	18.40	18.40		
100	QPSK	135	0	18.20	18.40	18.18	19.5	0.0
100	QPSK	135	69	18.19	18.46	18.05	19.5	0.0
100	QPSK	135	138	18.33	18.40	18.38	19.5	0.0
100	QPSK	270	0	18.18	18.37	18.16	19.5	0.0
100	16QAM	1	1	18.30	18.36	18.41	19.5	0.0
100	64QAM	1	1	18.26	18.38	18.15	19.5	0.0
100	256QAM	1	1	18.20	18.28	18.06	19.5	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.20	18.33	18.06	19.5	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.08	18.36	18.11	19.5	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.17	18.35	18.04	19.5	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.14	18.38	18.01	19.5	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.12	18.37	18.11	19.5	0.0
Channel				503700	518598	533496		
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	18.16	18.33	18.05	19.5	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.19	18.33	18.11	19.5	0.0
Channel				502704	518598	534498		
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	18.08	18.31	18.10	19.5	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.09	18.31	18.07	19.5	0.0
Channel				501702	518598	535500		
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	18.16	18.31	18.10	19.5	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.09	18.36	18.11	19.5	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.11	18.33	18.06	19.5	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.09	18.34	18.05	19.5	0.0

n2 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									
Frequency (MHz)									
40	P12 BPSK	1	1	22.72	22.88	22.79			
40	P12 BPSK	1	108	22.84	22.87	22.90	24.0	0.0	
40	P12 BPSK	1	214	22.81	22.82	22.87			
40	P12 BPSK	108	0	22.39	22.48	22.36	23.5	0.5	
40	P12 BPSK	108	54	22.84	22.97	22.92	24.0	0.0	
40	P12 BPSK	108	108	22.46	22.50	22.32	23.5	0.5	
40	P12 BPSK	216	0	22.52	22.52	22.55			
40	QPSK	1	1	22.95	22.98	22.87			
40	QPSK	1	108	22.70	22.92	22.73	24.0	0.0	
40	QPSK	1	214	22.72	22.93	22.82			
40	QPSK	108	0	21.92	21.95	21.80	23.0	1.0	
40	QPSK	108	54	22.81	22.93	22.74	24.0	0.0	
40	QPSK	108	108	21.86	21.96	21.80	23.0	1.0	
40	QPSK	216	0	21.95	21.95	21.85			
40	16QAM	1	1	21.68	21.84	21.60	23.0	1.0	
40	64QAM	1	1	20.13	20.22	20.07	21.5	2.5	
40	256QAM	1	1	18.80	18.73	18.65	19.5	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.89	22.86	22.84	0.0	0.0	
Channel									
Tune-up limit (dBm)									
				373000	376000	379000		MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.85	22.82	22.81	0.0	0.0	
Channel									
Tune-up limit (dBm)									
				372500	376000	379500		MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.84	22.90	22.80	24.0	0.0	
Channel									
Tune-up limit (dBm)									
				372000	376000	380000		MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.85	22.88	22.82	24.0	0.0	
Channel									
Tune-up limit (dBm)									
				371500	376000	380500		MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.83	22.91	22.79	24.0	0.0	
Channel									
Tune-up limit (dBm)									
				371000	376000	381000		MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.82	22.89	22.83	19.0	2.5	
Channel									
Tune-up limit (dBm)									
				370500	376000	381500		MPR	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.84	22.85	22.81	19.0	2.5	

n7 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									
Frequency (MHz)									
50	P12 BPSK	1	1	22.65	22.78	22.70			
50	P12 BPSK	1	135	23.05	23.03	22.91	24.0	0.0	
50	P12 BPSK	1	268	22.71	22.82	22.83			
50	P12 BPSK	135	0	22.48	22.47	22.48	23.5	0.5	
50	P12 BPSK	135	68	23.01	23.02	22.99	24.0	0.0	
50	P12 BPSK	135	135	22.50	22.49	22.28	23.5	0.5	
50	P12 BPSK	270	0	22.41	22.55	22.46			
50	QPSK	1	1	23.04	23.08	23.01			
50	QPSK	1	135	22.95	23.03	22.84	24.0	0.0	
50	QPSK	1	268	22.73	22.85	22.88			
50	QPSK	135	0	21.98	22.03	22.04	23.0	1.0	
50	QPSK	135	68	22.81	23.03	22.89	24.0	0.0	
50	QPSK	135	135	21.94	21.98	21.77	23.0	1.0	
50	QPSK	270	0	22.04	22.06	21.96			
50	16QAM	1	1	21.87	21.81	21.47	23.0	1.0	
50	64QAM	1	1	20.07	20.18	20.17	21.5	2.5	
50	256QAM	1	1	18.75	18.69	18.66	19.5	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.95	23.01	22.97	24.0	0.0	
Channel									
Tune-up limit (dBm)									
				503000	507000	510500		MPR	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.97	23.01	22.91	24.0	0.0	
Channel									
Tune-up limit (dBm)									
				503000	507000	511000		MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.95	22.98	22.94	24.0	0.0	
Channel									
Tune-up limit (dBm)									
				502500	507000	511500		MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.01	22.98	22.91	24.0	0.0	
Channel									
Tune-up limit (dBm)									
				502000	507000	512000		MPR	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	22.92	22.98	22.89	24.0	0.0	
Channel									
Tune-up limit (dBm)									
				501500	507000	512500		MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.96	23.04	22.93	24.0	0.0	
Channel									
Tune-up limit (dBm)									
				501000	507000	513000		MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.98	23.02	22.91	24.0	0.0	
Channel									
Tune-up limit (dBm)									
				500500	507000	513500		MPR	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.91	22.95	22.97	24.0	0.0	

n66 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									
Frequency (MHz)									
40	P12 BPSK	1	1	22.11	22.17	22.02			
40	P12 BPSK	1	108	21.87	21.91	21.78	23.2	0.0	
40	P12 BPSK	1	214	21.81	21.85	21.78			
40	P12 BPSK	108	0	22.10	22.11	21.97	23.2	0.0	
40	P12 BPSK	108	54	21.84	21.98	21.79	23.2	0.0	
40	P12 BPSK	108	108	21.58	21.84	21.76	23.2	0.0	
40	P12 BPSK	216	0	22.13	22.19	21.98			
40	QPSK	1	1	21.80	22.21	21.85			
40	QPSK	1	108	21.81	21.86	21.81	23.2	0.0	
40	QPSK	1	214	22.05	22.14	21.99			
40	QPSK	108	0	21.88	21.93	21.79	23.2	0.0	
40	QPSK	108	54	21.84	22.12	21.80	23.2	0.0	
40	QPSK	108	108	22.07	22.01	22.03	23.2	0.0	
40	QPSK	216	0	21.98	21.96	21.84			
40	16QAM	1	1	21.61	21.80	21.84	23.2	0.0	
40	64QAM	1	1	20.22	20.32	20.29	21.7	1.5	
40	256QAM	1	1	18.89	18.83	18.92	19.7	3.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	21.89	22.09	21.76	23.2	0.0	
Channel									
Tune-up limit (dBm)									
				345000	349000	353000		MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.87	22.11	21.70	23.2	0.0	
Channel									
Tune-up limit (dBm)									
				344500	349000	353500		MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.71	22.17	21.71	23.2	0.0	
Channel									
Tune-up limit (dBm)									
				344000	349000	354000		MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.84	22.07	21.69	23.2	0.0	
Channel									
Tune-up limit (dBm)									
				343500	349000	354500		MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.77	22.15	21.70	23.2	0.0	
Channel									
Tune-up limit (dBm)									
				343000	349000	355000		MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.71	22.12	21.77	23.2	0.0	
Channel									
Tune-up limit (dBm)									
				342500	349000	355500		MPR	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.69	22.16	21.76	23.2	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	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.87	22.93	22.91			
40	PI/2 BPSK	1	53	23.03	23.10	23.09	24.0	0.0	
40	PI/2 BPSK	1	104	23.02	23.08	23.10			
40	PI/2 BPSK	50	0	22.48	22.50	22.36	23.5	0.5	
40	PI/2 BPSK	50	28	23.03	23.07	22.97	24.0	0.0	
40	PI/2 BPSK	50	56	22.55	22.66	22.45			
40	PI/2 BPSK	100	0	22.61	22.58	22.37	23.5	0.5	
40	QPSK	1	1	22.93	23.12	22.89			
40	QPSK	1	53	22.93	23.06	22.91	24.0	0.0	
40	QPSK	1	104	22.90	23.09	23.07			
40	QPSK	50	0	21.98	21.99	21.77	23.0	1.0	
40	QPSK	50	28	22.92	23.08	23.06	24.0	0.0	
40	QPSK	50	56	21.84	22.04	21.92			
40	QPSK	100	0	21.83	22.02	21.92	23.0	1.0	
40	16QAM	1	1	21.53	21.62	21.68	23.0	1.0	
40	64QAM	1	1	20.15	20.18	20.21	21.5	2.5	
40	256QAM	1	1	18.68	18.79	18.82	19.5	4.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.00	23.03	22.97	24.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.91	22.98	22.93	24.0	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.94	22.98	22.94	24.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.94	22.97	22.97	24.0	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.00	23.04	22.94	24.0	0.0	

n41 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	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.99	23.10	23.12			
100	PI/2 BPSK	1	137	22.92	23.12	23.15	24.0	0.0	
100	PI/2 BPSK	1	271	23.00	23.08	22.90			
100	PI/2 BPSK	135	0	22.89	22.90	22.80	23.5	0.5	
100	PI/2 BPSK	135	69	22.94	23.13	23.10	24.0	0.0	
100	PI/2 BPSK	135	138	23.05	23.11	23.13			
100	PI/2 BPSK	270	0	23.09	23.08	23.08			
100	QPSK	1	1	23.09	23.19	23.12			
100	QPSK	1	137	23.11	23.09	23.00	24.0	0.0	
100	QPSK	1	271	22.82	23.03	22.85			
100	QPSK	135	0	22.90	22.91	22.79	23.0	1.0	
100	QPSK	135	69	23.11	23.15	22.97	24.0	0.0	
100	QPSK	135	138	22.01	22.14	22.07			
100	QPSK	270	0	22.19	22.21	22.17	23.0	1.0	
100	16QAM	1	1	22.88	22.81	22.75	23.0	1.0	
100	64QAM	1	1	20.84	20.73	20.81	21.5	2.5	
100	256QAM	1	1	18.70	18.64	18.47	19.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.97	23.05	22.89	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.00	23.00	22.96	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.91	22.98	22.95	24.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.91	23.04	22.90	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.94	22.99	22.93	24.0	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.91	22.96	22.96	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.99	23.03	22.97	24.0	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.98	23.00	22.95	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.92	23.02	22.91	24.0	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.92	23.00	22.90	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.98	23.03	22.96	24.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.92	22.98	22.97	24.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.00	23.02	22.91	24.0	0.0	

n38 Ant9									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	18.07	18.17	18.13			
40	PI/2 BPSK	1	53	17.98	18.07	18.09	19.3	0.0	
40	PI/2 BPSK	1	104	18.09	18.18	18.11			
40	PI/2 BPSK	50	0	18.03	18.19	18.19	19.3	0.0	
40	PI/2 BPSK	50	28	18.02	18.14	18.11	19.3	0.0	
40	PI/2 BPSK	50	56	18.09	18.14	18.06	19.3	0.0	
40	PI/2 BPSK	100	0	18.15	18.13	18.17			
40	QPSK	1	1	17.97	18.21	18.10			
40	QPSK	1	53	18.00	18.13	18.01	19.3	0.0	
40	QPSK	1	104	18.06	18.17	18.14			
40	QPSK	50	0	17.97	18.07	18.15	19.3	0.0	
40	QPSK	50	28	18.02	18.18	18.02	19.3	0.0	
40	QPSK	50	56	18.04	18.08	18.09			
40	QPSK	100	0	18.04	18.00	18.06	19.3	0.0	
40	16QAM	1	1	18.10	18.17	18.12	19.3	0.0	
40	64QAM	1	1	18.00	18.08	18.08	19.3	0.0	
40	256QAM	1	1	18.07	18.16	18.05	19.3	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	17.90	18.16	18.04	19.3	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	17.82	18.12	18.03	19.3	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	17.93	18.09	17.98	19.3	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	17.82	18.13	18.01	19.3	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	17.84	18.06	17.97	19.3	0.0	

n41 Ant9									
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	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.17	18.16	18.19			
100	PI/2 BPSK	1	137	17.90	18.16	18.08	19.3	0.0	
100	PI/2 BPSK	1	271	17.87	18.07	18.01			
100	PI/2 BPSK	135	0	18.10	18.18	18.17	19.3	0.0	
100	PI/2 BPSK	135	69	17.91	18.20	18.11	19.3	0.0	
100	PI/2 BPSK	135	138	17.89	18.00	18.01	19.3	0.0	
100	PI/2 BPSK	270	0	18.10	18.17	18.24			
100	QPSK	1	1	17.95	18.26	18.08			
100	QPSK	1	137	17.87	18.10	18.04	19.3	0.0	
100	QPSK	1	271	18.18	18.17	18.17			
100	QPSK	135	0	17.91	18.16	18.13	19.3	0.0	
100	QPSK	135	69	17.85	18.24	17.99	19.3	0.0	
100	QPSK	135	138	18.13	18.12	18.20			
100	QPSK	270	0	17.90	18.12	18.10	19.3	0.0	
100	16QAM	1	1	18.13	18.19	18.19	19.3	0.0	
100	64QAM	1	1	17.91	18.14	18.10	19.3	0.0	
100	256QAM	1	1	17.80	18.06	18.04	19.3	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.84	18.13	17.94	19.3	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.82	18.19	17.99	19.3	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	17.79	18.16	17.83	19.3	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	17.89	18.10	17.98	19.3	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.81	18.22	17.93	19.3	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	17.89	18.16	17.93	19.3	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.81	18.20	18.01	19.3	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	17.88	18.12	17.85	19.3	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.79	18.15	17.97	19.3	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	17.89	18.19	18.02	19.3	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.84	18.13	17.97	19.3	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	17.81	18.18	18.02	19.3	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	17.86	18.12	18.01	19.3	0.0	

**Part270 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								
Frequency (MHz)								
100	PI2 BPSK	1	1	16.75	16.76	16.76		
100	PI2 BPSK	1	137	16.54	16.48	16.23		0.0
100	PI2 BPSK	1	271	16.51	16.57	16.37		
100	PI2 BPSK	135	6	16.70	16.80	16.56	17.8	0.0
100	PI2 BPSK	135	69	16.53	16.49	16.31	17.8	0.0
100	PI2 BPSK	135	138	16.59	16.58	16.30		0.0
100	PI2 BPSK	270	0	16.79	16.79	16.82		
100	QPSK	1	1	16.54	16.66	16.20		
100	QPSK	1	137	16.47	16.53	16.30	17.8	0.0
100	QPSK	1	271	16.68	16.81	16.56		
100	QPSK	135	0	16.43	16.50	16.26	17.8	0.0
100	QPSK	135	69	16.54	16.80	16.31	17.8	0.0
100	QPSK	135	138	16.74	16.79	16.64		
100	QPSK	270	0	16.49	16.50	16.22		0.0
100	16QAM	1	1	16.75	16.77	16.61	17.8	0.0
100	16QAM	1	1	16.46	16.40	16.21	17.8	0.0
100	256QAM	1	1	16.49	16.59	16.39	17.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.40	16.82	16.06	17.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.43	16.81	16.15	17.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.45	16.70	16.14	17.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.44	16.74	16.07	17.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.44	16.75	16.10	17.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.45	16.72	16.05	17.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.45	16.70	16.10	17.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.41	16.75	16.16	17.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.47	16.72	16.05	17.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.49	16.74	16.15	17.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.44	16.81	16.15	17.8	0.0

**Part270 n77 PC2 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								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.48	19.56	19.47		
100	PI2 BPSK	1	137	19.30	19.32	19.25	20.8	0.0
100	PI2 BPSK	1	271	19.33	19.42	19.42		
100	PI2 BPSK	135	6	19.57	19.54	19.48	20.8	0.0
100	PI2 BPSK	135	69	19.26	19.37	19.31	20.8	0.0
100	PI2 BPSK	135	138	19.35	19.42	19.32		0.0
100	PI2 BPSK	270	0	19.49	19.62	19.44		
100	QPSK	1	1	19.25	19.33	19.25		
100	QPSK	1	137	19.31	19.37	19.39	20.8	0.0
100	QPSK	1	271	19.48	19.62	19.43		
100	QPSK	135	0	19.29	19.43	19.26	20.8	0.0
100	QPSK	135	69	19.35	19.55	19.42	20.8	0.0
100	QPSK	135	138	19.46	19.54	19.45		0.0
100	QPSK	270	0	19.35	19.39	19.32		0.0
100	16QAM	1	1	19.49	19.58	19.42	20.8	0.0
100	16QAM	1	1	19.28	19.37	19.23	20.8	0.0
100	256QAM	1	1	19.25	19.46	19.36	20.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.21	19.51	19.14	20.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.14	19.57	19.09	20.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.15	19.53	19.20	20.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.17	19.49	19.11	20.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.16	19.57	19.10	20.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.14	19.52	19.19	20.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.15	19.48	19.13	20.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.13	19.58	19.12	20.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.20	19.58	19.11	20.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.21	19.55	19.20	20.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.11	19.52	19.18	20.8	0.0

**Part270 n78 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								
Frequency (MHz)								
100	PI2 BPSK	1	1		16.93			
100	PI2 BPSK	1	137		16.82		17.8	0.0
100	PI2 BPSK	1	271		16.76			
100	PI2 BPSK	135	0		17.00		17.8	0.0
100	PI2 BPSK	135	69		16.78		17.8	0.0
100	PI2 BPSK	135	138		16.75		17.8	0.0
100	PI2 BPSK	270	0		17.03			
100	QPSK	1	1		17.05			
100	QPSK	1	137		16.80		17.8	0.0
100	QPSK	1	271		16.94			
100	QPSK	135	0		16.72		17.8	0.0
100	QPSK	135	69		17.02		17.8	0.0
100	QPSK	135	138		17.01			
100	QPSK	270	0		16.76		17.8	0.0
100	16QAM	1	1		16.95		17.8	0.0
100	16QAM	1	1		16.79		17.8	0.0
100	256QAM	1	1		16.82		17.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.9883	650334	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01		
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.91	16.95	16.92	17.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.91	16.96	16.94	17.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.91	16.89	16.91	17.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.97	16.97	17.00	17.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.92	16.94	16.92	17.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.99	16.94	16.96	17.8	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.97	16.92	16.95	17.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.93	16.98	16.92	17.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.95	16.97	16.90	17.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.97	16.91	16.98	17.8	0.0

Part270 n78 PC2 Ant7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		19.80		
100	PI/2 BPSK	1	137		19.67		20.8
100	PI/2 BPSK	1	271		19.89		20.8
100	PI/2 BPSK	135	0		19.80		20.8
100	PI/2 BPSK	135	89		19.68		20.8
100	PI/2 BPSK	135	138		19.62		20.8
100	PI/2 BPSK	270	0		19.80		20.8
100	QPSK	1	1		19.80		
100	QPSK	1	137		19.85		20.8
100	QPSK	1	271		19.89		20.8
100	QPSK	135	0		19.70		20.8
100	QPSK	135	89		19.88		20.8
100	QPSK	135	138		19.80		20.8
100	QPSK	270	0		19.72		20.8
100	16QAM	1	1		19.83		20.8
100	16QAM	1	1		19.65		20.8
100	256QAM	1	1		19.68		20.8
Channel				649688	650000	650334	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1		19.83	19.81	20.8
Channel				649334	650000	650668	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1		19.82	19.80	20.8
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1		19.80	19.81	20.8
Channel				648668	650000	651334	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1		19.80	19.77	20.8
Channel				648334	650000	651668	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1		19.85	19.83	20.8
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1		19.82	19.79	20.8
Channel				647668	650000	652334	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1		19.79	19.78	20.8
Channel				647300	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1		19.77	19.85	20.8
Channel				647334	650000	652668	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1		19.83	19.82	20.8
Channel				647188	650000	652834	
Frequency (MHz)				3707.52	3750	3792.51	
15	QPSK	1	1		19.80	19.80	20.8
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1		19.84	19.86	20.8



Part270 n77 PC3 Ant4									
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	18.56	18.66	18.76			
100	PI2 BPSK	1	137	18.69	18.59	18.47			0.0
100	PI2 BPSK	1	271	18.53	18.53	18.34			
100	PI2 BPSK	135	0	18.69	18.69	18.72			19.8
100	PI2 BPSK	135	69	18.52	18.68	18.49			19.8
100	PI2 BPSK	135	138	18.45	18.62	18.65			19.8
100	PI2 BPSK	270	0	18.52	18.69	18.69			19.8
100	QPSK	1	1	18.66	18.76	18.52			19.8
100	QPSK	1	137	18.46	18.62	18.70			19.8
100	QPSK	1	271	18.53	18.57	18.48			19.8
100	QPSK	135	0	18.44	18.72	18.57			19.8
100	QPSK	135	69	18.70	18.75	18.68			19.8
100	QPSK	135	138	18.61	18.67	18.50			19.8
100	QPSK	270	0	18.44	18.70	18.51			19.8
100	16QAM	1	1	18.27	18.34	18.35			19.8
100	16QAM	1	1	18.11	18.32	18.30			19.8
100	256QAM	1	1	18.17	18.37	18.31			19.8
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.55	18.72	18.40			19.8
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.51	18.63	18.43			19.8
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.56	18.68	18.37			19.8
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.61	18.62	18.46			19.8
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.58	18.66	18.37			19.8
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.52	18.65	18.37			19.8
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.52	18.66	18.39			19.8
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.54	18.67	18.48			19.8
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.59	18.60	18.41			19.8
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.56	18.65	18.36			19.8
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.57	18.62	18.38			19.8

Part270 n77 PC2 Ant4									
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	21.73	21.86	21.71			
100	PI2 BPSK	1	137	21.49	21.72	21.50			22.8
100	PI2 BPSK	1	271	21.38	21.49	21.38			
100	PI2 BPSK	135	0	21.77	21.89	21.77			22.8
100	PI2 BPSK	135	69	21.50	21.66	21.46			22.8
100	PI2 BPSK	135	138	21.30	21.49	21.44			22.8
100	PI2 BPSK	270	0	21.71	21.90	21.73			22.8
100	QPSK	1	1	21.52	21.98	21.45			22.8
100	QPSK	1	137	21.31	21.50	21.43			22.8
100	QPSK	1	271	21.71	21.80	21.81			22.8
100	QPSK	135	0	21.48	21.74	21.47			22.8
100	QPSK	135	69	21.28	21.85	21.46			22.8
100	QPSK	135	138	21.69	21.75	21.70			22.8
100	QPSK	270	0	21.53	21.68	21.47			22.8
100	16QAM	1	1	21.73	21.82	21.77			22.8
100	16QAM	1	1	21.50	21.66	21.46			22.8
100	256QAM	1	1	21.36	21.48	21.45			22.8
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.43	21.89	21.30			22.8
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.36	21.83	21.23			22.8
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.39	21.93	21.33			22.8
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.47	21.91	21.38			22.8
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.45	21.89	21.32			22.8
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.43	21.91	21.37			22.8
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.43	21.90	21.30			22.8
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.46	21.88	21.31			22.8
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.47	21.83	21.39			22.8
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.48	21.89	21.40			22.8
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.45	21.92	21.36			22.8

Part270 n78 PC3 Ant4									
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	18.96	18.96	18.96			
100	PI2 BPSK	1	137	18.94	18.94	18.94			19.8
100	PI2 BPSK	1	271	18.99	18.99	18.99			
100	PI2 BPSK	135	0	18.97	18.97	18.97			19.8
100	PI2 BPSK	135	69	18.94	18.94	18.94			19.8
100	PI2 BPSK	135	138	18.86	18.86	18.86			19.8
100	PI2 BPSK	270	0	18.91	18.91	18.91			19.8
100	QPSK	1	1	18.93	18.93	18.93			19.8
100	QPSK	1	137	18.83	18.83	18.83			19.8
100	QPSK	1	271	18.85	18.85	18.85			19.8
100	QPSK	135	0	18.92	18.92	18.92			19.8
100	QPSK	135	69	18.99	18.99	18.99			19.8
100	QPSK	135	138	18.83	18.83	18.83			19.8
100	QPSK	270	0	18.93	18.93	18.93			19.8
100	16QAM	1	1	18.75	18.75	18.75			19.8
100	16QAM	1	1	18.74	18.74	18.74			19.8
100	256QAM	1	1	18.67	18.67	18.67			19.8
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.89	18.89	18.91			19.8
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.89	18.89	18.90			19.8
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.92	18.89	18.96			19.8
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.94	18.94	18.91			19.8
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.91	18.87	18.96			19.8
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.89	18.91	18.91			19.8
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.94	18.89	18.95			19.8
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.90	18.93	18.96			19.8
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.98	18.94	18.88			19.8
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.94	18.98	18.88			19.8
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.93	18.92	18.90			19.8



Part270 n78 PC2 Ant4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1	22.04			
100	PI/2 BPSK	1	137	21.92			22.8
100	PI/2 BPSK	1	271	21.97			22.8
100	PI/2 BPSK	135	0	21.88			22.8
100	PI/2 BPSK	135	69	21.88			22.8
100	PI/2 BPSK	135	138	21.92			22.8
100	PI/2 BPSK	270	0	22.02			
100	QPSK	1	1	22.06			
100	QPSK	1	137	21.91			22.8
100	QPSK	1	271	22.06			
100	QPSK	135	0	21.90			22.8
100	QPSK	135	69	21.97			22.8
100	QPSK	135	138	21.95			22.8
100	QPSK	270	0	21.93			22.8
100	16QAM	1	1	22.01			22.8
100	16QAM	1	1	21.94			22.8
100	256QAM	1	1	21.90			22.8
Channel				649688	650000	650334	MPR
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	22.03	22.00	22.04	22.8
Channel				649334	650000	650668	MPR
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	22.03	21.98	22.02	22.8
Channel				649000	650000	651000	MPR
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	22.05	22.05	22.02	22.8
Channel				648668	650000	651334	MPR
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	21.95	22.05	21.94	22.8
Channel				648334	650000	651668	MPR
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	21.97	21.93	22.01	22.8
Channel				648000	650000	652000	MPR
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	21.99	22.02	22.03	22.8
Channel				647668	650000	652334	MPR
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	21.97	21.99	22.01	22.8
Channel				647300	650000	652900	MPR
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	21.95	22.02	22.03	22.8
Channel				647334	650000	652668	MPR
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	22.04	22.03	22.03	22.8
Channel				647188	650000	652834	MPR
Frequency (MHz)				3707.52	3750	3792.51	
15	QPSK	1	1	21.97	21.94	22.05	22.8
Channel				647000	650000	653000	MPR
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	22.04	22.03	21.95	22.8



Part270 n77 Ant4									
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	20.30	20.31	20.31			
100	PI2 BPSK	1	137	20.26	20.34	20.31			0.0
100	PI2 BPSK	1	271	20.24	20.31	20.30			
100	PI2 BPSK	135	6	20.27	20.31	20.19	21.9	0.0	
100	PI2 BPSK	135	69	20.31	20.23	20.11	21.9	0.0	
100	PI2 BPSK	135	138	20.22	20.12	20.19	21.9	0.0	
100	PI2 BPSK	270	0	20.18	20.21	20.16			
100	QPSK	1	1	20.42	20.46	20.34			
100	QPSK	1	137	20.18	20.22	20.30	21.9	0.0	
100	QPSK	1	271	20.15	20.07	20.15			
100	QPSK	135	0	20.26	20.36	20.09	21.9	0.0	
100	QPSK	135	69	20.33	20.40	20.26	21.9	0.0	
100	QPSK	135	138	20.22	20.12	20.23	21.9	0.0	
100	QPSK	270	0	20.26	20.35	20.13			
100	16QAM	1	1	20.21	20.10	20.18	21.9	0.0	
100	16QAM	1	1	20.16	20.12	20.23	21.9	0.0	
100	256QAM	1	1	20.23	20.12	20.25	21.9	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.32	20.31	20.26	21.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.30	20.40	20.29	21.9	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.29	20.36	20.28	21.9	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.26	20.33	20.20	21.9	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.33	20.36	20.29	21.9	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.29	20.33	20.21	21.9	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.30	20.36	20.23	21.9	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.29	20.36	20.24	21.9	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.28	20.33	20.23	21.9	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.34	20.31	20.25	21.9	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.34	20.40	20.27	21.9	0.0	

Part270 n77 PC2 Ant4									
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	23.10	23.19	23.16			
100	PI2 BPSK	1	137	23.13	23.20	23.07	24.9	0.0	
100	PI2 BPSK	1	271	23.12	23.17	23.20			
100	PI2 BPSK	135	6	23.16	23.19	23.22	24.9	0.0	
100	PI2 BPSK	135	69	23.18	23.17	23.04	24.9	0.0	
100	PI2 BPSK	135	138	23.07	23.20	23.20	24.9	0.0	
100	PI2 BPSK	270	0	23.08	23.18	23.15			
100	QPSK	1	1	23.15	23.26	23.02			
100	QPSK	1	137	23.03	23.14	23.16	24.9	0.0	
100	QPSK	1	271	23.07	23.18	23.16			
100	QPSK	135	0	23.18	23.20	23.10	24.9	0.0	
100	QPSK	135	69	23.05	23.23	23.18	24.9	0.0	
100	QPSK	135	138	23.18	23.14	23.14	24.9	0.0	
100	QPSK	270	0	23.17	23.25	23.05			
100	16QAM	1	1	23.12	23.27	23.17	24.9	0.0	
100	16QAM	1	1	22.83	22.75	22.64	24.4	0.5	
100	256QAM	1	1	20.74	20.63	20.53	22.4	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.05	23.23	23.10	24.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.08	23.23	23.10	24.9	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.10	23.15	23.13	24.9	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.03	23.23	23.12	24.9	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.10	23.21	23.14	24.9	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.04	23.18	23.16	24.9	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.05	23.22	23.12	24.9	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.10	23.16	23.19	24.9	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.03	23.13	23.08	24.9	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.05	23.18	23.12	24.9	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.05	23.21	23.14	24.9	0.0	

Part270 n78 Ant4									
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		20.83				
100	PI2 BPSK	1	137		20.54		21.9	0.0	
100	PI2 BPSK	1	271		20.57				
100	PI2 BPSK	135	0		20.55		21.9	0.0	
100	PI2 BPSK	135	69		20.56		21.9	0.0	
100	PI2 BPSK	135	138		20.80		21.9	0.0	
100	PI2 BPSK	270	0		20.70				
100	QPSK	1	1		20.77				
100	QPSK	1	137		20.50		21.9	0.0	
100	QPSK	1	271		20.60				
100	QPSK	135	0		20.89		21.9	0.0	
100	QPSK	135	69		20.73		21.9	0.0	
100	QPSK	135	138		20.82		21.9	0.0	
100	QPSK	270	0		20.82				
100	16QAM	1	1		20.35		21.9	0.0	
100	16QAM	1	1		20.49		21.9	0.0	
100	256QAM	1	1		20.41		21.9	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.82	20.64	20.67	21.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.82	20.73	20.67	21.9	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.72	20.72	20.66	21.9	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.68	20.62	20.61	21.9	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.64	20.63	20.66	21.9	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.72	20.65	20.71	21.9	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.70	20.71	20.65	21.9	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.83	20.82	20.64	21.9	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.68	20.70	20.64	21.9	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.62	20.70	20.62	21.9	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.70	20.65	20.72	21.9	0.0	



Part270 n78 PC2 Ant4									
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		23.46				
100	PI/2 BPSK	1	137		23.35		24.9	0.0	
100	PI/2 BPSK	1	271		23.35				
100	PI/2 BPSK	135	0		23.43		24.9	0.0	
100	PI/2 BPSK	135	69		23.38		24.9	0.0	
100	PI/2 BPSK	135	138		23.33		24.9	0.0	
100	PI/2 BPSK	270	0		23.42				
100	QPSK	1	1		23.35				
100	QPSK	1	137		23.29		24.9	0.0	
100	QPSK	1	271		23.41				
100	QPSK	135	0		23.40		24.9	0.0	
100	QPSK	135	69		23.48		24.9	0.0	
100	QPSK	135	138		23.32		24.9	0.0	
100	QPSK	270	0		23.38				
100	16QAM	1	1		23.25		24.9	0.0	
100	16QAM	1	1		23.07		24.4	0.5	
100	256QAM	1	1		21.19		22.4	2.5	
Channel				649688	650000	650334		MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		23.42	23.50	23.39	24.9	0.0
Channel				649334	650000	650668		MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		23.47	23.47	23.49	24.9	0.0
Channel				649000	650000	651000		MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		23.39	23.42	23.48	24.9	0.0
Channel				648668	650000	651334		MPR	
Frequency (MHz)				3730.02	3750	3750.01			
60	QPSK	1	1		23.44	23.40	23.47	24.9	0.0
Channel				648334	650000	651668		MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		23.51	23.44	23.41	24.9	0.0
Channel				648000	650000	652000		MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		23.41	23.43	23.50	24.9	0.0
Channel				647668	650000	652334		MPR	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		23.47	23.40	23.50	24.9	0.0
Channel				647300	650000	652500		MPR	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		23.41	23.39	23.47	24.9	0.0
Channel				647334	650000	652668		MPR	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		23.44	23.41	23.45	24.9	0.0
Channel				647188	650000	652834		MPR	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		23.49	23.44	23.42	24.9	0.0
Channel				647000	650000	653000		MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		23.50	23.41	23.45	24.9	0.0



Part270 n77 PC3 Ant4										
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	14.05	14.09	14.13	15.2	0.0		
100	PI2 BPSK	1	137	13.81	13.83	13.70				
100	PI2 BPSK	1	271	13.75	13.78	13.87				
100	PI2 BPSK	135	0	13.88	14.04	13.78	15.2	0.0		
100	PI2 BPSK	135	69	13.78	13.88	13.91	15.2	0.0		
100	PI2 BPSK	135	138	13.87	13.86	13.79	15.2	0.0		
100	PI2 BPSK	270	0	13.82	13.98	14.00				
100	QPSK	1	1	14.10	14.26	14.19				
100	QPSK	1	137	13.88	13.87	13.85	15.2	0.0		
100	QPSK	1	271	13.64	13.92	13.65				
100	QPSK	135	0	14.08	14.08	14.09	15.2	0.0		
100	QPSK	135	69	14.09	14.20	14.03	15.2	0.0		
100	QPSK	135	138	13.90	13.88	13.80	15.2	0.0		
100	QPSK	270	0	14.02	14.05	14.08				
100	16QAM	1	1	13.66	13.81	13.71	15.2	0.0		
100	16QAM	1	1	13.76	13.79	13.77	15.2	0.0		
100	256QAM	1	1	13.80	13.85	13.87	15.2	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	13.98	14.11	14.09	15.2	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	13.98	14.14	14.11	15.2	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	14.00	14.12	14.13	15.2	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	13.97	14.16	14.08	15.2	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	13.97	14.20	14.07	15.2	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	14.04	14.14	14.07	15.2	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	14.01	14.10	14.13	15.2	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	13.97	14.19	14.04	15.2	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	13.97	14.19	14.05	15.2	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	13.98	14.10	14.09	15.2	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	13.99	14.17	14.14	15.2	0.0		

Part270 n77 PC2 Ant4										
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	16.98	17.13	16.90	18.2	0.0		
100	PI2 BPSK	1	137	16.61	16.71	16.67				
100	PI2 BPSK	1	271	16.53	16.74	16.85				
100	PI2 BPSK	135	0	17.09	17.05	16.90	18.2	0.0		
100	PI2 BPSK	135	69	16.61	16.71	16.71	18.2	0.0		
100	PI2 BPSK	135	138	16.59	16.87	16.85	18.2	0.0		
100	PI2 BPSK	270	0	17.09	17.05	16.92				
100	QPSK	1	1	16.86	17.14	16.88				
100	QPSK	1	137	16.53	16.75	16.82	18.2	0.0		
100	QPSK	1	271	17.04	17.07	16.88				
100	QPSK	135	0	16.64	16.77	16.63	18.2	0.0		
100	QPSK	135	69	16.54	17.06	16.86	18.2	0.0		
100	QPSK	135	138	16.99	17.00	16.86	18.2	0.0		
100	QPSK	270	0	16.61	16.78	16.68				
100	16QAM	1	1	17.05	17.06	16.88	18.2	0.0		
100	16QAM	1	1	16.61	16.75	16.69	18.2	0.0		
100	256QAM	1	1	16.52	16.70	16.78	18.2	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	16.80	16.99	16.60	18.2	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	16.57	17.01	16.50	18.2	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	16.57	17.07	16.63	18.2	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	16.60	17.07	16.57	18.2	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	16.58	17.04	16.57	18.2	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	16.54	17.07	16.63	18.2	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	16.55	17.05	16.63	18.2	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	16.55	17.08	16.57	18.2	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	16.54	16.98	16.60	18.2	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	16.57	17.05	16.57	18.2	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	16.57	17.06	16.57	18.2	0.0		

Part270 n78 PC3 Ant4										
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	14.44	14.43	14.44	15.2	0.0		
100	PI2 BPSK	1	137	14.43	14.43	14.47				
100	PI2 BPSK	1	271	14.47	14.47	14.47				
100	PI2 BPSK	135	0	14.33	14.33	14.33	15.2	0.0		
100	PI2 BPSK	135	69	14.48	14.48	14.48	15.2	0.0		
100	PI2 BPSK	135	138	14.45	14.45	14.45	15.2	0.0		
100	PI2 BPSK	270	0	14.35	14.35	14.35				
100	QPSK	1	1	14.53	14.53	14.39				
100	QPSK	1	137	14.36	14.36	14.36	15.2	0.0		
100	QPSK	1	271	14.43	14.43	14.43				
100	QPSK	135	0	14.44	14.44	14.44	15.2	0.0		
100	QPSK	135	69	14.48	14.48	14.48	15.2	0.0		
100	QPSK	135	138	14.39	14.39	14.39	15.2	0.0		
100	QPSK	270	0	14.38	14.38	14.38				
100	16QAM	1	1	14.10	14.10	14.10	15.2	0.0		
100	16QAM	1	1	14.15	14.15	14.15	15.2	0.0		
100	256QAM	1	1	14.20	14.20	14.20	15.2	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	14.43	14.38	14.38	15.2	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	14.44	14.39	14.47	15.2	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	14.42	14.45	14.40	15.2	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	14.48	14.38	14.47	15.2	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	14.38	14.48	14.41	15.2	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	14.44	14.39	14.40	15.2	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	14.43	14.44	14.41	15.2	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	14.47	14.45	14.39	15.2	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	14.45	14.39	14.38	15.2	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	14.40	14.43	14.45	15.2	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	14.38	14.43	14.49	15.2	0.0		



Part270 n78 PC2 Ant4									
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		17.59				
100	PI2 BPSK	1	137		17.40		18.2	0.0	
100	PI2 BPSK	1	271		17.38				
100	PI2 BPSK	135	0		17.58		18.2	0.0	
100	PI2 BPSK	135	69		17.36		18.2	0.0	
100	PI2 BPSK	135	138		17.38		18.2	0.0	
100	PI2 BPSK	270	0		17.58				
100	QPSK	1	1		17.61				
100	QPSK	1	137		17.33		18.2	0.0	
100	QPSK	1	271		17.51				
100	QPSK	135	0		17.30		18.2	0.0	
100	QPSK	135	69		17.35		18.2	0.0	
100	QPSK	135	138		17.22				
100	QPSK	270	0		17.35		18.2	0.0	
100	16QAM	1	1		17.22		18.2	0.0	
100	16QAM	1	1		17.32		18.2	0.0	
100	256QAM	1	1		17.37		18.2	0.0	
Channel				649688	650000	650334		MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		17.54	17.52	17.52	18.2	0.0
Channel				649334	650000	650668		MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		17.50	17.49	17.49	18.2	0.0
Channel				649000	650000	651000		MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		17.48	17.58	17.53	18.2	0.0
Channel				648668	650000	651334		MPR	
Frequency (MHz)				3730.02	3750	3730.01			
60	QPSK	1	1		17.58	17.48	17.49	18.2	0.0
Channel				648334	650000	651668		MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		17.55	17.58	17.54	18.2	0.0
Channel				648000	650000	652000		MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		17.58	17.54	17.54	18.2	0.0
Channel				647668	650000	652334		MPR	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		17.53	17.51	17.57	18.2	0.0
Channel				647300	650000	652500		MPR	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		17.53	17.47	17.55	18.2	0.0
Channel				647334	650000	652668		MPR	
Frequency (MHz)				3710.01	3750	3780.02			
20	QPSK	1	1		17.47	17.47	17.50	18.2	0.0
Channel				647188	650000	652834		MPR	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		17.46	17.52	17.47	18.2	0.0
Channel				647000	650000	653000		MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		17.58	17.51	17.56	18.2	0.0

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				165800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.49	22.59	22.50			
20	PI2 BPSK	1	53	22.73	22.69	22.55	24.0	0.0	
20	PI2 BPSK	1	104	22.58	22.64	22.54			
20	PI2 BPSK	50	0	22.17	22.21	22.16	23.5	0.5	
20	PI2 BPSK	50	28	22.58	22.72	22.62	24.0	0.0	
20	PI2 BPSK	50	56	22.22	22.22	22.13	23.5	0.5	
20	PI2 BPSK	100	0	22.20	22.23	22.07			
20	QPSK	1	1	22.71	22.75	22.62			
20	QPSK	1	53	22.51	22.71	22.59	24.0	0.0	
20	QPSK	1	104	22.48	22.65	22.65			
20	QPSK	50	0	21.63	21.70	21.65	23.0	1.0	
20	QPSK	50	28	22.55	22.73	22.64	24.0	0.0	
20	QPSK	50	56	21.82	21.72	21.66	23.0	1.0	
20	QPSK	100	0	21.56	21.71	21.69			
20	16QAM	1	1	21.17	21.33	21.69	23.0	1.0	
20	64QAM	1	1	19.96	19.93	19.83	21.5	2.5	
20	256QAM	1	1	18.57	18.61	18.44	19.5	4.5	
Channel				165300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.51	22.61	22.54	24.0	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	833.5	844			
10	QPSK	1	1	22.43	22.63	22.57	24.0	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.44	22.69	22.54	24.0	0.0	

Reduced Power Mode for EC14									
n26 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				165800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.58	22.69	22.69			
20	PI2 BPSK	1	53	22.52	22.70	22.69	24.0	0.0	
20	PI2 BPSK	1	104	22.60	22.66	22.47			
20	PI2 BPSK	50	0	22.19	22.26	22.24	23.5	0.5	
20	PI2 BPSK	50	28	22.74	22.78	22.69	24.0	0.0	
20	PI2 BPSK	50	56	22.07	22.25	22.08	23.5	0.5	
20	PI2 BPSK	100	0	22.05	22.25	22.22			
20	QPSK	1	1	22.74	22.80	22.76			
20	QPSK	1	53	22.50	22.71	22.68	24.0	0.0	
20	QPSK	1	104	22.50	22.70	22.49			
20	QPSK	50	0	21.72	21.74	21.75	23.0	1.0	
20	QPSK	50	28	22.66	22.77	22.58	24.0	0.0	
20	QPSK	50	56	21.56	21.73	21.59	23.0	1.0	
20	QPSK	100	0	21.59	21.73	21.65			
20	16QAM	1	1	21.35	21.46	21.47	23.0	1.0	
20	64QAM	1	1	19.80	20.05	20.06	21.5	2.5	
20	256QAM	1	1	18.07	18.88	18.52	19.5	4.5	
Channel				165300	166300	168300			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.46	22.65	22.54	24.0	0.0	
Channel				163800	166300	168800			
Frequency (MHz)				810	831.5	844			
10	QPSK	1	1	22.51	22.69	22.52	24.0	0.0	
Channel				163300	166300	169300			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.48	22.60	22.52	24.0	0.0	

n71 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134500	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	22.83	23.00	22.90			
20	PI2 BPSK	1	53	22.86	23.09	22.96	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.01	22.97			
20	PI2 BPSK	50	0	22.55	22.96	22.55	23.5	0.5	
20	PI2 BPSK	50	28	23.13	23.11	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.57	22.80	22.48	23.5	0.5	
20	PI2 BPSK	100	0	22.38	22.56	22.53			
20	QPSK	1	1	23.08	23.14	23.01			
20	QPSK	1	53	22.94	23.04	22.92	24.0	0.0	
20	QPSK	1	104	22.99	23.01	23.00			
20	QPSK	50	0	21.97	22.05	21.97	23.0	1.0	
20	QPSK	50	28	23.02	23.10	23.08	24.0	0.0	
20	QPSK	50	56	22.10	22.10	21.89	23.0	1.0	
20	QPSK	100	0	22.02	22.06	22.04			
20	16QAM	1	1	21.83	21.75	21.58	23.0	1.0	
20	64QAM	1	1	20.40	20.46	20.39	21.5	2.5	
20	256QAM	1	1	18.98	19.02	18.09	19.5	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.43	22.67	22.57	24.0	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				658	680.5	693			
10	QPSK	1	1	22.43	22.64	22.55	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.52	22.61	22.52	24.0	0.0	

n38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.26	22.33	22.32			
40	PI/2 BPSK	1	53	22.45	22.45	22.45	24.0	0.0	
40	PI/2 BPSK	1	104	22.67	22.73	22.65			
40	PI/2 BPSK	50	0	21.83	21.88	21.84	23.5	0.5	
40	PI/2 BPSK	50	28	22.31	22.49	22.36	24.0	0.0	
40	PI/2 BPSK	50	56	21.94	22.05	22.02			
40	PI/2 BPSK	100	0	21.94	22.01	21.99	23.5	0.5	
40	QPSK	1	1	22.66	22.75	22.63			
40	QPSK	1	53	22.55	22.62	22.53	24.0	0.0	
40	QPSK	1	104	22.53	22.65	22.50			
40	QPSK	50	0	21.24	21.39	21.18	23.0	1.0	
40	QPSK	50	28	22.41	22.47	22.27	24.0	0.0	
40	QPSK	50	56	21.41	21.46	21.27			
40	QPSK	100	0	21.43	21.47	21.37	23.0	1.0	
40	16QAM	1	1	21.07	21.07	21.12	23.0	1.0	
40	64QAM	1	1	19.65	19.64	19.62	21.5	2.5	
40	256QAM	1	1	18.15	18.26	18.22	19.5	4.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.55	22.64	22.55	24.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.55	22.65	22.57	24.0	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.58	22.68	22.55	24.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.54	22.67	22.55	24.0	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.53	22.65	22.56	24.0	0.0	

n41 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.43	22.59	22.58			
100	PI/2 BPSK	1	137	22.52	22.66	22.62	24.0	0.0	
100	PI/2 BPSK	1	271	22.46	22.47	22.33			
100	PI/2 BPSK	135	0	22.26	22.39	22.26	23.5	0.5	
100	PI/2 BPSK	135	69	22.70	22.69	22.68	24.0	0.0	
100	PI/2 BPSK	135	138	22.43	22.50	22.51			
100	PI/2 BPSK	270	0	22.35	22.57	22.48			
100	QPSK	1	1	22.66	22.77	22.55			
100	QPSK	1	137	22.42	22.62	22.54	24.0	0.0	
100	QPSK	1	271	22.45	22.46	22.38			
100	QPSK	135	0	22.26	22.39	22.32	23.0	1.0	
100	QPSK	135	69	22.48	22.68	22.66	24.0	0.0	
100	QPSK	135	138	22.41	22.48	22.44			
100	QPSK	270	0	22.39	22.46	22.37	23.0	1.0	
100	16QAM	1	1	22.24	22.31	22.30	23.0	1.0	
100	64QAM	1	1	21.24	21.20	21.12	21.5	2.5	
100	256QAM	1	1	18.11	18.11	18.10	19.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.44	22.65	22.52	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.51	22.62	22.61	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.48	22.66	22.56	24.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.48	22.64	22.60	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.43	22.64	22.55	24.0	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.45	22.70	22.55	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.48	22.67	22.56	24.0	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.44	22.66	22.58	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.49	22.67	22.54	24.0	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.52	22.67	22.55	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.44	22.62	22.56	24.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.42	22.67	22.58	24.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.49	22.68	22.56	24.0	0.0	



n2 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	22.01	22.09	21.96			
40	PI2 BPSK	1	108	21.89	22.03	21.82	23.0	0.0	
40	PI2 BPSK	1	214	21.91	22.02	22.02			
40	PI2 BPSK	108	0	21.82	21.71	21.72	22.5	0.5	
40	PI2 BPSK	108	54	22.12	22.12	22.02	23.0	0.0	
40	PI2 BPSK	108	108	21.51	21.65	21.60	22.5	0.5	
40	PI2 BPSK	216	0	21.66	21.65	21.64			
40	QPSK	1	1	22.12	22.16	22.09			
40	QPSK	1	108	21.94	22.00	21.90	23.0	0.0	
40	QPSK	1	214	21.98	22.03	21.98			
40	QPSK	108	0	20.97	21.04	21.00	22.0	1.0	
40	QPSK	108	54	22.13	22.14	22.04	23.0	0.0	
40	QPSK	108	108	21.11	21.11	21.04	22.0	1.0	
40	QPSK	216	0	20.93	21.05	21.11			
40	16QAM	1	1	20.78	20.84	20.68	22.0	1.0	
40	64QAM	1	1	19.25	19.39	19.25	20.5	2.5	
40	256QAM	1	1	17.78	17.89	17.84	18.5	4.5	
Channel									
Frequency (MHz)				1897.5	1880	1892.5			
35	QPSK	1	1	22.06	22.05	21.98	0.0	0.0	
Channel									
Frequency (MHz)				373000	376000	376000			
30	QPSK	1	1	22.07	22.08	21.97	0.0	0.0	
Channel									
Frequency (MHz)				372600	376000	376500			
25	QPSK	1	1	22.04	22.10	21.98	23.0	0.0	
Channel									
Frequency (MHz)				372000	378000	380000			
20	QPSK	1	1	22.07	22.07	22.01	23.0	0.0	
Channel									
Frequency (MHz)				1897.5	1880	1892.5			
15	QPSK	1	1	22.02	22.04	22.02	23.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	22.04	22.05	22.01	18.0	2.5	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	22.05	22.08	22.03	14.0	2.5	

n5 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166800	167300	167600			
20	PI2 BPSK	1	1	22.17	22.23	22.18			
20	PI2 BPSK	1	53	22.22	22.34	22.36	24.0	0.0	
20	PI2 BPSK	1	104	22.28	22.29	22.15			
20	PI2 BPSK	50	0	21.80	21.87	21.73	23.5	0.5	
20	PI2 BPSK	50	28	22.29	22.37	22.22	24.0	0.0	
20	PI2 BPSK	50	56	21.83	21.89	21.91	23.5	0.5	
20	PI2 BPSK	100	0	21.78	21.89	21.85			
20	QPSK	1	1	22.30	22.46	22.42			
20	QPSK	1	53	22.16	22.36	22.36	24.0	0.0	
20	QPSK	1	104	22.06	22.29	22.22			
20	QPSK	50	0	21.28	21.37	21.39	23.0	1.0	
20	QPSK	50	28	22.27	22.40	22.24	24.0	0.0	
20	QPSK	50	56	21.40	21.38	21.26	23.0	1.0	
20	QPSK	100	0	21.36	21.39	21.34			
20	16QAM	1	1	21.39	21.44	21.46	23.0	1.0	
20	64QAM	1	1	19.87	19.60	19.72	21.5	2.5	
20	256QAM	1	1	18.31	18.26	18.11	19.5	4.5	
Channel									
Frequency (MHz)				163300	163300	163300			
15	QPSK	1	1	22.20	22.33	22.14	24.0	0.0	
Channel									
Frequency (MHz)				166800	167300	168300			
10	QPSK	1	1	22.16	22.27	22.19	24.0	0.0	
Channel									
Frequency (MHz)				166300	167300	168300			
5	QPSK	1	1	22.15	22.33	22.17	24.0	0.0	

n7 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	21.50	21.53	21.51			
50	PI2 BPSK	1	135	22.03	22.20	22.22	23.0	0.0	
50	PI2 BPSK	1	268	21.95	21.98	21.94			
50	PI2 BPSK	135	0	21.67	21.85	21.61	22.5	0.5	
50	PI2 BPSK	135	68	22.05	22.17	22.18	23.0	0.0	
50	PI2 BPSK	135	135	21.62	21.71	21.72	22.5	0.5	
50	PI2 BPSK	270	0	21.51	21.73	21.50			
50	QPSK	1	1	22.20	22.25	22.18			
50	QPSK	1	135	22.07	22.12	21.91	23.0	0.0	
50	QPSK	1	268	21.94	22.04	22.02			
50	QPSK	135	0	20.96	21.18	21.12	22.0	1.0	
50	QPSK	135	68	22.11	22.22	22.08	23.0	0.0	
50	QPSK	135	135	21.08	21.17	21.02	22.0	1.0	
50	QPSK	270	0	21.13	21.22	21.01			
50	16QAM	1	1	20.76	20.76	20.70	22.0	1.0	
50	64QAM	1	1	19.25	19.32	19.15	20.5	2.5	
50	256QAM	1	1	17.89	17.88	17.79	18.5	4.5	
Channel									
Frequency (MHz)				503000	507000	510000			
40	QPSK	1	1	22.15	22.18	22.14	23.0	0.0	
Channel									
Frequency (MHz)				503000	507000	510000			
35	QPSK	1	1	22.10	22.20	22.15	23.0	0.0	
Channel									
Frequency (MHz)				503000	507000	511000			
30	QPSK	1	1	22.08	22.16	22.07	23.0	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	22.08	22.17	22.14	23.0	0.0	
Channel									
Frequency (MHz)				2515	2535	2555			
20	PI2 BPSK	1	1	22.14	22.13	22.09	23.0	0.0	
Channel									
Frequency (MHz)				507000	507000	512000			
15	QPSK	1	1	22.13	22.19	22.15	23.0	0.0	
Channel									
Frequency (MHz)				507000	507000	513000			
10	QPSK	1	1	22.16	22.14	22.11	23.0	0.0	
Channel									
Frequency (MHz)				505000	507000	510000			
5	QPSK	1	1	22.12	22.21	22.08	23.0	0.0	



n26 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	22.28	22.33	22.28			
20	PI2 BPSK	1	1	22.28	22.33	22.28	24.0	0.0	
20	PI2 BPSK	1	53	22.18	22.30	22.21			
20	PI2 BPSK	1	104	22.35	22.33	22.28			
20	PI2 BPSK	50	0	21.91	21.93	21.82	23.5	0.5	
20	PI2 BPSK	50	28	22.43	22.43	22.29			24.0
20	PI2 BPSK	50	56	21.89	21.93	21.89			23.5
20	PI2 BPSK	100	0	21.82	21.82	21.78			23.5
20	QPSK	1	1	22.43	22.47	22.31			
20	QPSK	1	53	22.35	22.34	22.24			24.0
20	QPSK	1	104	22.21	22.34	22.35			
20	QPSK	50	0	21.42	21.42	21.36	23.0	1.0	
20	QPSK	50	28	22.35	22.41	22.28			24.0
20	QPSK	50	56	21.26	21.41	21.25			23.0
20	QPSK	100	0	21.31	21.40	21.25			23.0
20	16QAM	1	1	21.14	21.11	21.03	23.0	1.0	
20	64QAM	1	1	19.79	19.72	19.73	21.5	2.5	
20	256QAM	1	1	18.25	18.35	18.41	19.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.17	22.36	22.15	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.15	22.30	22.14	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.23	22.30	22.18	24.0	0.0	

n66 Ant1									
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)									
40	PI2 BPSK	1	1	21.98	22.13	22.10			
40	PI2 BPSK	1	1	21.98	22.13	22.10	23.0	0.0	
40	PI2 BPSK	1	108	21.95	22.08	21.90			
40	PI2 BPSK	1	214	21.94	22.04	21.98			
40	PI2 BPSK	108	0	21.54	21.75	21.55	22.5	0.5	
40	PI2 BPSK	108	54	22.00	22.19	22.06			23.0
40	PI2 BPSK	108	108	21.56	21.82	21.43			22.5
40	PI2 BPSK	216	0	21.56	21.63	21.61			22.5
40	QPSK	1	1	22.13	22.21	22.15			
40	QPSK	1	108	22.05	22.11	22.06			23.0
40	QPSK	1	214	22.07	22.06	21.92			
40	QPSK	108	0	21.17	21.22	21.13	22.0	1.0	
40	QPSK	108	54	22.01	22.18	22.16			23.0
40	QPSK	108	108	21.03	21.07	21.06			22.0
40	QPSK	216	0	21.07	21.11	21.05			22.0
40	16QAM	1	1	20.87	20.91	20.73	22.0	1.0	
40	64QAM	1	1	19.46	19.44	19.51	20.5	2.5	
40	256QAM	1	1	17.85	18.01	17.84	18.5	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.08	22.13	22.06	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.15	22.19	22.09	23.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.07	22.13	22.13	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.00	22.10	22.05	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.08	22.14	22.05	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.09	22.16	22.10	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.12	22.20	22.10	23.0	0.0	

n71 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	22.38	22.51	22.50			
20	PI2 BPSK	1	53	22.47	22.60	22.47	24.0	0.0	
20	PI2 BPSK	1	104	22.48	22.51	22.46			
20	PI2 BPSK	50	0	21.96	22.06	21.97	23.5	0.5	
20	PI2 BPSK	50	28	22.82	22.82	22.80			24.0
20	PI2 BPSK	50	56	22.05	22.12	21.92			23.5
20	PI2 BPSK	100	0	22.10	22.07	22.05			23.5
20	QPSK	1	1	22.55	22.62	22.50			
20	QPSK	1	53	22.44	22.59	22.42			24.0
20	QPSK	1	104	22.38	22.50	22.38			
20	QPSK	50	0	21.51	21.54	21.47	23.0	1.0	
20	QPSK	50	28	22.53	22.58	22.51			24.0
20	QPSK	50	56	21.45	21.61	21.53			23.0
20	QPSK	100	0	21.45	21.57	21.44			23.0
20	16QAM	1	1	21.20	21.25	21.08	23.0	1.0	
20	64QAM	1	1	19.91	19.97	19.88	21.5	2.5	
20	256QAM	1	1	18.45	18.42	18.42	19.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.09	22.15	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.14	22.20	22.06	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.08	22.13	22.08	24.0	0.0	

n38 Ant1								
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	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.34	22.43	22.36		
40	PI/2 BPSK	1	53	22.11	22.29	22.30	24.0	0.0
40	PI/2 BPSK	1	104	22.27	22.34	22.25		
40	PI/2 BPSK	50	0	21.70	21.68	21.51	23.5	0.5
40	PI/2 BPSK	50	28	22.14	22.23	22.23	24.0	0.0
40	PI/2 BPSK	50	56	21.61	21.81	21.75		
40	PI/2 BPSK	100	0	21.73	21.79	21.82	23.5	0.5
40	QPSK	1	1	22.45	22.59	22.48		
40	QPSK	1	53	22.12	22.35	22.38	24.0	0.0
40	QPSK	1	104	22.13	22.23	22.04		
40	QPSK	50	0	21.02	21.14	21.09	23.0	1.0
40	QPSK	50	28	22.26	22.45	22.38	24.0	0.0
40	QPSK	50	56	21.22	21.25	21.05		
40	QPSK	100	0	21.28	21.43	21.23	23.0	1.0
40	16QAM	1	1	21.36	21.48	21.31	23.0	1.0
40	64QAM	1	1	20.10	20.05	20.10	21.5	2.5
40	256QAM	1	1	18.02	18.03	18.09	19.5	4.5
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.13	22.15	22.10	24.0	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.08	22.19	22.12	24.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.10	22.22	22.15	24.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.15	22.17	22.13	24.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.13	22.12	22.12	24.0	0.0

n41 Ant1								
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	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.36	23.43	23.41		
100	PI/2 BPSK	1	137	23.28	23.38	23.33	24.0	0.0
100	PI/2 BPSK	1	271	23.29	23.27	23.08		
100	PI/2 BPSK	135	0	23.16	23.21	23.15	23.5	0.5
100	PI/2 BPSK	135	69	23.37	23.41	23.23	24.0	0.0
100	PI/2 BPSK	135	138	23.12	23.28	23.28		
100	PI/2 BPSK	270	0	23.34	23.37	23.35	23.5	0.5
100	QPSK	1	1	23.34	23.45	23.41		
100	QPSK	1	137	23.22	23.36	23.19	24.0	0.0
100	QPSK	1	271	23.15	23.25	23.06		
100	QPSK	135	0	22.08	22.22	22.12	23.0	1.0
100	QPSK	135	69	23.40	23.41	23.21	24.0	0.0
100	QPSK	135	138	22.16	22.24	22.14	23.0	1.0
100	QPSK	270	0	22.16	22.34	22.13	23.0	1.0
100	16QAM	1	1	22.26	22.38	22.35	23.0	1.0
100	64QAM	1	1	20.77	20.92	20.89	21.5	2.5
100	256QAM	1	1	18.97	18.99	18.95	19.5	4.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.23	23.41	23.29	24.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.25	23.34	23.35	24.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.29	23.35	23.37	24.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.21	23.36	23.33	24.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.30	23.37	23.36	24.0	0.0
Channel				503700	518598	533496		
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	23.31	23.34	23.37	24.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.26	23.35	23.31	24.0	0.0
Channel				502704	518598	534498		
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	23.27	23.36	23.36	24.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.23	23.33	23.36	24.0	0.0
Channel				501702	518598	535500		
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	23.28	23.32	23.36	24.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.26	23.36	23.30	24.0	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	23.24	23.34	23.29	24.0	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.25	23.34	23.37	24.0	0.0

n2 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									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.72	22.88	22.79			
40	PI2 BPSK	1	108	22.84	22.87	22.90	24.0	0.0	
40	PI2 BPSK	1	214	22.81	22.82	22.87			
40	PI2 BPSK	108	0	22.39	22.49	22.36	23.5	0.5	
40	PI2 BPSK	108	54	22.84	22.97	22.92	24.0	0.0	
40	PI2 BPSK	108	108	22.46	22.50	22.32	23.5	0.5	
40	PI2 BPSK	216	0	22.52	22.52	22.55			
40	QPSK	1	1	22.95	22.98	22.87			
40	QPSK	1	108	22.70	22.92	22.73	24.0	0.0	
40	QPSK	1	214	22.72	22.93	22.82			
40	QPSK	108	0	21.92	21.95	21.80	23.0	1.0	
40	QPSK	108	54	22.81	22.93	22.74	24.0	0.0	
40	QPSK	108	108	21.86	21.96	21.80	23.0	1.0	
40	QPSK	216	0	21.95	21.95	21.85			
40	16QAM	1	1	21.66	21.64	21.60	23.0	1.0	
40	64QAM	1	1	20.13	20.22	20.07	21.5	2.5	
40	256QAM	1	1	18.80	18.73	18.65	19.5	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.89	22.86	22.84	0.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.85	22.92	22.81	0.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.84	22.90	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.85	22.88	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.83	22.91	22.79	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.82	22.89	22.83	19.0	2.5	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.84	22.85	22.81	19.0	2.5	

n7 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									
Frequency (MHz)									
50	PI2 BPSK	1	1	22.65	22.78	22.70			
50	PI2 BPSK	1	135	23.05	23.03	22.91	24.0	0.0	
50	PI2 BPSK	1	268	22.71	22.82	22.83			
50	PI2 BPSK	135	0	22.48	22.47	22.48	23.5	0.5	
50	PI2 BPSK	135	68	23.01	23.02	22.99	24.0	0.0	
50	PI2 BPSK	135	135	22.50	22.49	22.28	23.5	0.5	
50	PI2 BPSK	270	0	22.41	22.55	22.46			
50	QPSK	1	1	23.04	23.08	23.01			
50	QPSK	1	135	22.95	23.03	22.94	24.0	0.0	
50	QPSK	1	268	22.73	22.85	22.88			
50	QPSK	135	0	21.98	22.03	22.04	23.0	1.0	
50	QPSK	135	68	22.81	23.03	22.89	24.0	0.0	
50	QPSK	135	135	21.94	21.99	21.77	23.0	1.0	
50	QPSK	270	0	22.04	22.06	21.96			
50	16QAM	1	1	21.87	21.61	21.47	23.0	1.0	
50	64QAM	1	1	20.07	20.18	20.17	21.5	2.5	
50	256QAM	1	1	18.75	18.89	18.86	19.5	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.95	23.01	22.97	24.0	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.97	23.01	22.91	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.97	23.01	22.91	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.95	22.98	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.01	22.98	22.91	24.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	22.92	22.98	22.89	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.96	23.04	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.98	23.02	22.91	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.91	22.95	22.97	24.0	0.0	

n66 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									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.87	23.03	22.91			
40	PI2 BPSK	1	108	22.82	22.92	22.74	24.0	0.0	
40	PI2 BPSK	1	214	22.74	22.83	22.66			
40	PI2 BPSK	108	0	22.43	22.54	22.33	23.5	0.5	
40	PI2 BPSK	108	54	22.89	23.03	22.85	24.0	0.0	
40	PI2 BPSK	108	108	22.16	22.35	22.29	23.5	0.5	
40	PI2 BPSK	216	0	22.30	22.47	22.31			
40	QPSK	1	1	23.11	23.15	23.02			
40	QPSK	1	108	22.85	22.96	22.83	24.0	0.0	
40	QPSK	1	214	22.60	22.82	22.80			
40	QPSK	108	0	21.83	22.04	22.05	23.0	1.0	
40	QPSK	108	54	22.93	23.08	23.02	24.0	0.0	
40	QPSK	108	108	21.76	21.84	21.75	23.0	1.0	
40	QPSK	216	0	21.84	21.93	21.89			
40	16QAM	1	1	21.82	21.79	21.83	23.0	1.0	
40	64QAM	1	1	20.22	20.32	20.29	21.5	2.5	
40	256QAM	1	1	18.89	18.93	18.92	19.5	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	23.00	23.05	22.97	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.93	23.03	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.92	23.05	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.99	23.04	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.92	23.05	22.91	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.95	23.04	22.89	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.98	22.97	22.92	24.0	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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.87	22.93	22.91		
40	PI/2 BPSK	1	53	23.03	23.10	23.09	24.0	0.0
40	PI/2 BPSK	1	104	23.02	23.08	23.10		
40	PI/2 BPSK	50	0	22.48	22.50	22.36	23.5	0.5
40	PI/2 BPSK	50	28	23.03	23.07	22.97	24.0	0.0
40	PI/2 BPSK	50	56	22.55	22.66	22.45		
40	PI/2 BPSK	100	0	22.61	22.58	22.37	23.5	0.5
40	QPSK	1	1	22.93	23.12	22.89		
40	QPSK	1	53	22.93	23.06	22.91	24.0	0.0
40	QPSK	1	104	22.90	23.09	23.07		
40	QPSK	50	0	21.98	21.99	21.77	23.0	1.0
40	QPSK	50	28	22.92	23.08	23.06	24.0	0.0
40	QPSK	50	56	21.84	22.04	21.92		
40	QPSK	100	0	21.83	22.02	21.92	23.0	1.0
40	16QAM	1	1	21.53	21.62	21.68	23.0	1.0
40	64QAM	1	1	20.15	20.18	20.21	21.5	2.5
40	256QAM	1	1	18.68	18.79	18.82	19.5	4.5
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.00	23.03	22.97	24.0	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.91	22.98	22.93	24.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.94	22.98	22.94	24.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.94	22.97	22.97	24.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.00	23.04	22.94	24.0	0.0

n41 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	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.99	23.10	23.12		
100	PI/2 BPSK	1	137	22.92	23.12	23.15	24.0	0.0
100	PI/2 BPSK	1	271	23.00	23.08	22.90		
100	PI/2 BPSK	135	0	22.89	22.90	22.80	23.5	0.5
100	PI/2 BPSK	135	69	22.94	23.13	23.10	24.0	0.0
100	PI/2 BPSK	135	138	23.05	23.11	23.13		
100	PI/2 BPSK	270	0	23.09	23.08	23.08		
100	QPSK	1	1	23.09	23.19	23.12		
100	QPSK	1	137	23.11	23.09	23.00	24.0	0.0
100	QPSK	1	271	22.82	23.03	22.85		
100	QPSK	135	0	22.90	22.91	22.79	23.0	1.0
100	QPSK	135	69	23.11	23.15	22.97	24.0	0.0
100	QPSK	135	138	22.01	22.14	22.07		
100	QPSK	270	0	22.19	22.21	22.17	23.0	1.0
100	16QAM	1	1	22.88	22.81	22.75	23.0	1.0
100	64QAM	1	1	20.84	20.73	20.81	21.5	2.5
100	256QAM	1	1	18.70	18.64	18.47	19.5	4.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.97	23.05	22.89	24.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.00	23.00	22.96	24.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.91	22.98	22.95	24.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.91	23.04	22.90	24.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.94	22.99	22.93	24.0	0.0
Channel				503700	518598	533496		
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	22.91	22.96	22.96	24.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.99	23.03	22.97	24.0	0.0
Channel				502704	518598	534498		
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	22.98	23.00	22.95	24.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.92	23.02	22.91	24.0	0.0
Channel				501702	518598	535500		
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	22.92	23.00	22.90	24.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.98	23.03	22.96	24.0	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.92	22.98	22.97	24.0	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.00	23.02	22.91	24.0	0.0

n38 Ant9									
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	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.41	23.38	23.26			
40	PI/2 BPSK	1	53	23.48	23.54	23.54	24.0	0.0	
40	PI/2 BPSK	1	104	23.41	23.60	23.53			
40	PI/2 BPSK	50	0	22.93	22.96	22.91	23.5	0.5	
40	PI/2 BPSK	50	28	23.29	23.51	23.34	24.0	0.0	
40	PI/2 BPSK	50	56	23.11	23.12	23.10			
40	PI/2 BPSK	100	0	22.89	23.02	22.80	23.5	0.5	
40	QPSK	1	1	23.59	23.68	23.64			
40	QPSK	1	53	23.52	23.58	23.61	24.0	0.0	
40	QPSK	1	104	23.55	23.66	23.56			
40	QPSK	50	0	22.31	22.44	22.22	23.0	1.0	
40	QPSK	50	28	23.36	23.52	23.36	24.0	0.0	
40	QPSK	50	56	22.29	22.51	22.32			
40	QPSK	100	0	22.41	22.48	22.29	23.0	1.0	
40	16QAM	1	1	21.98	22.08	22.04	23.0	1.0	
40	64QAM	1	1	20.71	20.66	20.68	21.5	2.5	
40	256QAM	1	1	19.18	19.23	19.10	19.5	4.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.53	23.63	23.60	24.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	23.52	23.58	23.55	24.0	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.48	23.55	23.58	24.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.52	23.56	23.52	24.0	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.49	23.62	23.54	24.0	0.0	

n41 Ant9									
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	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.57	23.67	23.60			
100	PI/2 BPSK	1	137	23.50	23.69	23.62	24.0	0.0	
100	PI/2 BPSK	1	271	23.48	23.59	23.42			
100	PI/2 BPSK	135	0	22.86	23.05	22.83	23.5	0.5	
100	PI/2 BPSK	135	69	23.49	23.67	23.45	24.0	0.0	
100	PI/2 BPSK	135	138	23.16	23.16	22.95			
100	PI/2 BPSK	270	0	23.00	23.21	23.23	23.5	0.5	
100	QPSK	1	1	23.63	23.71	23.69			
100	QPSK	1	137	23.43	23.66	23.58	24.0	0.0	
100	QPSK	1	271	23.34	23.56	23.50			
100	QPSK	135	0	22.59	22.88	22.71	23.0	1.0	
100	QPSK	135	69	23.63	23.85	23.63	24.0	0.0	
100	QPSK	135	138	22.86	22.74	22.83	23.0	1.0	
100	QPSK	270	0	22.55	22.69	22.67	23.0	1.0	
100	16QAM	1	1	22.61	22.58	22.46	23.0	1.0	
100	64QAM	1	1	21.10	21.16	21.06	21.5	2.5	
100	256QAM	1	1	19.18	19.25	19.16	19.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.48	23.58	23.52	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.49	23.58	23.55	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.55	23.65	23.65	24.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.54	23.60	23.59	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.52	23.59	23.59	24.0	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	23.52	23.61	23.60	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.48	23.55	23.51	24.0	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	23.55	23.61	23.52	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.52	23.59	23.60	24.0	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	23.54	23.59	23.60	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.51	23.65	23.60	24.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.56	23.59	23.59	24.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.53	23.62	23.52	24.0	0.0	



Ant7Part270 n77									
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	23.50	23.53	23.50			
100	PI2 BPSK	1	137	23.28	23.46	23.28			
100	PI2 BPSK	1	271	23.00	23.59	23.38			
100	PI2 BPSK	135	0	23.45	23.56	23.41	24.5	0.0	
100	PI2 BPSK	135	69	23.42	23.59	23.40	24.5	0.0	
100	PI2 BPSK	135	138	23.56	23.61	23.42	24.5	0.0	
100	PI2 BPSK	270	0	23.52	23.63	23.58			
100	QPSK	1	1	23.73	23.76	23.81			
100	QPSK	1	137	23.49	23.46	23.25	24.5	0.0	
100	QPSK	1	271	23.53	23.56	23.36			
100	QPSK	135	0	23.49	23.50	23.44	24.5	0.0	
100	QPSK	135	69	23.46	23.67	23.50	24.5	0.0	
100	QPSK	135	138	23.50	23.61	23.51	24.5	0.0	
100	QPSK	270	0	23.40	23.55	23.41	24.5	0.0	
100	16QAM	1	1	23.27	23.34	23.19	24.5	0.0	
100	16QAM	1	1	23.22	23.32	23.22	24.5	0.0	
100	256QAM	1	1	22.43	22.48	22.55	23.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.19	23.20	23.07	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.20	23.21	22.89	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.20	23.13	22.98	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.12	23.22	23.03	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.11	23.19	22.59	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.14	23.20	23.00	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.13	23.13	23.07	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.15	23.15	23.03	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.16	23.21	23.03	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.14	23.15	23.00	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.13	23.20	23.01	24.5	0.0	

Part270 n77 PC2 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									
Frequency (MHz)									
100	PI2 BPSK	1	1	26.42	26.46	26.40			
100	PI2 BPSK	1	137	26.35	26.39	26.34	27.5	0.0	
100	PI2 BPSK	1	271	26.39	26.50	26.40			
100	PI2 BPSK	135	0	25.81	26.01	25.88	27.0	0.5	
100	PI2 BPSK	135	69	26.39	26.49	26.43	27.5	0.0	
100	PI2 BPSK	135	138	25.77	25.99	25.88	27.0	0.5	
100	PI2 BPSK	270	0	25.90	25.98	25.97			
100	QPSK	1	1	26.52	26.58	26.44			
100	QPSK	1	137	26.28	26.37	26.27	27.5	0.0	
100	QPSK	1	271	26.30	26.41	26.37			
100	QPSK	135	0	25.33	25.51	25.43	26.5	1.0	
100	QPSK	135	69	26.45	26.53	26.40	27.5	0.0	
100	QPSK	135	138	25.54	25.55	25.50	26.5	1.0	
100	QPSK	270	0	25.40	25.61	25.58			
100	16QAM	1	1	25.50	25.57	25.51	26.5	1.0	
100	16QAM	1	1	24.07	24.07	24.05	25.0	2.5	
100	256QAM	1	1	22.08	22.08	22.16	23.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.98	26.00	25.84	27.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.95	25.98	25.84	27.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.92	25.96	25.85	27.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.96	26.00	25.88	27.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.89	25.97	25.85	27.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.93	26.02	25.86	27.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.92	26.02	25.80	27.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.94	26.01	25.90	27.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.97	26.05	25.85	27.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.95	26.05	25.90	27.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.90	25.95	25.91	27.5	0.0	

Part270 n78 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									
Frequency (MHz)									
100	PI2 BPSK	1	1		23.97				
100	PI2 BPSK	1	137		23.79		24.5	0.0	
100	PI2 BPSK	1	271		23.78				
100	PI2 BPSK	135	0		23.86		24.5	0.0	
100	PI2 BPSK	135	69		23.91		24.5	0.0	
100	PI2 BPSK	135	138		23.78		24.5	0.0	
100	PI2 BPSK	270	0		23.93				
100	QPSK	1	1		23.96				
100	QPSK	1	137		23.78		24.5	0.0	
100	QPSK	1	271		23.77				
100	QPSK	135	0		23.84		24.5	0.0	
100	QPSK	135	69		23.93		24.5	0.0	
100	QPSK	135	138		23.77		24.5	0.0	
100	QPSK	270	0		23.86		24.5	0.0	
100	16QAM	1	1		23.73		24.5	0.0	
100	16QAM	1	1		23.74		24.5	0.0	
100	256QAM	1	1		22.86		23.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.13	23.22	23.06	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.17	23.15	23.02	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.19	23.22	23.07	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.13	23.16	23.02	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.11	23.13	23.01	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.13	23.15	22.99	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.16	23.16	23.05	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.11	23.13	22.99	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.19	23.15	23.05	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.18	23.22	23.08	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.20	23.20	22.99	24.5	0.0	

Part270 n78 PC2 Ant7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				650000	650000	650000	
Frequency (MHz)				3760	3760	3760	
100	PI/2 BPSK	1	1	26.70			
100	PI/2 BPSK	1	137	26.81			27.5
100	PI/2 BPSK	1	271	26.86			27.0
100	PI/2 BPSK	135	0	26.49			27.5
100	PI/2 BPSK	135	69	26.79			27.0
100	PI/2 BPSK	135	138	26.18			27.0
100	PI/2 BPSK	270	0	26.38			
100	QPSK	1	1	26.83			27.5
100	QPSK	1	137	26.87			
100	QPSK	1	271	26.83			
100	QPSK	135	0	25.98			28.5
100	QPSK	135	69	26.73			27.5
100	QPSK	135	138	25.86			28.5
100	QPSK	270	0	25.88			
100	16QAM	1	1	26.06			28.5
100	16QAM	1	1	24.61			25.0
100	256QAM	1	1	22.41			23.0
Channel				649688	650000	650334	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	25.98	25.98	25.83	27.5
Channel				649334	650000	650668	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	25.91	25.97	25.99	27.5
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	25.95	25.98	25.89	27.5
Channel				648668	650000	651334	
Frequency (MHz)				3730.02	3750	3759.01	
60	QPSK	1	1	25.92	25.99	25.90	27.5
Channel				648334	650000	651668	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	25.90	26.01	25.83	27.5
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	25.90	26.03	25.84	27.5
Channel				647668	650000	652334	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	25.94	26.03	25.90	27.5
Channel				647300	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	25.90	25.99	25.84	27.5
Channel				647334	650000	652668	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	25.98	26.03	25.85	27.5
Channel				647188	650000	652834	
Frequency (MHz)				3707.52	3750	3792.51	
15	QPSK	1	1	25.93	25.99	25.85	27.5
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	25.98	25.98	25.82	27.5



Part270 n77 Ant4									
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	23.54	23.64	23.64			
100	PI2 BPSK	1	137	23.65	23.65	23.43		0.0	
100	PI2 BPSK	1	271	23.51	23.56	23.33			
100	PI2 BPSK	135	6	23.75	23.74	23.73	24.5	0.0	
100	PI2 BPSK	135	69	23.58	23.88	23.51	24.5	0.0	
100	PI2 BPSK	135	138	23.49	23.62	23.63	24.5	0.0	
100	PI2 BPSK	270	0	23.49	23.84	23.63			
100	QPSK	1	1	23.72	23.76	23.66			
100	QPSK	1	137	23.40	23.62	23.65	24.5	0.0	
100	QPSK	1	271	23.58	23.56	23.50			
100	QPSK	135	0	23.49	23.68	23.54	24.5	0.0	
100	QPSK	135	69	23.69	23.74	23.67	24.5	0.0	
100	QPSK	135	138	23.66	23.66	23.44	24.5	0.0	
100	QPSK	270	0	23.46	23.65	23.56			
100	16QAM	1	1	23.27	23.38	23.33	24.5	0.0	
100	16QAM	1	1	23.16	23.33	23.28	24.5	0.0	
100	256QAM	1	1	22.32	22.43	22.48	23.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.12	23.19	23.01	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.11	23.15	22.85	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.16	23.22	23.01	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.13	23.18	22.95	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.19	23.15	22.95	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.15	23.17	22.99	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.10	23.16	23.00	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.16	23.22	22.94	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.09	23.17	23.02	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.18	23.22	23.02	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.13	23.22	22.99	24.5	0.0	

Part270 n77 PC2 Ant4									
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	26.57	26.76	26.70			
100	PI2 BPSK	1	137	26.65	26.74	26.58		27.5	0.0
100	PI2 BPSK	1	271	26.65	26.65	26.53			
100	PI2 BPSK	135	6	26.02	26.19	26.16	27.0	0.5	
100	PI2 BPSK	135	69	26.82	26.80	26.48	27.5	0.0	
100	PI2 BPSK	135	138	26.05	26.08	26.09	27.0	0.5	
100	PI2 BPSK	270	0	25.90	26.10	25.97			
100	QPSK	1	1	26.72	26.84	26.78			
100	QPSK	1	137	26.51	26.68	26.49		27.5	0.0
100	QPSK	1	271	26.32	26.54	26.43			
100	QPSK	135	0	25.61	25.58	25.43	26.5	1.0	
100	QPSK	135	69	26.67	26.79	26.67	27.5	0.0	
100	QPSK	135	138	25.21	25.43	25.45	26.5	1.0	
100	QPSK	270	0	25.53	25.64	25.56			
100	16QAM	1	1	25.55	25.57	25.43	26.5	1.0	
100	16QAM	1	1	23.94	24.05	23.92	25.0	2.5	
100	256QAM	1	1	22.37	22.42	22.34	23.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.99	26.03	25.90	27.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.94	25.97	25.80	27.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.98	25.98	25.82	27.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.97	25.97	25.83	27.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.96	25.95	25.84	27.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.99	25.95	25.90	27.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.99	26.01	25.80	27.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.97	26.02	25.84	27.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.96	26.02	25.84	27.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.98	26.05	25.85	27.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.90	25.97	25.88	27.5	0.0	

Part270 n78 Ant4									
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		24.06				
100	PI2 BPSK	1	137		23.89		24.5	0.0	
100	PI2 BPSK	1	271		23.94				
100	PI2 BPSK	135	0		23.98		24.5	0.0	
100	PI2 BPSK	135	69		23.92		24.5	0.0	
100	PI2 BPSK	135	138		23.84		24.5	0.0	
100	PI2 BPSK	270	0		23.98				
100	QPSK	1	1		24.06				
100	QPSK	1	137		23.94		24.5	0.0	
100	QPSK	1	271		23.88				
100	QPSK	135	0		23.97		24.5	0.0	
100	QPSK	135	69		23.99		24.5	0.0	
100	QPSK	135	138		23.83		24.5	0.0	
100	QPSK	270	0		23.97				
100	16QAM	1	1		23.71		24.5	0.0	
100	16QAM	1	1		23.70		24.5	0.0	
100	256QAM	1	1		22.74		23.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.19	23.20	23.00	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.13	23.16	22.92	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.12	23.18	22.95	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.11	23.23	23.00	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.19	23.17	23.01	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.17	23.14	23.03	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.19	23.23	22.95	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.17	23.14	22.98	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.18	23.22	23.02	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.17	23.15	22.97	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.16	23.22	23.01	24.5	0.0	

Part270 n78 PC2 Ant4								
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				3760	3760	3760		
Frequency (MHz)								
100	PI/2 BPSK	1	1	26.96				
100	PI/2 BPSK	1	137	26.90			27.5	0.0
100	PI/2 BPSK	1	271	26.91				
100	PI/2 BPSK	135	0	26.47			27.0	0.5
100	PI/2 BPSK	135	69	27.00			27.5	0.0
100	PI/2 BPSK	135	138	26.38			27.0	0.5
100	PI/2 BPSK	270	0	26.44				
100	QPSK	1	1	27.03				
100	QPSK	1	137	26.94			27.5	0.0
100	QPSK	1	271	26.96				
100	QPSK	135	0	25.85			28.5	1.0
100	QPSK	135	69	26.96			27.5	0.0
100	QPSK	135	138	25.74			28.5	1.0
100	QPSK	270	0	25.82				
100	16QAM	1	1	25.92			28.5	1.0
100	16QAM	1	1	24.48			25.0	2.5
100	256QAM	1	1	22.51			23.0	4.5
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	25.91	26.04	25.85	27.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	25.98	25.97	25.96	27.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	25.98	26.05	25.84	27.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3750.01		
60	QPSK	1	1	25.95	25.95	25.86	27.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	25.95	26.02	25.91	27.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.97	25.99	25.81	27.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	25.91	26.01	25.91	27.5	0.0
Channel				647300	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	25.98	26.04	25.90	27.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	25.89	26.02	25.89	27.5	0.0
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	25.90	26.03	25.88	27.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	25.98	26.03	25.87	27.5	0.0



**Part270 n77 Ant4**

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)				65000	65000	65000		
				3765	3840	3930		
100	PI2 BPSK	1	1	17.60	17.78	17.81		
100	PI2 BPSK	1	137	17.64	17.69	17.72		0.0
100	PI2 BPSK	1	271	17.56	17.68	17.67		
100	PI2 BPSK	135	0	17.89	17.71	17.58	19.2	0.0
100	PI2 BPSK	135	69	17.74	17.59	17.56	19.2	0.0
100	PI2 BPSK	135	138	17.61	17.53	17.58	19.2	0.0
100	PI2 BPSK	270	0	17.55	17.68	17.58		
100	QPSK	1	1	17.86	17.67	17.78		
100	QPSK	1	137	17.67	17.68	17.77	19.2	0.0
100	QPSK	1	271	17.68	17.55	17.57		
100	QPSK	135	0	17.84	17.66	17.57	19.2	0.0
100	QPSK	135	69	17.63	17.72	17.68	19.2	0.0
100	QPSK	135	138	17.66	17.68	17.55	19.2	0.0
100	QPSK	270	0	17.68	17.73	17.57		
100	16QAM	1	1	17.59	17.54	17.60	19.2	0.0
100	16QAM	1	1	17.55	17.58	17.62	19.2	0.0
100	256QAM	1	1	17.61	17.55	17.63	19.2	0.0
Channel								
Frequency (MHz)				64968	65000	65000		
				3745.02	3840	3935.01		
90	QPSK	1	1	17.75	17.75	17.63	19.2	0.0
Channel								
Frequency (MHz)				649334	65000	65000		
				3740.01	3840	3940.02		
80	QPSK	1	1	17.70	17.77	17.60	19.2	0.0
Channel								
Frequency (MHz)				649000	65000	65000		
				3735	3840	3945		
70	QPSK	1	1	17.70	17.79	17.69	19.2	0.0
Channel								
Frequency (MHz)				648668	65000	65000		
				3730.02	3840	3950.01		
60	QPSK	1	1	17.80	17.85	17.65	19.2	0.0
Channel								
Frequency (MHz)				648334	65000	65000		
				3725.01	3840	3955.02		
50	QPSK	1	1	17.80	17.78	17.67	19.2	0.0
Channel								
Frequency (MHz)				647999	65000	65000		
				3720	3840	3960		
40	QPSK	1	1	17.82	17.74	17.72	19.2	0.0
Channel								
Frequency (MHz)				647668	65000	65000		
				3715.02	3840	3965.01		
30	QPSK	1	1	17.79	17.72	17.73	19.2	0.0
Channel								
Frequency (MHz)				647334	65000	65000		
				3712.5	3840	3970.02		
25	QPSK	1	1	17.80	17.78	17.68	19.2	0.0
Channel								
Frequency (MHz)				647000	65000	65000		
				3710	3840	3975.01		
20	QPSK	1	1	17.74	17.78	17.68	19.2	0.0
Channel								
Frequency (MHz)				646668	65000	65000		
				3707.52	3840	3972.51		
15	QPSK	1	1	17.76	17.74	17.63	19.2	0.0
Channel								
Frequency (MHz)				646334	65000	65000		
				3705	3840	3975		
10	QPSK	1	1	17.78	17.81	17.68	19.2	0.0

**Part270 n77 PC2 Ant4**

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)				65000	65000	65000		
				3765	3840	3930		
100	PI2 BPSK	1	1	20.65	20.78	20.67		
100	PI2 BPSK	1	137	20.74	20.69	20.66	22.2	0.0
100	PI2 BPSK	1	271	20.61	20.68	20.69		
100	PI2 BPSK	135	0	20.65	20.79	20.73	22.2	0.0
100	PI2 BPSK	135	69	20.71	20.63	20.63	22.2	0.0
100	PI2 BPSK	135	138	20.58	20.70	20.60	22.2	0.0
100	PI2 BPSK	270	0	20.64	20.74	20.68		
100	QPSK	1	1	20.65	20.66	20.66		
100	QPSK	1	137	20.62	20.66	20.63	22.2	0.0
100	QPSK	1	271	20.59	20.68	20.68		
100	QPSK	135	0	20.67	20.70	20.61	22.2	0.0
100	QPSK	135	69	20.61	20.78	20.69	22.2	0.0
100	QPSK	135	138	20.56	20.77	20.66	22.2	0.0
100	QPSK	270	0	20.68	20.74	20.56		
100	16QAM	1	1	20.60	20.74	20.62	22.2	0.0
100	16QAM	1	1	20.57	20.67	20.73	22.2	0.0
100	256QAM	1	1	20.70	20.68	20.60	22.2	0.0
Channel								
Frequency (MHz)				64968	65000	65000		
				3745.02	3840	3935.01		
90	QPSK	1	1	20.58	20.72	20.66	22.2	0.0
Channel								
Frequency (MHz)				649334	65000	65000		
				3740.01	3840	3940.02		
80	QPSK	1	1	20.55	20.75	20.65	22.2	0.0
Channel								
Frequency (MHz)				649000	65000	65000		
				3735	3840	3945		
70	QPSK	1	1	20.60	20.74	20.65	22.2	0.0
Channel								
Frequency (MHz)				648668	65000	65000		
				3730.02	3840	3950.01		
60	QPSK	1	1	20.59	20.76	20.61	22.2	0.0
Channel								
Frequency (MHz)				648334	65000	65000		
				3725.01	3840	3955.02		
50	QPSK	1	1	20.58	20.82	20.60	22.2	0.0
Channel								
Frequency (MHz)				647999	65000	65000		
				3720	3840	3960		
40	QPSK	1	1	20.63	20.75	20.63	22.2	0.0
Channel								
Frequency (MHz)				647668	65000	65000		
				3715.02	3840	3965.01		
30	QPSK	1	1	20.57	20.76	20.57	22.2	0.0
Channel								
Frequency (MHz)				647334	65000	65000		
				3712.5	3840	3970.02		
25	QPSK	1	1	20.52	20.81	20.58	22.2	0.0
Channel								
Frequency (MHz)				647000	65000	65000		
				3710	3840	3975.01		
20	QPSK	1	1	20.54	20.81	20.68	22.2	0.0
Channel								
Frequency (MHz)				646668	65000	65000		
				3707.52	3840	3972.51		
15	QPSK	1	1	20.54	20.73	20.69	22.2	0.0
Channel								
Frequency (MHz)				646334	65000	65000		
				3705	3840	3975		
10	QPSK	1	1	20.57	20.75	20.60	22.2	0.0

**Part270 n78 Ant4**

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)				65000	65000	65000		
				3765	3765	3765		
100	PI2 BPSK	1	1		18.02			
100	PI2 BPSK	1	137		17.86		19.2	0.0
100	PI2 BPSK	1	271		18.04			
100	PI2 BPSK	135	0		18.05		19.2	0.0
100	PI2 BPSK	135	69		18.03		19.2	0.0
100	PI2 BPSK	135	138		18.05		19.2	0.0
100	PI2 BPSK	270	0		18.02			
100	QPSK	1	1		18.06			
100	QPSK	1	137		17.90		19.2	0.0
100	QPSK	1	271		17.90			
100	QPSK	135	0		18.08		19.2	0.0
100	QPSK	135	69		18.03		19.2	0.0
100	QPSK	135	138		17.97		19.2	0.0
100	QPSK	270	0		18.08			
100	16QAM	1	1		17.84		19.2	0.0
100	16QAM	1	1		17.88		19.2	0.0
100	256QAM	1	1		17.88		19.2	0.0
Channel								
Frequency (MHz)				64968	65000	65000		
				3745.02	3765	3755.01		
90	QPSK	1	1	17.96	17.97	17.99	19.2	0.0
Channel								
Frequency (MHz)				649334	65000	65000		
				3740.01	3765	3760.02		
80	QPSK	1	1	17.97	17.97	18.03	19.2	0.0
Channel								
Frequency (MHz)				649000	65000	65000		
				3735	3765	3765		
70	QPSK	1	1	18.03	17.99	18.02	19.2	0.0
Channel								
Frequency (MHz)				648668	65000	65000		
				3730.02	3765	3770.01		
60	QPSK	1	1	18.00	18.03	17.98	19.2	0.0
Channel								
Frequency (MHz)				648334	65000	65000		
				3725.01	3765	3775.02		
50	QPSK	1	1	18.02	17.97	17.99	19.2	0.0
Channel								
Frequency (MHz)				647999	65000	65000		
				3720	3765	3780		
40	QPSK	1	1	18.04	18.04	18.00	19.2	0.0
Channel								
Frequency (MHz)				647668	65000	6500		



Part270 n78 PC2 Ant4									
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		20.99				
100	PI/2 BPSK	1	137		20.84		22.2	0.0	
100	PI/2 BPSK	1	271		20.82		22.2	0.0	
100	PI/2 BPSK	135	0		21.00		22.2	0.0	
100	PI/2 BPSK	135	89		20.79		22.2	0.0	
100	PI/2 BPSK	135	138		20.82		22.2	0.0	
100	PI/2 BPSK	270	0		21.00		22.2	0.0	
100	QPSK	1	1		21.03				
100	QPSK	1	137		20.80		22.2	0.0	
100	QPSK	1	271		20.99				
100	QPSK	135	0		20.95		22.2	0.0	
100	QPSK	135	89		20.79		22.2	0.0	
100	QPSK	135	138		20.85		22.2	0.0	
100	QPSK	270	0		20.85		22.2	0.0	
100	16QAM	1	1		20.87		22.2	0.0	
100	16QAM	1	1		20.81		22.2	0.0	
100	256QAM	1	1		20.85		22.2	0.0	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	22.2	0.0	
90	QPSK	1	1		20.90	20.88	20.96	22.2	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	22.2	0.0	
80	QPSK	1	1		20.89	20.87	20.88	22.2	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	22.2	0.0	
70	QPSK	1	1		20.99	20.95	20.89	22.2	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	22.2	0.0	
60	QPSK	1	1		20.96	20.98	20.89	22.2	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	22.2	0.0	
50	QPSK	1	1		20.91	20.91	20.94	22.2	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	22.2	0.0	
40	QPSK	1	1		20.88	20.97	20.94	22.2	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	22.2	0.0	
30	QPSK	1	1		20.89	20.98	20.90	22.2	0.0
Channel				647300	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5	22.2	0.0	
25	QPSK	1	1		20.96	20.95	20.88	22.2	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	22.2	0.0	
20	QPSK	1	1		20.96	20.89	20.94	22.2	0.0
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	22.2	0.0	
15	QPSK	1	1		20.93	20.94	20.91	22.2	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	22.2	0.0	
10	QPSK	1	1		20.89	20.91	20.91	22.2	0.0



Part270 n77 Ant4									
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)				3750	3840	3930			
100	PI2 BPSK	1	1	22.28	22.22	22.22			
100	PI2 BPSK	1	137	22.13	22.21	22.14			0.0
100	PI2 BPSK	1	271	22.22	22.15	22.07			
100	PI2 BPSK	135	0	22.22	22.13	22.10	22.8	0.0	
100	PI2 BPSK	135	69	22.05	22.18	22.15	22.8	0.0	
100	PI2 BPSK	135	138	22.21	22.28	22.26	22.8	0.0	
100	PI2 BPSK	270	0	22.14	22.10	22.23			
100	QPSK	1	1	22.22	22.29	22.21			
100	QPSK	1	137	22.13	22.11	22.08	22.8	0.0	
100	QPSK	1	271	22.28	22.10	22.19			
100	QPSK	135	0	22.10	22.28	22.25	22.8	0.0	
100	QPSK	135	69	22.20	22.27	22.10	22.8	0.0	
100	QPSK	135	138	22.20	22.15	22.12	22.8	0.0	
100	QPSK	270	0	22.19	22.23	22.19			
100	16QAM	1	1	22.28	22.15	22.14	22.8	0.0	
100	16QAM	1	1	22.08	22.14	22.26	22.8	0.0	
100	256QAM	1	1	21.28	21.38	21.24	21.8	1.0	
Channel									
Frequency (MHz)				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Channel				3745.02	3840	3935.01			
90	QPSK	1	1	22.14	22.23	21.99	22.8	0.0	
Channel									
Frequency (MHz)				649334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Channel				3740.01	3840	3940.02			
80	QPSK	1	1	22.09	22.15	22.15	22.8	0.0	
Channel									
Frequency (MHz)				645000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Channel				3735	3840	3945			
70	QPSK	1	1	22.00	22.16	22.11	22.8	0.0	
Channel									
Frequency (MHz)				646668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Channel				3740.02	3840	3950.01			
60	QPSK	1	1	22.14	22.20	22.17	22.8	0.0	
Channel									
Frequency (MHz)				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Channel				3725.01	3840	3955.02			
50	QPSK	1	1	22.01	22.11	22.09	22.8	0.0	
Channel									
Frequency (MHz)				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Channel				3720	3840	3960			
40	QPSK	1	1	22.03	22.12	22.16	22.8	0.0	
Channel									
Frequency (MHz)				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Channel				3715.02	3840	3955.01			
30	QPSK	1	1	22.00	22.19	22.19	22.8	0.0	
Channel									
Frequency (MHz)				647500	650000	654500	Tune-up limit (dBm)	MPR (dB)	
Channel				3712.5	3840	3967.5			
25	QPSK	1	1	22.12	22.13	22.10	22.8	0.0	
Channel									
Frequency (MHz)				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)	
Channel				3710.01	3840	3970.02			
20	QPSK	1	1	22.00	22.22	22.03	22.8	0.0	
Channel									
Frequency (MHz)				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
Channel				3707.52	3840	3972.51			
15	QPSK	1	1	22.18	22.08	22.07	22.8	0.0	
Channel									
Frequency (MHz)				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Channel				3705	3840	3975			
10	QPSK	1	1	22.01	22.17	22.17	22.8	0.0	

Part270 n77 PC2 Ant4									
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)				3750	3840	3930			
100	PI2 BPSK	1	1	24.76	24.70	24.76			
100	PI2 BPSK	1	137	24.74	24.86	24.76			25.8
100	PI2 BPSK	1	271	24.77	24.77	24.80			
100	PI2 BPSK	135	0	24.83	24.85	24.89	25.8	0.0	
100	PI2 BPSK	135	69	24.75	24.88	24.83	25.8	0.0	
100	PI2 BPSK	135	138	24.69	24.70	24.76	25.8	0.0	
100	PI2 BPSK	270	0	24.80	24.85	24.80			
100	QPSK	1	1	24.85	24.87	24.78			
100	QPSK	1	137	24.77	24.83	24.71	25.8	0.0	
100	QPSK	1	271	24.84	24.86	24.73			
100	QPSK	135	0	24.41	24.41	24.30	25.3	0.5	
100	QPSK	135	69	24.83	24.85	24.79	25.8	0.0	
100	QPSK	135	138	24.19	24.22	24.14	25.3	0.5	
100	QPSK	270	0	24.25	24.43	24.39			
100	16QAM	1	1	24.61	24.53	24.55	25.3	0.5	
100	16QAM	1	1	23.01	23.03	22.94	23.8	2.0	
100	256QAM	1	1	21.30	21.27	21.20	21.8	4.0	
Channel									
Frequency (MHz)				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Channel				3745.02	3840	3935.01			
90	QPSK	1	1	24.73	24.73	24.65	25.8	0.0	
Channel									
Frequency (MHz)				649334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Channel				3740.01	3840	3940.02			
80	QPSK	1	1	24.79	24.78	24.52	25.9	0.0	
Channel									
Frequency (MHz)				645000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Channel				3735	3840	3945			
70	QPSK	1	1	24.69	24.66	24.57	25.8	0.0	
Channel									
Frequency (MHz)				646668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Channel				3740.02	3840	3950.01			
60	QPSK	1	1	24.74	24.69	24.64	25.8	0.0	
Channel									
Frequency (MHz)				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Channel				3725.01	3840	3955.02			
50	QPSK	1	1	24.69	24.74	24.53	25.8	0.0	
Channel									
Frequency (MHz)				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Channel				3720	3840	3960			
40	QPSK	1	1	24.64	24.75	24.53	25.8	0.0	
Channel									
Frequency (MHz)				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Channel				3715.02	3840	3955.01			
30	QPSK	1	1	24.71	24.69	24.69	25.9	0.0	
Channel									
Frequency (MHz)				647500	650000	654500	Tune-up limit (dBm)	MPR (dB)	
Channel				3712.5	3840	3967.5			
25	QPSK	1	1	24.68	24.80	24.54	25.8	0.0	
Channel									
Frequency (MHz)				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)	
Channel				3710.01	3840	3970.02			
20	QPSK	1	1	24.67	24.77	24.55	25.8	0.0	
Channel									
Frequency (MHz)				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
Channel				3707.52	3840	3972.51			
15	QPSK	1	1	24.63	24.77	24.60	25.8	0.0	
Channel									
Frequency (MHz)				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Channel				3705	3840	3975			
10	QPSK	1	1	24.69	24.85	24.54	25.8	0.0	

Part270 n78 Ant4									
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)				3750	3750	3750			
100	PI2 BPSK	1	1		22.28				
100	PI2 BPSK	1	137		22.22		22.8	0.0	
100	PI2 BPSK	1	271		22.35				
100	PI2 BPSK	135	0		22.24		22.8	0.0	
100	PI2 BPSK	135	69		22.32		22.8	0.0	
100	PI2 BPSK	135	138		22.28		22.8	0.0	
100	PI2 BPSK	270	0		22.22				
100	QPSK	1	1		22.36				
100	QPSK	1	137		22.26		22.8	0.0	
100	QPSK	1	271		22.35				
100	QPSK	135	0		22.30		22.8	0.0	
100	QPSK	135	69		22.34		22.8	0.0	
100	QPSK	135	138		22.22		22.8	0.0	
100	QPSK	270	0		22.31				
100	16QAM	1	1		22.25		22.8	0.0	
100	16QAM	1	1		22.31		22.8	0.0	
100	256QAM	1	1		21.73		21.8	1.0	
Channel									
Frequency (MHz)				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Channel				3745.02	3750	3755.01			
90	QPSK	1	1	22.23	22.17	22.19	22.8	0.0	
Channel									
Frequency (MHz)				649334	650000	650968	Tune-up limit (dBm)	MPR (dB)	
Channel				3740.01	3750	3760.02			
80	QPSK	1	1	22.29	22.20	22.23	22.8	0.0	
Channel									
Frequency (MHz)				645000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Channel				3735	3750	3765			
70	QPSK	1	1	22.25	22.22	22.22	22.8	0.0	
Channel									
Frequency (MHz)				646668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Channel				3740.02	3750	3770.01			
60	QPSK	1	1	22.19	22.32	22.34	22.8	0.0	
Channel									



Part270 n78 PC2 Ant4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI2 BPSK	1	1	25.40			
100	PI2 BPSK	1	137	25.42			25.8
100	PI2 BPSK	1	271	25.38			25.8
100	PI2 BPSK	135	0	25.44			25.8
100	PI2 BPSK	135	69	25.27			25.8
100	PI2 BPSK	135	138	25.44			25.8
100	PI2 BPSK	270	0	25.30			25.8
100	QPSK	1	1	25.40			
100	QPSK	1	137	25.27			25.8
100	QPSK	1	271	25.44			25.8
100	QPSK	135	0	24.88			25.3
100	QPSK	135	69	25.45			25.8
100	QPSK	135	138	24.79			25.3
100	QPSK	270	0	24.94			25.3
100	16QAM	1	1	24.81			25.3
100	16QAM	1	1	23.43			23.8
100	256QAM	1	1	21.54			21.8
Channel				649688	650000	650334	MPR
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	25.35	25.35	25.46	25.8
Channel				649334	650000	650668	MPR
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	25.35	25.44	25.43	25.8
Channel				649000	650000	651000	MPR
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	25.45	25.28	25.29	25.8
Channel				648668	650000	651334	MPR
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	25.27	25.44	25.37	25.8
Channel				648334	650000	651668	MPR
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	25.42	25.47	25.47	25.8
Channel				648000	650000	652000	MPR
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	25.32	25.32	25.29	25.8
Channel				647668	650000	652334	MPR
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	25.40	25.37	25.32	25.8
Channel				647300	650000	652000	MPR
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	25.38	25.39	25.29	25.8
Channel				647334	650000	652668	MPR
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	25.36	25.36	25.38	25.8
Channel				647188	650000	652834	MPR
Frequency (MHz)				3707.52	3750	3792.51	
15	QPSK	1	1	25.35	25.33	25.35	25.8
Channel				647000	650000	653000	MPR
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	25.43	25.38	25.30	25.8



n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				165800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.49	22.59	22.50			
20	PI2 BPSK	1	53	22.73	22.69	22.55	24.0	0.0	
20	PI2 BPSK	1	104	22.58	22.64	22.54			
20	PI2 BPSK	50	0	22.17	22.21	22.16	23.5	0.5	
20	PI2 BPSK	50	28	22.58	22.72	22.62	24.0	0.0	
20	PI2 BPSK	50	56	22.22	22.22	22.13	23.5	0.5	
20	PI2 BPSK	100	0	22.20	22.23	22.07			
20	QPSK	1	1	22.71	22.75	22.62			
20	QPSK	1	53	22.51	22.71	22.59	24.0	0.0	
20	QPSK	1	104	22.48	22.65	22.65			
20	QPSK	50	0	21.63	21.70	21.65	23.0	1.0	
20	QPSK	50	28	22.55	22.73	22.64	24.0	0.0	
20	QPSK	50	56	21.82	21.72	21.66	23.0	1.0	
20	QPSK	100	0	21.56	21.71	21.69			
20	16QAM	1	1	21.17	21.33	21.18	23.0	1.0	
20	64QAM	1	1	19.96	19.93	19.83	21.5	2.5	
20	256QAM	1	1	18.57	18.61	18.44	19.5	4.5	
Channel				165300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.51	22.61	22.54	24.0	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	833.5	844			
10	QPSK	1	1	22.43	22.63	22.57	24.0	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.44	22.69	22.54	24.0	0.0	

Reduced Power Mode for ECI6									
n26 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.58	22.69	22.69			
20	PI2 BPSK	1	53	22.52	22.70	22.69	24.0	0.0	
20	PI2 BPSK	1	104	22.60	22.66	22.47			
20	PI2 BPSK	50	0	22.19	22.26	22.24	23.5	0.5	
20	PI2 BPSK	50	28	22.74	22.78	22.69	24.0	0.0	
20	PI2 BPSK	50	56	22.07	22.25	22.08	23.5	0.5	
20	PI2 BPSK	100	0	22.05	22.25	22.22			
20	QPSK	1	1	22.74	22.80	22.76			
20	QPSK	1	53	22.50	22.71	22.68	24.0	0.0	
20	QPSK	1	104	22.50	22.70	22.49			
20	QPSK	50	0	21.72	21.74	21.75	23.0	1.0	
20	QPSK	50	28	22.66	22.77	22.58	24.0	0.0	
20	QPSK	50	56	21.56	21.73	21.59	23.0	1.0	
20	QPSK	100	0	21.59	21.73	21.65			
20	16QAM	1	1	21.35	21.46	21.47	23.0	1.0	
20	64QAM	1	1	19.80	20.05	20.06	21.5	2.5	
20	256QAM	1	1	18.07	18.88	18.52	19.5	4.5	
Channel				165300	165300	165300			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.46	22.65	22.54	24.0	0.0	
Channel				163800	166300	168800			
Frequency (MHz)				810	831.5	844			
10	QPSK	1	1	22.51	22.69	22.52	24.0	0.0	
Channel				163300	166300	169300			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.48	22.60	22.52	24.0	0.0	

n71 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134500	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	22.83	23.00	22.90			
20	PI2 BPSK	1	53	22.86	23.09	22.96	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.01	22.97			
20	PI2 BPSK	50	0	22.55	22.96	22.55	23.5	0.5	
20	PI2 BPSK	50	28	23.13	23.11	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.57	22.80	22.48	23.5	0.5	
20	PI2 BPSK	100	0	22.38	22.56	22.53			
20	QPSK	1	1	23.08	23.14	23.01			
20	QPSK	1	53	22.94	23.04	22.92	24.0	0.0	
20	QPSK	1	104	22.99	23.01	23.00			
20	QPSK	50	0	21.97	22.05	21.97	23.0	1.0	
20	QPSK	50	28	23.02	23.10	23.08	24.0	0.0	
20	QPSK	50	56	22.10	22.10	21.89	23.0	1.0	
20	QPSK	100	0	22.02	22.06	22.04			
20	16QAM	1	1	21.83	21.75	21.58	23.0	1.0	
20	64QAM	1	1	20.40	20.46	20.39	21.5	2.5	
20	256QAM	1	1	18.98	19.02	18.09	19.5	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.43	22.67	22.57	24.0	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				667.5	680.5	693			
10	QPSK	1	1	22.43	22.64	22.55	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.52	22.61	22.52	24.0	0.0	

n38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	21.18	21.20	21.14			
40	PI/2 BPSK	1	53	21.02	21.06	21.03	22.8	0.0	
40	PI/2 BPSK	1	104	21.02	21.17	21.04			
40	PI/2 BPSK	50	0	21.17	21.20	21.08	22.8	0.0	
40	PI/2 BPSK	50	28	21.08	21.07	21.00	22.8	0.0	
40	PI/2 BPSK	50	56	21.02	21.17	20.95	22.8	0.0	
40	PI/2 BPSK	100	0	21.17	21.24	21.08			
40	QPSK	1	1	21.05	21.25	21.07			
40	QPSK	1	53	21.02	21.20	20.97	22.8	0.0	
40	QPSK	1	104	21.19	21.20	21.11			
40	QPSK	50	0	21.07	21.10	20.99	22.8	0.0	
40	QPSK	50	28	21.01	21.16	20.96	22.8	0.0	
40	QPSK	50	56	21.12	21.14	21.08			
40	QPSK	100	0	21.07	21.13	21.02	22.8	0.0	
40	16QAM	1	1	21.02	21.12	20.98	22.8	0.0	
40	64QAM	1	1	19.95	19.94	19.96	21.8	1.0	
40	256QAM	1	1	18.15	18.26	18.22	19.8	3.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	21.00	21.18	20.96	22.8	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	20.90	21.20	20.98	22.8	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.98	21.12	21.00	22.8	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.99	21.15	21.02	22.8	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	20.96	21.20	20.99	22.8	0.0	

n41 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.19	21.28	21.11			
100	PI/2 BPSK	1	137	20.87	21.17	21.06	22.8	0.0	
100	PI/2 BPSK	1	271	20.94	20.94	20.90			
100	PI/2 BPSK	135	0	21.16	21.25	21.01	22.8	0.0	
100	PI/2 BPSK	135	69	20.87	21.17	21.02	22.8	0.0	
100	PI/2 BPSK	135	138	20.96	20.91	20.90	22.8	0.0	
100	PI/2 BPSK	270	0	21.12	21.23	21.09			
100	QPSK	1	1	20.93	21.40	21.09			
100	QPSK	1	137	20.99	20.92	20.93	22.8	0.0	
100	QPSK	1	271	21.19	21.30	21.06			
100	QPSK	135	0	20.93	21.10	21.09	22.8	0.0	
100	QPSK	135	69	20.98	21.17	20.91	22.8	0.0	
100	QPSK	135	138	21.14	21.09	21.01	22.8	0.0	
100	QPSK	270	0	20.89	21.16	21.01			
100	16QAM	1	1	20.96	20.93	20.84	22.8	0.0	
100	64QAM	1	1	21.24	21.20	21.12	21.8	1.0	
100	256QAM	1	1	18.11	18.11	18.10	19.8	3.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.82	21.32	20.99	22.8	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	20.84	21.35	20.96	22.8	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	20.85	21.36	21.05	22.8	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.88	21.33	20.97	22.8	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	20.86	21.34	21.01	22.8	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	20.88	21.31	21.04	22.8	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.88	21.31	21.01	22.8	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	20.85	21.33	20.94	22.8	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.85	21.35	20.99	22.8	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	20.89	21.32	20.96	22.8	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.80	21.27	21.03	22.8	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	20.80	21.24	21.05	22.8	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	20.80	21.26	20.95	22.8	0.0	



n2 Ant1									
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)				1870	1880	1890			
40	PI2 BPSK	1	1	18.57	18.68	18.81			
40	PI2 BPSK	1	108	18.36	18.52	18.45	19.7	0.0	
40	PI2 BPSK	1	214	18.52	18.56	18.36			
40	PI2 BPSK	108	0	18.82	18.71	18.59	19.7	0.0	
40	PI2 BPSK	108	54	18.43	18.48	18.40	19.7	0.0	
40	PI2 BPSK	108	108	18.51	18.55	18.39	19.7	0.0	
40	PI2 BPSK	216	0	18.68	18.66	18.55			
40	QPSK	1	1	18.44	18.75	18.45			
40	QPSK	1	108	18.52	18.50	18.35	19.7	0.0	
40	QPSK	1	214	18.55	18.71	18.60			
40	QPSK	108	0	18.41	18.48	18.36	19.7	0.0	
40	QPSK	108	54	18.47	18.68	18.30	19.7	0.0	
40	QPSK	108	108	18.67	18.67	18.58	19.7	0.0	
40	QPSK	216	0	18.56	18.71	18.57			
40	16QAM	1	1	18.38	18.45	18.43	19.7	0.0	
40	64QAM	1	1	18.44	18.59	18.40	19.7	0.0	
40	256QAM	1	1	17.78	17.69	17.84	13.7	1.0	
Channel									
Frequency (MHz)				1897.5	1880	1892.5			
35	QPSK	1	1	18.32	18.63	18.35	0.0	0.0	
Channel									
Frequency (MHz)				373000	376000	379000			
30	QPSK	1	1	18.38	18.66	18.40	0.0	0.0	
Channel									
Frequency (MHz)				372500	376000	379500			
25	QPSK	1	1	18.53	18.61	18.33	19.7	0.0	
Channel									
Frequency (MHz)				372000	376000	380000			
20	QPSK	1	1	18.30	18.70	18.30	11.7	0.0	
Channel									
Frequency (MHz)				371500	376000	380500			
15	QPSK	1	1	18.38	18.69	18.33	19.7	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	18.34	18.71	18.30	19.7	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	18.23	18.60	18.23	19.7	0.0	

n5 Ant1									
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)				166800	167900	167600			
20	PI2 BPSK	1	1	22.17	22.23	22.18			
20	PI2 BPSK	1	53	22.22	22.34	22.36	24.0	0.0	
20	PI2 BPSK	1	104	22.28	22.29	22.15			
20	PI2 BPSK	50	0	21.80	21.87	21.73	23.5	0.5	
20	PI2 BPSK	50	28	22.29	22.37	22.22	24.0	0.0	
20	PI2 BPSK	50	56	21.83	21.89	21.91	23.5	0.5	
20	PI2 BPSK	100	0	21.78	21.89	21.85			
20	QPSK	1	1	22.30	22.46	22.42			
20	QPSK	1	53	22.16	22.36	22.36	24.0	0.0	
20	QPSK	1	104	22.08	22.29	22.22			
20	QPSK	50	0	21.28	21.37	21.38	23.0	1.0	
20	QPSK	50	28	22.27	22.40	22.24	24.0	0.0	
20	QPSK	50	56	21.40	21.38	21.26	23.0	1.0	
20	QPSK	100	0	21.36	21.39	21.34			
20	16QAM	1	1	21.39	21.44	21.46	23.0	1.0	
20	64QAM	1	1	19.87	19.60	19.72	21.5	2.5	
20	256QAM	1	1	18.31	18.26	18.11	13.5	4.5	
Channel									
Frequency (MHz)				163300	167900	163300			
15	QPSK	1	1	22.20	22.33	22.14	24.0	0.0	
Channel									
Frequency (MHz)				166800	167900	168900			
10	QPSK	1	1	22.16	22.27	22.19	24.0	0.0	
Channel									
Frequency (MHz)				166300	167900	169300			
5	QPSK	1	1	22.15	22.33	22.17	24.0	0.0	

n7 Ant1									
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)				505000	507000	506000			
50	PI2 BPSK	1	1	20.69	20.75	20.65			
50	PI2 BPSK	1	135	20.51	20.66	20.39	21.9	0.0	
50	PI2 BPSK	1	268	20.43	20.56	20.53			
50	PI2 BPSK	135	0	20.69	20.71	20.65	21.9	0.0	
50	PI2 BPSK	135	68	20.57	20.66	20.39	21.9	0.0	
50	PI2 BPSK	135	135	20.48	20.53	20.49	21.9	0.0	
50	PI2 BPSK	270	0	20.75	20.78	20.71			
50	QPSK	1	1	20.53	20.79	20.40			
50	QPSK	1	135	20.47	20.53	20.47	21.9	0.0	
50	QPSK	1	268	20.65	20.75	20.71			
50	QPSK	135	0	20.59	20.60	20.40	21.9	0.0	
50	QPSK	135	68	20.42	20.78	20.54	21.9	0.0	
50	QPSK	135	135	20.64	20.77	20.67	21.9	0.0	
50	QPSK	270	0	20.51	20.66	20.43			
50	16QAM	1	1	20.44	20.53	20.48	20.9	1.0	
50	64QAM	1	1	19.25	19.32	19.15	20.9	1.0	
50	256QAM	1	1	17.89	17.88	17.78	18.8	3.0	
Channel									
Frequency (MHz)				503000	507000	503000			
40	QPSK	1	1	20.43	20.71	20.35	21.9	0.0	
Channel									
Frequency (MHz)				505000	507000	505000			
35	QPSK	1	1	20.44	20.70	20.26	21.9	0.0	
Channel									
Frequency (MHz)				503000	507000	510000			
30	QPSK	1	1	20.15	20.35	20.55	21.9	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	20.43	20.64	20.34	21.9	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	20.38	20.70	20.27	21.9	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	20.46	20.70	20.27	21.9	0.0	
Channel									
Frequency (MHz)				501000	507000	513000			
10	QPSK	1	1	20.41	20.71	20.30	21.9	0.0	
Channel									
Frequency (MHz)				500500	507000	513500			
5	QPSK	1	1	20.44	20.75	20.35	21.9	0.0	



n26 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	22.28	22.33	22.28			
20	PI2 BPSK	1	1	22.28	22.33	22.28	24.0	0.0	
20	PI2 BPSK	1	53	22.18	22.30	22.21			
20	PI2 BPSK	1	104	22.35	22.33	22.28			
20	PI2 BPSK	50	0	21.91	21.93	21.82	23.5	0.5	
20	PI2 BPSK	50	28	22.43	22.43	22.29	24.0	0.0	
20	PI2 BPSK	50	56	21.89	21.93	21.89			
20	PI2 BPSK	100	0	21.92	21.92	21.78	23.5	0.5	
20	QPSK	1	1	22.43	22.47	22.31			
20	QPSK	1	53	22.35	22.34	22.24	24.0	0.0	
20	QPSK	1	104	22.21	22.34	22.35			
20	QPSK	50	0	21.42	21.42	21.36	23.0	1.0	
20	QPSK	50	28	22.35	22.41	22.28	24.0	0.0	
20	QPSK	50	56	21.26	21.41	21.25	23.0	1.0	
20	QPSK	100	0	21.31	21.40	21.25			
20	16QAM	1	1	21.14	21.11	21.03	23.0	1.0	
20	64QAM	1	1	19.79	19.72	19.73	21.5	2.5	
20	256QAM	1	1	18.25	18.35	18.41	19.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.17	22.36	22.15	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.15	22.30	22.14	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.23	22.30	22.18	24.0	0.0	

n66 Ant1									
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)									
40	PI2 BPSK	1	1	21.17	21.20	21.13			
40	PI2 BPSK	1	1	21.17	21.20	21.13	22.5	0.0	
40	PI2 BPSK	1	108	21.08	21.12	21.03			
40	PI2 BPSK	1	214	21.04	21.08	20.92			
40	PI2 BPSK	108	0	21.10	21.16	21.14	22.5	0.0	
40	PI2 BPSK	108	54	20.97	21.07	21.10	22.5	0.0	
40	PI2 BPSK	108	108	21.08	21.07	20.94			
40	PI2 BPSK	216	0	21.18	21.25	21.16	22.5	0.0	
40	QPSK	1	1	21.02	21.31	21.02			
40	QPSK	1	108	21.05	21.01	20.95	22.5	0.0	
40	QPSK	1	214	21.11	21.23	21.12			
40	QPSK	108	0	21.05	21.13	21.02	22.5	0.0	
40	QPSK	108	54	21.02	21.25	20.87	22.5	0.0	
40	QPSK	108	108	21.14	21.24	21.18	22.5	0.0	
40	QPSK	216	0	20.97	21.13	21.05			
40	16QAM	1	1	21.13	21.00	20.98	22.5	0.0	
40	64QAM	1	1	19.48	19.44	19.51	21.0	1.5	
40	256QAM	1	1	17.85	18.01	17.84	19.0	3.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	20.98	21.25	20.87	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.95	21.17	20.90	22.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.93	21.27	20.93	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.91	21.10	20.93	22.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.97	21.25	20.88	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.91	21.19	20.89	22.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.93	21.24	20.95	22.5	0.0	

n71 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	22.38	22.51	22.50			
20	PI2 BPSK	1	53	22.47	22.60	22.47	24.0	0.0	
20	PI2 BPSK	1	104	22.48	22.51	22.46			
20	PI2 BPSK	50	0	21.96	22.06	21.97	23.5	0.5	
20	PI2 BPSK	50	28	22.82	22.82	22.80	24.0	0.0	
20	PI2 BPSK	50	56	22.05	22.12	21.92			
20	PI2 BPSK	100	0	22.10	22.07	22.05	23.5	0.5	
20	QPSK	1	1	22.55	22.62	22.50			
20	QPSK	1	53	22.44	22.59	22.42	24.0	0.0	
20	QPSK	1	104	22.38	22.50	22.38			
20	QPSK	50	0	21.51	21.54	21.47	23.0	1.0	
20	QPSK	50	28	22.53	22.58	22.51	24.0	0.0	
20	QPSK	50	56	21.45	21.61	21.53	23.0	1.0	
20	QPSK	100	0	21.45	21.57	21.44			
20	16QAM	1	1	21.20	21.25	21.08	23.0	1.0	
20	64QAM	1	1	19.91	19.97	19.88	21.5	2.5	
20	256QAM	1	1	18.45	18.42	18.42	19.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.09	22.15	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.14	22.20	22.06	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.03	22.13	22.08	24.0	0.0	

n38 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	20.85	20.96	20.93			
40	PI/2 BPSK	1	53	20.88	20.76	20.74	22.7	0.0	
40	PI/2 BPSK	1	104	20.89	20.82	20.90			
40	PI/2 BPSK	50	0	20.80	20.95	20.90	22.7	0.0	
40	PI/2 BPSK	50	28	20.96	20.73	20.81	22.7	0.0	
40	PI/2 BPSK	50	56	20.83	20.86	20.80	22.7	0.0	
40	PI/2 BPSK	100	0	20.90	20.96	20.85			
40	QPSK	1	1	20.97	21.03	20.83	22.7	0.0	
40	QPSK	1	53	20.89	20.95	20.88			
40	QPSK	1	104	20.84	21.00	20.96			
40	QPSK	50	0	20.91	20.73	20.74	22.7	0.0	
40	QPSK	50	28	20.84	20.96	20.82	22.7	0.0	
40	QPSK	50	56	20.89	20.95	20.83	22.7	0.0	
40	QPSK	100	0	20.73	20.74	20.72	22.7	0.0	
40	16QAM	1	1	20.78	20.86	20.71	22.7	0.0	
40	64QAM	1	1	20.50	20.45	20.50	22.2	0.5	
40	256QAM	1	1	18.42	18.43	18.49	20.2	2.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	20.72	20.90	20.76	22.7	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	20.77	20.89	20.74	22.7	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.73	20.92	20.77	22.7	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.71	20.94	20.79	22.7	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	20.74	20.96	20.78	22.7	0.0	

n41 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.39	21.47	21.46			
100	PI/2 BPSK	1	137	21.27	21.36	21.23	22.7	0.0	
100	PI/2 BPSK	1	271	21.17	21.26	21.11			
100	PI/2 BPSK	135	0	21.31	21.49	21.45	22.7	0.0	
100	PI/2 BPSK	135	69	21.27	21.42	21.20	22.7	0.0	
100	PI/2 BPSK	135	138	21.19	21.21	21.09	22.7	0.0	
100	PI/2 BPSK	270	0	21.30	21.50	21.36			
100	QPSK	1	1	21.28	21.53	21.20	22.7	0.0	
100	QPSK	1	137	21.14	21.26	21.04			
100	QPSK	1	271	21.38	21.44	21.36			
100	QPSK	135	0	21.19	21.42	21.21	22.7	0.0	
100	QPSK	135	69	21.16	21.47	21.01	22.7	0.0	
100	QPSK	135	138	21.33	21.44	21.46	22.7	0.0	
100	QPSK	270	0	21.23	21.34	21.20			
100	16QAM	1	1	21.16	21.27	21.11	22.7	0.0	
100	64QAM	1	1	20.77	20.92	20.89	22.2	0.5	
100	256QAM	1	1	18.97	18.99	18.95	20.2	2.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.24	21.46	21.11	22.7	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	21.23	21.46	21.14	22.7	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.22	21.41	21.14	22.7	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	21.17	21.39	21.06	22.7	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.12	21.43	21.04	22.7	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	21.15	21.43	21.08	22.7	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	21.16	21.42	21.16	22.7	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	21.17	21.42	21.09	22.7	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.20	21.48	21.10	22.7	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	21.21	21.43	21.13	22.7	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.23	21.39	21.08	22.7	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	21.15	21.39	21.10	22.7	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	21.17	21.42	21.11	22.7	0.0	

n2 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									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.40	22.46	22.32			
40	PI2 BPSK	1	108	22.18	22.43	22.25			0.0
40	PI2 BPSK	1	214	22.22	22.41	22.36			
40	PI2 BPSK	108	0	22.49	22.53	22.37	23.8	0.0	
40	PI2 BPSK	108	54	22.24	22.41	22.25	23.8	0.0	
40	PI2 BPSK	108	108	22.17	22.46	22.32	23.8	0.0	
40	PI2 BPSK	216	0	22.49	22.44	22.35			
40	QPSK	1	1	22.24	22.54	22.19			
40	QPSK	1	108	22.26	22.42	22.32	23.8	0.0	
40	QPSK	1	214	22.49	22.42	22.32			
40	QPSK	108	0	22.15	22.42	22.25	23.3	0.5	
40	QPSK	108	54	22.18	22.43	22.29	23.8	0.0	
40	QPSK	108	108	21.86	21.96	21.80	23.3	0.5	
40	QPSK	216	0	21.95	21.95	21.85			
40	16QAM	1	1	21.66	21.64	21.60	23.3	0.5	
40	64QAM	1	1	20.13	20.22	20.07	21.8	2.0	
40	256QAM	1	1	18.80	18.73	18.65	19.8	4.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.19	22.45	22.13	0.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.19	22.40	22.14	0.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.16	22.40	22.08	23.8	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.13	22.38	22.08	23.8	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.17	22.40	22.08	23.8	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.14	22.48	22.09	19.8	2.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.11	22.45	22.08	19.8	2.0	

n7 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									
Frequency (MHz)									
50	PI2 BPSK	1	1	21.54	21.80	21.51			
50	PI2 BPSK	1	135	21.48	21.53	21.41			0.0
50	PI2 BPSK	1	268	21.23	21.32	21.13			
50	PI2 BPSK	135	0	21.48	21.80	21.47	22.7	0.0	
50	PI2 BPSK	135	68	21.44	21.54	21.50	22.7	0.0	
50	PI2 BPSK	135	135	21.19	21.40	21.18	22.7	0.0	
50	PI2 BPSK	270	0	21.56	21.56	21.46			
50	QPSK	1	1	21.44	21.81	21.42			
50	QPSK	1	135	21.20	21.37	21.23	22.7	0.0	
50	QPSK	1	268	21.52	21.58	21.53			
50	QPSK	135	0	21.45	21.51	21.50	22.7	0.0	
50	QPSK	135	68	21.22	21.57	21.23	22.7	0.0	
50	QPSK	135	135	21.40	21.50	21.47	22.7	0.0	
50	QPSK	270	0	21.47	21.48	21.38			
50	16QAM	1	1	21.20	21.32	21.16	22.7	0.0	
50	64QAM	1	1	20.07	20.18	20.17	21.7	1.0	
50	256QAM	1	1	18.75	18.69	18.66	19.7	3.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.38	21.55	21.30	22.7	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	21.36	21.56	21.23	22.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.36	21.56	21.23	22.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.36	21.54	21.32	22.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.34	21.49	21.28	22.7	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	21.32	21.54	21.34	22.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.29	21.52	21.37	22.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.31	21.55	21.30	22.7	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.32	21.50	21.37	22.7	0.0	

n66 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									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.08	22.16	21.98			
40	PI2 BPSK	1	108	21.82	21.94	21.88			0.0
40	PI2 BPSK	1	214	21.95	21.99	21.96			
40	PI2 BPSK	108	0	22.14	22.10	22.05	23.8	0.0	
40	PI2 BPSK	108	54	21.85	21.99	21.81	23.8	0.0	
40	PI2 BPSK	108	108	21.90	21.97	21.85	23.8	0.0	
40	PI2 BPSK	216	0	22.12	22.11	21.99			
40	QPSK	1	1	21.88	22.16	21.81			
40	QPSK	1	108	22.08	21.85	21.82	23.8	0.0	
40	QPSK	1	214	22.09	22.15	22.05			
40	QPSK	108	0	21.84	21.97	21.85	23.8	0.0	
40	QPSK	108	54	22.07	22.14	22.01	23.8	0.0	
40	QPSK	108	108	22.13	22.11	22.07	23.8	0.0	
40	QPSK	216	0	21.82	21.98	21.87			
40	16QAM	1	1	21.86	21.91	21.94	23.8	0.0	
40	64QAM	1	1	20.74	20.32	20.62	22.3	1.5	
40	256QAM	1	1	18.89	18.93	18.92	20.3	3.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	21.79	22.06	21.71	23.8	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.85	22.03	21.80	23.8	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.81	22.09	21.92	23.8	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.97	22.04	21.98	23.8	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.81	22.12	21.84	23.8	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.84	22.07	21.87	23.8	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.97	22.06	21.94	23.8	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				519004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	20.42	20.58	20.40		
40	PI/2 BPSK	1	53	20.37	20.56	20.41	22.2	0.0
40	PI/2 BPSK	1	104	20.44	20.54	20.57		
40	PI/2 BPSK	50	0	20.40	20.58	20.37	22.2	0.0
40	PI/2 BPSK	50	28	20.39	20.60	20.37	22.2	0.0
40	PI/2 BPSK	50	56	20.37	20.62	20.61	22.2	0.0
40	PI/2 BPSK	100	0	20.45	20.57	20.38		
40	QPSK	1	1	20.38	20.64	20.45		
40	QPSK	1	53	20.39	20.63	20.55	22.2	0.0
40	QPSK	1	104	20.43	20.60	20.35		
40	QPSK	50	0	20.41	20.53	20.40	22.2	0.0
40	QPSK	50	28	20.36	20.58	20.56	22.2	0.0
40	QPSK	50	56	20.44	20.56	20.41		
40	QPSK	100	0	20.45	20.61	20.47	22.2	0.0
40	16QAM	1	1	20.36	20.54	20.56	22.2	0.0
40	64QAM	1	1	20.35	20.41	20.36	22.2	0.0
40	256QAM	1	1	18.68	18.79	18.82	20.2	2.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	20.24	20.49	20.34	22.2	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	20.24	20.50	20.38	22.2	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	20.31	20.51	20.36	22.2	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	20.23	20.60	20.35	22.2	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	20.31	20.56	20.36	22.2	0.0

n41 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	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.58	20.89	20.60		
100	PI/2 BPSK	1	137	20.57	20.69	20.48	22.2	0.0
100	PI/2 BPSK	1	271	20.37	20.57	20.36		
100	PI/2 BPSK	135	0	20.64	20.70	20.67	22.2	0.0
100	PI/2 BPSK	135	69	20.58	20.62	20.50	22.2	0.0
100	PI/2 BPSK	135	138	20.33	20.50	20.39		
100	PI/2 BPSK	270	0	20.53	20.73	20.62	22.2	0.0
100	QPSK	1	1	20.56	20.77	20.45		
100	QPSK	1	137	20.29	20.54	20.40	22.2	0.0
100	QPSK	1	271	20.65	20.80	20.60		
100	QPSK	135	0	20.57	20.63	20.47	22.2	0.0
100	QPSK	135	69	20.36	20.85	20.34	22.2	0.0
100	QPSK	135	138	20.60	20.62	20.62	22.2	0.0
100	QPSK	270	0	20.60	20.63	20.53		
100	16QAM	1	1	20.35	20.53	20.40	22.2	0.0
100	64QAM	1	1	20.64	20.73	20.61	22.2	0.0
100	256QAM	1	1	18.70	18.84	18.47	20.2	2.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.40	20.64	20.41	22.2	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.40	20.68	20.32	22.2	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.48	20.70	20.35	22.2	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.50	20.67	20.38	22.2	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.47	20.66	20.40	22.2	0.0
Channel				503700	518598	533496		
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	20.48	20.70	20.37	22.2	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.40	20.66	20.39	22.2	0.0
Channel				502704	518598	534498		
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	20.44	20.71	20.34	22.2	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.47	20.67	20.32	22.2	0.0
Channel				501702	518598	535500		
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	20.43	20.61	20.38	22.2	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.51	20.62	20.33	22.2	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	20.41	20.66	20.33	22.2	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	20.46	20.62	20.30	22.2	0.0

n38 Ant9									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	18.06	18.21	18.18			
40	PI/2 BPSK	1	53	18.06	18.14	18.15	19.5	0.0	
40	PI/2 BPSK	1	104	18.10	18.11	18.05			
40	PI/2 BPSK	50	0	18.11	18.16	18.18	19.5	0.0	
40	PI/2 BPSK	50	28	18.08	18.09	18.16	19.5	0.0	
40	PI/2 BPSK	50	56	18.04	18.16	18.11	19.5	0.0	
40	PI/2 BPSK	100	0	18.12	18.23	18.09			
40	QPSK	1	1	17.97	18.26	18.13			
40	QPSK	1	53	18.05	18.13	18.07	19.5	0.0	
40	QPSK	1	104	18.07	18.24	18.09			
40	QPSK	50	0	18.01	18.09	18.11	19.5	0.0	
40	QPSK	50	28	18.07	18.23	18.01	19.5	0.0	
40	QPSK	50	56	18.14	18.18	18.20			
40	QPSK	100	0	18.05	18.12	18.11	19.5	0.0	
40	16QAM	1	1	18.08	18.17	18.16	19.5	0.0	
40	64QAM	1	1	18.01	18.10	18.10	19.5	0.0	
40	256QAM	1	1	17.99	18.11	18.05	19.5	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	17.86	18.11	17.97	19.5	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	17.85	18.10	18.02	19.5	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	17.87	18.16	18.08	19.5	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	17.90	18.17	17.98	19.5	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	17.88	18.21	17.99	19.5	0.0	

n41 Ant9									
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	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.11	18.16	18.22			
100	PI/2 BPSK	1	137	17.99	18.19	18.06	19.5	0.0	
100	PI/2 BPSK	1	271	17.88	18.11	18.03			
100	PI/2 BPSK	135	0	18.09	18.19	18.15	19.5	0.0	
100	PI/2 BPSK	135	69	17.93	18.16	18.02	19.5	0.0	
100	PI/2 BPSK	135	138	17.86	18.08	18.04	19.5	0.0	
100	PI/2 BPSK	270	0	18.12	18.25	18.19			
100	QPSK	1	1	17.99	18.34	18.07			
100	QPSK	1	137	17.95	18.01	18.06	19.5	0.0	
100	QPSK	1	271	18.15	18.26	18.19			
100	QPSK	135	0	17.98	18.14	18.03	19.5	0.0	
100	QPSK	135	69	17.89	18.29	17.97	19.5	0.0	
100	QPSK	135	138	18.12	18.24	18.21			
100	QPSK	270	0	17.91	18.18	18.10	19.5	0.0	
100	16QAM	1	1	18.16	18.18	18.25	19.5	0.0	
100	64QAM	1	1	17.87	18.20	18.05	19.5	0.0	
100	256QAM	1	1	17.89	18.05	17.95	19.5	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.90	18.21	17.97	19.5	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.95	18.21	18.00	19.5	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	17.90	18.26	18.02	19.5	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	17.86	18.20	17.98	19.5	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.89	18.22	18.02	19.5	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	17.91	18.19	17.95	19.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.86	18.22	17.94	19.5	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	17.84	18.23	17.85	19.5	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.88	18.23	18.02	19.5	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	17.84	18.21	17.96	19.5	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.84	18.21	17.95	19.5	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	17.86	18.29	17.93	19.5	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	17.88	18.21	17.92	19.5	0.0	



Part270 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									
Frequency (MHz)									
100	PI2 BPSK	1	1	18.05	18.03	17.94			
100	PI2 BPSK	1	137	17.76	17.94	17.75			0.0
100	PI2 BPSK	1	271	18.10	18.04	17.83			
100	PI2 BPSK	135	6	17.90	18.04	17.94	19.0	0.0	
100	PI2 BPSK	135	69	17.95	18.06	17.86	19.0	0.0	
100	PI2 BPSK	135	138	18.07	18.13	17.94	19.0	0.0	
100	PI2 BPSK	270	0	17.99	18.16	18.02			
100	QPSK	1	1	18.27	18.28	18.05			
100	QPSK	1	137	17.95	18.01	17.69	19.0	0.0	
100	QPSK	1	271	18.00	18.07	17.81			
100	QPSK	135	0	17.96	17.97	17.98	19.0	0.0	
100	QPSK	135	69	17.98	18.20	18.00	19.0	0.0	
100	QPSK	135	138	18.05	18.09	18.03	19.0	0.0	
100	QPSK	270	0	17.86	18.05	17.69			
100	16QAM	1	1	17.79	17.81	17.72	19.0	0.0	
100	16QAM	1	1	17.67	17.84	17.80	19.0	0.0	
100	256QAM	1	1	17.72	17.79	17.67	19.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.17	18.18	17.91	19.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.16	18.16	17.82	19.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.12	18.17	17.89	19.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.15	18.23	18.00	19.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.14	18.13	17.83	19.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.14	18.12	17.92	19.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.18	18.13	17.89	19.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.19	18.19	17.96	19.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.17	18.14	17.95	19.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.16	18.19	17.82	19.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.21	18.15	17.91	19.0	0.0	

Part270 n77 PC2 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									
Frequency (MHz)									
100	PI2 BPSK	1	1	21.08	21.02	20.99			
100	PI2 BPSK	1	137	20.81	20.85	20.72	22.0	0.0	
100	PI2 BPSK	1	271	20.98	21.04	20.93			
100	PI2 BPSK	135	6	20.78	20.88	20.78	22.0	0.0	
100	PI2 BPSK	135	69	21.01	21.12	20.97	22.0	0.0	
100	PI2 BPSK	135	138	20.75	20.93	20.81	22.0	0.0	
100	PI2 BPSK	270	0	21.00	21.04	20.93			
100	QPSK	1	1	20.85	21.17	20.81			
100	QPSK	1	137	21.01	21.13	20.89	22.0	0.0	
100	QPSK	1	271	20.85	20.90	20.73			
100	QPSK	135	0	21.06	21.14	20.98	22.0	0.0	
100	QPSK	135	69	20.77	21.15	20.81	22.0	0.0	
100	QPSK	135	138	21.07	21.12	20.97	22.0	0.0	
100	QPSK	270	0	21.07	21.10	20.99			
100	16QAM	1	1	20.98	21.09	20.89	22.0	0.0	
100	16QAM	1	1	20.82	20.87	20.75	22.0	0.0	
100	256QAM	1	1	20.58	20.58	20.66	21.5	0.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.76	21.04	20.67	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.80	21.10	20.65	22.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.78	21.03	20.68	22.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.74	21.06	20.75	22.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.79	21.05	20.65	22.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.74	21.03	20.78	22.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.72	21.02	20.65	22.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.80	21.01	20.65	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.75	21.10	20.68	22.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.72	21.13	20.69	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.69	21.02	20.72	22.0	0.0	

Part270 n78 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									
Frequency (MHz)									
100	PI2 BPSK	1	1		18.46				
100	PI2 BPSK	1	137		18.32		19.0	0.0	
100	PI2 BPSK	1	271		18.24				
100	PI2 BPSK	135	0		18.37		19.0	0.0	
100	PI2 BPSK	135	69		18.44		19.0	0.0	
100	PI2 BPSK	135	138		18.31		19.0	0.0	
100	PI2 BPSK	270	0		18.45				
100	QPSK	1	1		18.47				
100	QPSK	1	137		18.25		19.0	0.0	
100	QPSK	1	271		18.23				
100	QPSK	135	0		18.31		19.0	0.0	
100	QPSK	135	69		18.39		19.0	0.0	
100	QPSK	135	138		18.22		19.0	0.0	
100	QPSK	270	0		18.36				
100	16QAM	1	1		18.21		19.0	0.0	
100	16QAM	1	1		18.19		19.0	0.0	
100	256QAM	1	1		18.25		19.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.34	18.36	18.34	19.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.41	18.38	18.40	19.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.34	18.36	18.36	19.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.32	18.37	18.35	19.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.31	18.41	18.34	19.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.37	18.37	18.32	19.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.33	18.39	18.33	19.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.37	18.33	18.38	19.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.34	18.39	18.40	19.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.41	18.34	18.38	19.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.38	18.43	18.32	19.0	0.0	

Part270 n78 PC2 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	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.31			
100	PI/2 BPSK	1	137		21.13		22.0	0.0
100	PI/2 BPSK	1	271		21.10		22.0	0.0
100	PI/2 BPSK	135	0		21.27		22.0	0.0
100	PI/2 BPSK	135	69		21.14		22.0	0.0
100	PI/2 BPSK	135	138		21.09		22.0	0.0
100	PI/2 BPSK	270	0		21.29			
100	QPSK	1	1		21.41			
100	QPSK	1	137		21.11		22.0	0.0
100	QPSK	1	271		21.28			
100	QPSK	135	0		21.16		22.0	0.0
100	QPSK	135	69		21.38		22.0	0.0
100	QPSK	135	138		21.36		22.0	0.0
100	QPSK	270	0		21.38		22.0	0.0
100	16QAM	1	1		21.14		22.0	0.0
100	16QAM	1	1		21.11		22.0	0.0
100	256QAM	1	1		20.91		21.5	0.5
Channel				649688	650000	650334		MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.34	21.25	21.29	22.0	0.0
Channel				649334	650000	650668		MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.30	21.27	21.36	22.0	0.0
Channel				649000	650000	651000		MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.29	21.28	21.32	22.0	0.0
Channel				648668	650000	651334		MPR (dB)
Frequency (MHz)				3730.02	3750	3730.01		
60	QPSK	1	1	21.25	21.29	21.31	22.0	0.0
Channel				648334	650000	651668		MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.28	21.34	21.26	22.0	0.0
Channel				648000	650000	652000		MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.28	21.29	21.25	22.0	0.0
Channel				647668	650000	652334		MPR (dB)
Frequency (MHz)				3715.02	3750	3745.01		
30	QPSK	1	1	21.32	21.29	21.33	22.0	0.0
Channel				647300	650000	652500		MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	21.27	21.32	21.36	22.0	0.0
Channel				647334	650000	652668		MPR (dB)
Frequency (MHz)				3710.01	3750	3780.02		
20	QPSK	1	1	21.37	21.33	21.32	22.0	0.0
Channel				647188	650000	652834		MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	21.32	21.38	21.30	22.0	0.0
Channel				647000	650000	653000		MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	21.38	21.29	21.27	22.0	0.0



Part270 n77 Ant4										
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	23.54	23.64	23.62				
100	PI2 BPSK	1	137	23.65	23.65	23.43		0.0		
100	PI2 BPSK	1	271	23.51	23.56	23.33				
100	PI2 BPSK	135	6	23.75	23.74	23.73	24.5	0.0		
100	PI2 BPSK	135	69	23.58	23.88	23.51	24.5	0.0		
100	PI2 BPSK	135	138	23.49	23.62	23.63	24.5	0.0		
100	PI2 BPSK	270	0	23.49	23.84	23.63				
100	QPSK	1	1	23.72	23.76	23.66				
100	QPSK	1	137	23.40	23.62	23.65	24.5	0.0		
100	QPSK	1	271	23.58	23.56	23.50				
100	QPSK	135	0	23.49	23.68	23.54	24.5	0.0		
100	QPSK	135	69	23.69	23.74	23.67	24.5	0.0		
100	QPSK	135	138	23.66	23.66	23.44	24.5	0.0		
100	QPSK	270	0	23.46	23.68	23.56				
100	16QAM	1	1	23.27	23.38	23.33	24.5	0.0		
100	16QAM	1	1	23.16	23.33	23.28	24.5	0.0		
100	256QAM	1	1	22.32	22.43	22.48	23.0	1.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	23.12	23.19	23.01	24.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	23.11	23.15	22.85	24.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	23.16	23.22	23.01	24.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	23.13	23.18	22.95	24.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	23.19	23.15	22.95	24.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	23.15	23.17	22.99	24.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	23.10	23.16	23.00	24.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	23.16	23.22	22.94	24.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	23.09	23.17	23.02	24.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	23.18	23.22	23.02	24.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	23.13	23.22	22.99	24.5	0.0		

Part270 n77 PC2 Ant4										
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	26.57	26.76	26.70				
100	PI2 BPSK	1	137	26.65	26.74	26.58		27.5	0.0	
100	PI2 BPSK	1	271	26.65	26.65	26.53				
100	PI2 BPSK	135	6	26.02	26.19	26.16	27.0	0.5		
100	PI2 BPSK	135	69	26.82	26.80	26.48	27.5	0.0		
100	PI2 BPSK	135	138	26.05	26.08	26.09	27.0	0.5		
100	PI2 BPSK	270	0	25.90	26.10	25.97				
100	QPSK	1	1	26.72	26.84	26.76				
100	QPSK	1	137	26.51	26.68	26.49	27.5	0.0		
100	QPSK	1	271	26.32	26.54	26.43				
100	QPSK	135	0	25.61	25.58	25.43	26.5	1.0		
100	QPSK	135	69	26.67	26.79	26.67	27.5	0.0		
100	QPSK	135	138	25.21	25.43	25.45	26.5	1.0		
100	QPSK	270	0	25.53	25.84	25.55				
100	16QAM	1	1	25.55	25.57	25.43	26.5	1.0		
100	16QAM	1	1	23.94	24.05	23.92	25.0	2.5		
100	256QAM	1	1	22.37	22.42	22.34	23.0	4.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	25.99	26.03	25.90	27.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	25.94	25.97	25.80	27.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	25.98	25.98	25.82	27.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	25.97	25.97	25.83	27.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	25.96	25.95	25.84	27.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	25.99	25.95	25.90	27.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	25.99	26.01	25.80	27.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	25.97	26.02	25.84	27.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	25.96	26.02	25.84	27.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	25.98	26.05	25.85	27.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	25.90	25.97	25.88	27.5	0.0		

Part270 n78 Ant4										
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		24.06					
100	PI2 BPSK	1	137		23.89		24.5	0.0		
100	PI2 BPSK	1	271		23.94					
100	PI2 BPSK	135	0		23.98		24.5	0.0		
100	PI2 BPSK	135	69		23.92		24.5	0.0		
100	PI2 BPSK	135	138		23.84		24.5	0.0		
100	PI2 BPSK	270	0		23.98					
100	QPSK	1	1		24.06					
100	QPSK	1	137		23.94		24.5	0.0		
100	QPSK	1	271		23.88					
100	QPSK	135	0		23.97		24.5	0.0		
100	QPSK	135	69		23.99		24.5	0.0		
100	QPSK	135	138		23.83		24.5	0.0		
100	QPSK	270	0		23.97					
100	16QAM	1	1		23.71		24.5	0.0		
100	16QAM	1	1		23.70		24.5	0.0		
100	256QAM	1	1		22.74		23.0	1.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	23.19	23.20	23.00	24.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	23.13	23.16	22.92	24.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	23.12	23.18	22.95	24.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	23.11	23.23	23.00	24.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	23.19	23.17	23.01	24.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	23.17	23.14	23.03	24.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	23.19	23.23	22.95	24.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	23.17	23.14	22.98	24.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	23.18	23.22	23.02	24.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	23.17	23.15	22.97	24.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	23.16	23.22	23.01	24.5	0.0		



Part270 n78 PC2 Ant4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				650000	650000	650000	
Frequency (MHz)				3760	3760	3760	
100	PI/2 BPSK	1	1	26.98			
100	PI/2 BPSK	1	137	26.90			27.5
100	PI/2 BPSK	1	271	26.91			27.0
100	PI/2 BPSK	135	0	26.47			27.5
100	PI/2 BPSK	135	69	27.00			27.0
100	PI/2 BPSK	135	138	26.38			27.0
100	PI/2 BPSK	270	0	26.44			27.5
100	QPSK	1	1	27.03			27.5
100	QPSK	1	137	26.94			28.5
100	QPSK	1	271	26.96			27.5
100	QPSK	135	0	25.85			28.5
100	QPSK	135	69	26.98			28.5
100	QPSK	135	138	25.74			28.5
100	QPSK	270	0	25.82			28.5
100	16QAM	1	1	25.92			25.0
100	16QAM	1	1	24.48			23.0
100	256QAM	1	1	22.51			4.5
Channel				649688	650000	650334	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	25.91	26.04	25.85	27.5
Channel				649334	650000	650668	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	25.98	25.97	25.98	27.5
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	25.98	26.05	25.84	27.5
Channel				648668	650000	651334	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	25.95	25.95	25.86	27.5
Channel				648334	650000	651668	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	25.95	26.02	25.91	27.5
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	25.97	25.99	25.81	27.5
Channel				647668	650000	652334	
Frequency (MHz)				3715.02	3750	3785.01	
30	QPSK	1	1	25.91	26.01	25.91	27.5
Channel				647300	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	
25	QPSK	1	1	25.98	26.04	25.90	27.5
Channel				647334	650000	652668	
Frequency (MHz)				3710.01	3750	3790.02	
20	QPSK	1	1	25.89	26.02	25.89	27.5
Channel				647188	650000	652834	
Frequency (MHz)				3707.52	3750	3792.51	
15	QPSK	1	1	25.90	26.03	25.88	27.5
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	25.98	26.03	25.87	27.5



Part270 n77 Ant8									
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)				3750	3840	3930			
100	PI2 BPSK	1	1	17.60	17.78	17.91			
100	PI2 BPSK	1	137	17.84	17.89	17.72			0.0
100	PI2 BPSK	1	271	17.56	17.68	17.87			
100	PI2 BPSK	135	0	17.89	17.71	17.58	19.2	0.0	
100	PI2 BPSK	135	69	17.74	17.59	17.56	19.2	0.0	
100	PI2 BPSK	135	138	17.61	17.53	17.58	19.2	0.0	
100	PI2 BPSK	270	0	17.55	17.88	17.58			
100	QPSK	1	1	17.86	17.87	17.78			
100	QPSK	1	137	17.87	17.88	17.77	19.2	0.0	
100	QPSK	1	271	17.68	17.55	17.57			
100	QPSK	135	0	17.84	17.66	17.57	19.2	0.0	
100	QPSK	135	69	17.83	17.72	17.88	19.2	0.0	
100	QPSK	135	138	17.86	17.68	17.85	19.2	0.0	
100	QPSK	270	0	17.88	17.73	17.57			
100	16QAM	1	1	17.59	17.54	17.60	19.2	0.0	
100	16QAM	1	1	17.55	17.58	17.62	19.2	0.0	
100	256QAM	1	1	17.61	17.55	17.63	19.2	0.0	
Channel									
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.75	17.75	17.63	19.2	0.0	
Channel									
Frequency (MHz)				649334	650000	662668			
80	QPSK	1	1	17.70	17.77	17.60	19.2	0.0	
Channel									
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	17.70	17.79	17.69	19.2	0.0	
Channel									
Frequency (MHz)				648668	650000	663334			
60	QPSK	1	1	17.80	17.81	17.65	19.2	0.0	
Channel									
Frequency (MHz)				648334	650000	663668			
50	QPSK	1	1	17.80	17.78	17.67	19.2	0.0	
Channel									
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.82	17.74	17.72	19.2	0.0	
Channel									
Frequency (MHz)				647668	650000	664334			
30	QPSK	1	1	17.79	17.72	17.73	19.2	0.0	
Channel									
Frequency (MHz)				647500	650000	664500			
25	QPSK	1	1	17.80	17.78	17.68	19.2	0.0	
Channel									
Frequency (MHz)				647334	650000	664668			
20	QPSK	1	1	17.74	17.78	17.68	19.2	0.0	
Channel									
Frequency (MHz)				647168	650000	664834			
15	QPSK	1	1	17.76	17.74	17.68	19.2	0.0	
Channel									
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	17.78	17.81	17.68	19.2	0.0	

Part270 n77 PC2 Ant8									
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)				3750	3840	3930			
100	PI2 BPSK	1	1	20.65	20.78	20.87			
100	PI2 BPSK	1	137	20.74	20.89	20.66	22.2	0.0	
100	PI2 BPSK	1	271	20.81	20.88	20.89			
100	PI2 BPSK	135	0	20.85	20.79	20.73	22.2	0.0	
100	PI2 BPSK	135	69	20.71	20.83	20.63	22.2	0.0	
100	PI2 BPSK	135	138	20.58	20.70	20.60	22.2	0.0	
100	PI2 BPSK	270	0	20.84	20.74	20.88			
100	QPSK	1	1	20.85	20.86	20.86			
100	QPSK	1	137	20.82	20.86	20.83	22.2	0.0	
100	QPSK	1	271	20.59	20.88	20.88			
100	QPSK	135	0	20.67	20.70	20.81	22.2	0.0	
100	QPSK	135	69	20.61	20.78	20.89	22.2	0.0	
100	QPSK	135	138	20.56	20.77	20.86	22.2	0.0	
100	QPSK	270	0	20.88	20.74	20.56			
100	16QAM	1	1	20.80	20.74	20.62	22.2	0.0	
100	16QAM	1	1	20.57	20.87	20.73	22.2	0.0	
100	256QAM	1	1	20.70	20.88	20.80	22.2	0.0	
Channel									
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.58	20.72	20.66	22.2	0.0	
Channel									
Frequency (MHz)				649334	650000	662668			
80	QPSK	1	1	20.55	20.75	20.65	22.2	0.0	
Channel									
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.60	20.74	20.65	22.2	0.0	
Channel									
Frequency (MHz)				648668	650000	663334			
60	QPSK	1	1	20.99	20.76	20.61	22.2	0.0	
Channel									
Frequency (MHz)				648334	650000	663668			
50	QPSK	1	1	20.58	20.82	20.60	22.2	0.0	
Channel									
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.53	20.75	20.63	22.2	0.0	
Channel									
Frequency (MHz)				647668	650000	664334			
30	QPSK	1	1	20.57	20.76	20.57	22.2	0.0	
Channel									
Frequency (MHz)				647500	650000	664500			
25	QPSK	1	1	20.52	20.81	20.58	22.2	0.0	
Channel									
Frequency (MHz)				647334	650000	664668			
20	QPSK	1	1	20.54	20.81	20.68	22.2	0.0	
Channel									
Frequency (MHz)				647168	650000	664834			
15	QPSK	1	1	20.54	20.73	20.69	22.2	0.0	
Channel									
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	20.57	20.75	20.60	22.2	0.0	

Part270 n78 Ant8									
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)				3750	3750	3750			
100	PI2 BPSK	1	1		18.02				
100	PI2 BPSK	1	137		17.86		19.2	0.0	
100	PI2 BPSK	1	271		18.04				
100	PI2 BPSK	135	0		18.05		19.2	0.0	
100	PI2 BPSK	135	69		18.03		19.2	0.0	
100	PI2 BPSK	135	138		18.05		19.2	0.0	
100	PI2 BPSK	270	0		18.02				
100	QPSK	1	1		18.06				
100	QPSK	1	137		17.90		19.2	0.0	
100	QPSK	1	271		17.90				
100	QPSK	135	0		18.08		19.2	0.0	
100	QPSK	135	69		18.03		19.2	0.0	
100	QPSK	135	138		17.97		19.2	0.0	
100	QPSK	270	0		18.08				
100	16QAM	1	1		17.84		19.2	0.0	
100	16QAM	1	1		17.88		19.2	0.0	
100	256QAM	1	1		17.88		19.2	0.0	
Channel									
Frequency (MHz)				648668	650000	663334			
90	QPSK	1	1	17.96	17.97	17.99	19.2	0.0	
Channel									
Frequency (MHz)				649334	650000	660968			
80	QPSK	1	1	17.67	17.97	18.03	19.2	0.0	
Channel									
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	18.03	17.99	18.02	19.2	0.0	
Channel									
Frequency (MHz)				648668	650000	661334			
60	QPSK	1	1	18.00	18.03	17.98	19.2	0.0	
Channel									
Frequency (MHz)				648334	650000	661668			
50	QPSK	1	1	18.02	17.97	17.99	19.2	0.0	
Channel									
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.04	18.04	18.00	19.2	0.0	
Channel									
Frequency (MHz)				647668	650000	662334			
30	QPSK	1	1	17.99	17.94	18.00	19.2	0.0	
Channel									
Frequency (MHz)				647500	650000	662500			
25	QPSK	1	1	17.93	18.01	18.00	19.2	0.0	
Channel									
Frequency (MHz)				647334	650000	662668			
20	QPSK	1	1	17.95	17.99	18.01	19.2	0.0	
Channel									
Frequency (MHz)				647168	650000	662834			
15	QPSK	1	1	17.83	18.02	17.88	19.2	0.0	
Channel									
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	17.94	18.01	17.96	19.2	0.0	



Part270 n78 PC2 Ant8									
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		20.99				
100	PI/2 BPSK	1	137		20.84		22.2	0.0	
100	PI/2 BPSK	1	271		20.82		22.2	0.0	
100	PI/2 BPSK	135	0		21.00		22.2	0.0	
100	PI/2 BPSK	135	89		20.79		22.2	0.0	
100	PI/2 BPSK	135	138		20.82		22.2	0.0	
100	PI/2 BPSK	270	0		21.00				
100	QPSK	1	1		21.03				
100	QPSK	1	137		20.80		22.2	0.0	
100	QPSK	1	271		20.99				
100	QPSK	135	0		20.95		22.2	0.0	
100	QPSK	135	89		20.79		22.2	0.0	
100	QPSK	135	138		20.83		22.2	0.0	
100	QPSK	270	0		20.85		22.2	0.0	
100	16QAM	1	1		20.87		22.2	0.0	
100	16QAM	1	1		20.81		22.2	0.0	
100	256QAM	1	1		20.85		22.2	0.0	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	22.2	0.0	
90	QPSK	1	1		20.90	20.88	20.96	22.2	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	22.2	0.0	
80	QPSK	1	1		20.89	20.87	20.88	22.2	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	22.2	0.0	
70	QPSK	1	1		20.99	20.95	20.89	22.2	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	22.2	0.0	
60	QPSK	1	1		20.96	20.98	20.89	22.2	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	22.2	0.0	
50	QPSK	1	1		20.91	20.91	20.94	22.2	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	22.2	0.0	
40	QPSK	1	1		20.88	20.97	20.94	22.2	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	22.2	0.0	
30	QPSK	1	1		20.89	20.88	20.90	22.2	0.0
Channel				647300	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5	22.2	0.0	
25	QPSK	1	1		20.96	20.95	20.88	22.2	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	22.2	0.0	
20	QPSK	1	1		20.96	20.89	20.94	22.2	0.0
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	22.2	0.0	
15	QPSK	1	1		20.93	20.94	20.91	22.2	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	22.2	0.0	
10	QPSK	1	1		20.89	20.91	20.91	22.2	0.0



Part270 n77 Ant10								
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)				3750	3840	3930		
100	PI2 BPSK	1	1	22.28	22.22	22.14		
100	PI2 BPSK	1	137	22.13	22.21	22.14		0.0
100	PI2 BPSK	1	271	22.22	22.15	22.07		
100	PI2 BPSK	135	0	22.22	22.13	22.10	22.8	0.0
100	PI2 BPSK	135	69	22.05	22.18	22.15	22.8	0.0
100	PI2 BPSK	135	138	22.21	22.28	22.26	22.8	0.0
100	PI2 BPSK	270	0	22.14	22.10	22.23		
100	QPSK	1	1	22.22	22.29	22.21		
100	QPSK	1	137	22.13	22.11	22.08	22.8	0.0
100	QPSK	1	271	22.28	22.10	22.19		
100	QPSK	135	0	22.10	22.28	22.25	22.8	0.0
100	QPSK	135	69	22.20	22.27	22.10	22.8	0.0
100	QPSK	135	138	22.20	22.15	22.12	22.8	0.0
100	QPSK	270	0	22.19	22.23	22.19		
100	16QAM	1	1	22.28	22.15	22.14	22.8	0.0
100	16QAM	1	1	22.08	22.14	22.26	22.8	0.0
100	256QAM	1	1	21.26	21.38	21.24	21.8	1.0
Channel								
Frequency (MHz)				64868	65000	66334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.14	22.23	21.99	22.8	0.0
Channel								
Frequency (MHz)				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.09	22.15	22.15	22.8	0.0
Channel								
Frequency (MHz)				645000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.00	22.16	22.11	22.8	0.0
Channel								
Frequency (MHz)				646668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.14	22.20	22.17	22.8	0.0
Channel								
Frequency (MHz)				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.01	22.11	22.09	22.8	0.0
Channel								
Frequency (MHz)				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.03	22.12	22.16	22.8	0.0
Channel								
Frequency (MHz)				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3955.01		
30	QPSK	1	1	22.00	22.19	22.19	22.8	0.0
Channel								
Frequency (MHz)				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	22.12	22.13	22.10	22.8	0.0
Channel								
Frequency (MHz)				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.00	22.22	22.03	22.8	0.0
Channel								
Frequency (MHz)				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	22.18	22.08	22.07	22.8	0.0
Channel								
Frequency (MHz)				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.01	22.17	22.17	22.8	0.0

Part270 n77 PC2 Ant10								
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)				3750	3840	3930		
100	PI2 BPSK	1	1	24.76	24.70	24.76		
100	PI2 BPSK	1	137	24.74	24.86	24.76	25.8	0.0
100	PI2 BPSK	1	271	24.77	24.77	24.80		
100	PI2 BPSK	135	0	24.83	24.85	24.89	25.8	0.0
100	PI2 BPSK	135	69	24.75	24.88	24.83	25.8	0.0
100	PI2 BPSK	135	138	24.69	24.70	24.76	25.8	0.0
100	PI2 BPSK	270	0	24.80	24.85	24.80		
100	QPSK	1	1	24.85	24.87	24.78		
100	QPSK	1	137	24.77	24.83	24.71	25.8	0.0
100	QPSK	1	271	24.84	24.86	24.73		
100	QPSK	135	0	24.41	24.41	24.30	25.3	0.5
100	QPSK	135	69	24.83	24.85	24.79	25.8	0.0
100	QPSK	135	138	24.19	24.22	24.14	25.3	0.5
100	QPSK	270	0	24.25	24.43	24.39		
100	16QAM	1	1	24.61	24.53	24.55	25.3	0.5
100	16QAM	1	1	23.01	23.03	22.94	23.8	2.0
100	256QAM	1	1	21.30	21.27	21.20	21.8	4.0
Channel								
Frequency (MHz)				645668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.73	24.73	24.65	25.8	0.0
Channel								
Frequency (MHz)				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	24.79	24.78	24.52	25.9	0.0
Channel								
Frequency (MHz)				645000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	24.69	24.66	24.57	25.8	0.0
Channel								
Frequency (MHz)				646668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	24.74	24.69	24.64	25.8	0.0
Channel								
Frequency (MHz)				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	24.69	24.74	24.53	25.8	0.0
Channel								
Frequency (MHz)				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	24.64	24.75	24.53	25.8	0.0
Channel								
Frequency (MHz)				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3955.01		
30	QPSK	1	1	24.71	24.69	24.60	25.9	0.0
Channel								
Frequency (MHz)				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	24.88	24.80	24.54	25.8	0.0
Channel								
Frequency (MHz)				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	24.67	24.77	24.55	25.8	0.0
Channel								
Frequency (MHz)				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	24.63	24.77	24.60	25.8	0.0
Channel								
Frequency (MHz)				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	24.69	24.85	24.54	25.8	0.0

Part270 n78 Ant10								
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)				3750	3750	3750		
100	PI2 BPSK	1	1		22.28			
100	PI2 BPSK	1	137		22.22		22.8	0.0
100	PI2 BPSK	1	271		22.35			
100	PI2 BPSK	135	0		22.24		22.8	0.0
100	PI2 BPSK	135	69		22.32		22.8	0.0
100	PI2 BPSK	135	138		22.28		22.8	0.0
100	PI2 BPSK	270	0		22.22			
100	QPSK	1	1		22.36			
100	QPSK	1	137		22.26		22.8	0.0
100	QPSK	1	271		22.35			
100	QPSK	135	0		22.30		22.8	0.0
100	QPSK	135	69		22.34		22.8	0.0
100	QPSK	135	138		22.22		22.8	0.0
100	QPSK	270	0		22.31			
100	16QAM	1	1		22.25		22.8	0.0
100	16QAM	1	1		22.31		22.8	0.0
100	256QAM	1	1		21.73		21.8	1.0
Channel								
Frequency (MHz)				64868	65000	66334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.23	22.17	22.19	22.8	0.0
Channel								
Frequency (MHz)				649334	650000	660968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.29	22.20	22.23	22.8	0.0
Channel								
Frequency (MHz)				645000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.25	22.22	22.22	22.8	0.0
Channel								
Frequency (MHz)				646668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.19	22.32	22.34	22.8	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.22	22.21	22.18	22.8	0.0
Channel								
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.31	22.36	22.30	22.8	0.0
Channel								
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK							



Part270 n78 PC2 Ant10							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	MPR (dB)
				3750	3750	3750	
				3750	3750	3750	
100	PI/2 BPSK	1	1		25.40		
100	PI/2 BPSK	1	137		25.42		25.8
100	PI/2 BPSK	1	271		25.38		25.8
100	PI/2 BPSK	135	0		25.44		25.8
100	PI/2 BPSK	135	69		25.27		25.8
100	PI/2 BPSK	135	138		25.44		25.8
100	PI/2 BPSK	270	0		25.30		25.8
100	QPSK	1	1		25.46		
100	QPSK	1	137		25.27		25.8
100	QPSK	1	271		25.44		25.8
100	QPSK	135	0		24.88		25.3
100	QPSK	135	69		25.45		25.8
100	QPSK	135	138		24.79		25.3
100	QPSK	270	0		24.94		25.3
100	16QAM	1	1		24.81		25.3
100	16QAM	1	1		23.43		23.8
100	256QAM	1	1		21.54		21.8
				649688	650000	650334	MPR (dB)
				3745.02	3750	3755.01	25.8
90	QPSK	1	1	25.35	25.35	25.46	25.8
				649334	650000	650668	MPR (dB)
				3740.01	3750	3760.02	25.8
80	QPSK	1	1	25.35	25.44	25.43	25.8
				649000	650000	651000	MPR (dB)
				3735	3750	3765	25.8
70	QPSK	1	1	25.45	25.28	25.29	25.8
				648668	650000	651334	MPR (dB)
				3730.02	3750	3770.01	25.8
60	QPSK	1	1	25.27	25.44	25.37	25.8
				648334	650000	651668	MPR (dB)
				3725.01	3750	3775.02	25.8
50	QPSK	1	1	25.42	25.47	25.47	25.8
				648000	650000	652000	MPR (dB)
				3720	3750	3780	25.8
40	QPSK	1	1	25.32	25.32	25.29	25.8
				647668	650000	652334	MPR (dB)
				3715.02	3750	3785.01	25.8
30	QPSK	1	1	25.49	25.37	25.32	25.8
				647300	650000	652500	MPR (dB)
				3712.5	3750	3787.5	25.8
25	QPSK	1	1	25.38	25.39	25.29	25.8
				647334	650000	652668	MPR (dB)
				3710.01	3750	3790.02	25.8
20	QPSK	1	1	25.36	25.36	25.38	25.8
				647188	650000	652834	MPR (dB)
				3707.52	3750	3792.51	25.8
15	QPSK	1	1	25.35	25.33	25.35	25.8
				647000	650000	653000	MPR (dB)
				3705	3750	3795	25.8
10	QPSK	1	1	25.43	25.38	25.30	25.8

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				165800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.49	22.59	22.50			
20	PI2 BPSK	1	53	22.73	22.69	22.55	24.0	0.0	
20	PI2 BPSK	1	104	22.58	22.64	22.54			
20	PI2 BPSK	50	0	22.17	22.21	22.16	23.5	0.5	
20	PI2 BPSK	50	28	22.58	22.72	22.62	24.0	0.0	
20	PI2 BPSK	50	56	22.22	22.22	22.13	23.5	0.5	
20	PI2 BPSK	100	0	22.20	22.23	22.07			
20	QPSK	1	1	22.71	22.75	22.62			
20	QPSK	1	53	22.51	22.71	22.59	24.0	0.0	
20	QPSK	1	104	22.48	22.65	22.65			
20	QPSK	50	0	21.63	21.70	21.65	23.0	1.0	
20	QPSK	50	28	22.55	22.73	22.64	24.0	0.0	
20	QPSK	50	56	21.82	21.72	21.66	23.0	1.0	
20	QPSK	100	0	21.56	21.71	21.69			
20	16QAM	1	1	21.17	21.33	21.18	23.0	1.0	
20	64QAM	1	1	19.96	19.93	19.83	21.5	2.5	
20	256QAM	1	1	18.57	18.61	18.44	19.5	4.5	
Channel				165300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.51	22.61	22.54	24.0	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	833.5	844			
10	QPSK	1	1	22.43	22.63	22.57	24.0	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.44	22.69	22.54	24.0	0.0	

Reduced Power Mode for EC17									
n26 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.58	22.69	22.69			
20	PI2 BPSK	1	53	22.52	22.70	22.69	24.0	0.0	
20	PI2 BPSK	1	104	22.60	22.66	22.47			
20	PI2 BPSK	50	0	22.19	22.26	22.24	23.5	0.5	
20	PI2 BPSK	50	28	22.74	22.78	22.69	24.0	0.0	
20	PI2 BPSK	50	56	22.07	22.25	22.08	23.5	0.5	
20	PI2 BPSK	100	0	22.05	22.25	22.22			
20	QPSK	1	1	22.74	22.80	22.76			
20	QPSK	1	53	22.50	22.71	22.68	24.0	0.0	
20	QPSK	1	104	22.50	22.70	22.49			
20	QPSK	50	0	21.72	21.74	21.75	23.0	1.0	
20	QPSK	50	28	22.66	22.77	22.58	24.0	0.0	
20	QPSK	50	56	21.56	21.73	21.59	23.0	1.0	
20	QPSK	100	0	21.59	21.73	21.65			
20	16QAM	1	1	21.35	21.46	21.47	23.0	1.0	
20	64QAM	1	1	19.80	20.05	20.06	21.5	2.5	
20	256QAM	1	1	18.07	18.88	18.52	19.5	4.5	
Channel				165300	165300	165300			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.46	22.65	22.54	24.0	0.0	
Channel				163800	166300	168800			
Frequency (MHz)				810	811.5	844			
10	QPSK	1	1	22.51	22.69	22.52	24.0	0.0	
Channel				163300	166300	169300			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.48	22.60	22.52	24.0	0.0	

n71 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134500	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	22.83	23.00	22.90			
20	PI2 BPSK	1	53	22.86	23.09	22.96	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.01	22.97			
20	PI2 BPSK	50	0	22.55	22.96	22.55	23.5	0.5	
20	PI2 BPSK	50	28	23.13	23.11	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.57	22.80	22.48	23.5	0.5	
20	PI2 BPSK	100	0	22.38	22.56	22.53			
20	QPSK	1	1	23.08	23.14	23.01			
20	QPSK	1	53	22.94	23.04	22.92	24.0	0.0	
20	QPSK	1	104	22.99	23.01	23.00			
20	QPSK	50	0	21.97	22.05	21.97	23.0	1.0	
20	QPSK	50	28	23.02	23.10	23.08	24.0	0.0	
20	QPSK	50	56	22.10	22.10	21.89	23.0	1.0	
20	QPSK	100	0	22.02	22.06	22.04			
20	16QAM	1	1	21.83	21.75	21.58	23.0	1.0	
20	64QAM	1	1	20.40	20.46	20.39	21.5	2.5	
20	256QAM	1	1	18.98	19.02	18.09	19.5	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.43	22.67	22.57	24.0	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.43	22.64	22.55	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.52	22.61	22.52	24.0	0.0	

n38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	Pi/2 BPSK	1	1	18.12	18.21	18.17			
40	Pi/2 BPSK	1	53	18.01	18.11	18.00	19.3	0.0	
40	Pi/2 BPSK	1	104	18.05	18.20	17.99			
40	Pi/2 BPSK	50	0	18.14	18.20	18.11	19.3	0.0	
40	Pi/2 BPSK	50	28	18.04	18.08	18.07	19.3	0.0	
40	Pi/2 BPSK	50	56	18.06	18.17	18.04			
40	Pi/2 BPSK	100	0	18.11	18.22	18.07	19.3	0.0	
40	QPSK	1	1	18.03	18.23	18.05			
40	QPSK	1	53	18.01	18.19	18.02	19.3	0.0	
40	QPSK	1	104	18.10	18.22	18.16			
40	QPSK	50	0	18.10	18.13	18.01	19.3	0.0	
40	QPSK	50	28	18.05	18.20	18.00	19.3	0.0	
40	QPSK	50	56	18.19	18.10	18.17			
40	QPSK	100	0	18.01	18.00	18.07	19.3	0.0	
40	16QAM	1	1	18.05	18.14	18.00	19.3	0.0	
40	64QAM	1	1	18.13	18.20	18.19	19.3	0.0	
40	256QAM	1	1	18.15	18.20	18.20	19.3	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	17.98	18.10	17.99	19.3	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	17.90	18.17	17.91	19.3	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	17.93	18.12	17.89	19.3	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	17.92	18.10	17.98	19.3	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	17.90	18.13	18.00	19.3	0.0	

n41 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi/2 BPSK	1	1	18.16	18.26	18.02			
100	Pi/2 BPSK	1	137	17.88	18.12	18.07	19.3	0.0	
100	Pi/2 BPSK	1	271	17.89	17.92	17.90			
100	Pi/2 BPSK	135	0	18.10	18.27	18.03	19.3	0.0	
100	Pi/2 BPSK	135	69	17.82	18.11	18.07	19.3	0.0	
100	Pi/2 BPSK	135	138	17.98	17.95	17.90			
100	Pi/2 BPSK	270	0	18.17	18.26	17.99	19.3	0.0	
100	QPSK	1	1	17.92	18.29	17.98			
100	QPSK	1	137	17.95	17.91	17.89	19.3	0.0	
100	QPSK	1	271	18.15	18.24	17.99			
100	QPSK	135	0	17.88	18.12	18.09	19.3	0.0	
100	QPSK	135	69	17.96	18.27	17.84	19.3	0.0	
100	QPSK	135	138	18.21	18.26	18.04			
100	QPSK	270	0	17.93	18.13	18.10	19.3	0.0	
100	16QAM	1	1	17.96	17.97	17.92	19.3	0.0	
100	64QAM	1	1	18.13	18.12	18.04	19.3	0.0	
100	256QAM	1	1	18.11	18.11	18.10	19.3	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.79	18.25	17.89	19.3	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.85	18.20	17.86	19.3	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	17.83	18.21	17.86	19.3	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	17.87	18.15	17.88	19.3	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.78	18.25	17.93	19.3	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	17.83	18.14	17.90	19.3	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.80	18.16	17.93	19.3	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	17.79	18.23	17.88	19.3	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.82	18.14	17.84	19.3	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	17.78	18.13	17.83	19.3	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.83	18.16	17.90	19.3	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	17.85	18.19	17.86	19.3	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	17.78	18.15	17.91	19.3	0.0	

n2 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq			
Channel									
Frequency (MHz)									
40	PI/2 BPSK	1	1	13.58	13.67	13.58			
40	PI/2 BPSK	1	108	13.43	13.45	13.37	14.7	0.0	
40	PI/2 BPSK	1	214	13.48	13.56	13.39			
40	PI/2 BPSK	108	0	13.83	13.81	13.84	14.7	0.0	
40	PI/2 BPSK	108	54	13.41	13.44	13.40	14.7	0.0	
40	PI/2 BPSK	108	108	13.32	13.50	13.31			
40	PI/2 BPSK	216	0	13.67	13.69	13.56			
40	QPSK	1	1	13.42	13.86	13.36			
40	QPSK	1	108	13.56	13.50	13.34	14.7	0.0	
40	QPSK	1	214	13.58	13.69	13.50			
40	QPSK	108	0	13.43	13.56	13.45	14.7	0.0	
40	QPSK	108	54	13.44	13.67	13.41	14.7	0.0	
40	QPSK	108	108	13.65	13.60	13.55	14.7	0.0	
40	QPSK	216	0	13.46	13.70	13.35			
40	16QAM	1	1	13.42	13.51	13.31	14.7	0.0	
40	64QAM	1	1	13.58	13.65	13.63	14.7	0.0	
40	256QAM	1	1	13.44	13.54	13.43	14.7	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	1897.5	1880	1892.5			
35	QPSK	1	1	13.28	13.81	13.21	0.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	37200	37600	37500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	1897.5	1890	1897.5			
25	QPSK	1	1	13.34	13.79	13.31	14.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	1860	1880	1900			
20	QPSK	1	1	13.30	13.79	13.20	14.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	1865	1880	1895			
10	QPSK	1	1	13.33	13.78	13.27	14.7	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	1852.5	1880	1897.5			
5	QPSK	1	1	13.26	13.75	13.30	14.7	0.0	

n5 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq			
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	22.17	22.23	22.18			
20	PI/2 BPSK	1	53	22.22	22.34	22.36	23.5	0.0	
20	PI/2 BPSK	1	104	22.28	22.29	22.15			
20	PI/2 BPSK	50	0	21.80	21.87	21.73	23.0	0.5	
20	PI/2 BPSK	50	28	22.29	22.37	22.22	23.5	0.0	
20	PI/2 BPSK	50	56	21.83	21.89	21.91	23.0	0.5	
20	PI/2 BPSK	100	0	21.78	21.89	21.85			
20	QPSK	1	1	22.30	22.46	22.42			
20	QPSK	1	53	22.16	22.36	22.36	23.5	0.0	
20	QPSK	1	104	22.06	22.29	22.22			
20	QPSK	50	0	21.28	21.37	21.38	22.5	1.0	
20	QPSK	50	28	22.27	22.40	22.24	23.5	0.0	
20	QPSK	50	56	21.40	21.38	21.26	22.5	1.0	
20	QPSK	100	0	21.36	21.38	21.34			
20	16QAM	1	1	21.39	21.44	21.46	22.5	1.0	
20	64QAM	1	1	19.87	19.60	19.72	21.0	2.5	
20	256QAM	1	1	18.31	18.26	18.11	19.0	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	831.5	836.5	841.5			
15	QPSK	1	1	22.26	22.33	22.31	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.16	22.37	22.32	23.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.21	22.40	22.27	23.5	0.0	

n7 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq			
Channel									
Frequency (MHz)									
50	PI/2 BPSK	1	1	14.71	14.77	14.73			
50	PI/2 BPSK	1	135	14.81	14.81	14.46	15.8	0.0	
50	PI/2 BPSK	1	268	14.46	14.51	14.53			
50	PI/2 BPSK	135	0	14.67	14.71	14.70	15.8	0.0	
50	PI/2 BPSK	135	68	14.58	14.64	14.48	15.8	0.0	
50	PI/2 BPSK	135	135	14.43	14.51	14.57	15.8	0.0	
50	PI/2 BPSK	270	0	14.73	14.79	14.75			
50	QPSK	1	1	14.54	14.81	14.46			
50	QPSK	1	135	14.48	14.56	14.50	15.8	0.0	
50	QPSK	1	268	14.66	14.72	14.72			
50	QPSK	135	0	14.60	14.67	14.39	15.8	0.0	
50	QPSK	135	68	14.46	14.76	14.57	15.8	0.0	
50	QPSK	135	135	14.75	14.71	14.71	15.8	0.0	
50	QPSK	270	0	14.92	14.93	14.40			
50	16QAM	1	1	14.50	14.49	14.53	15.8	0.0	
50	64QAM	1	1	14.71	14.79	14.72	15.8	0.0	
50	256QAM	1	1	14.53	14.66	14.38	15.8	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	2920	2935	2950			
40	QPSK	1	1	14.41	14.73	14.37	15.8	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	505000	507000	510500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	2917.5	2935	2952.5			
35	QPSK	1	1	14.42	14.76	14.35	15.8	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	505000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	2915	2935	2955			
30	QPSK	1	1	14.43	14.74	14.37	15.8	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	505000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	2912.5	2935	2957.5			
25	QPSK	1	1	14.44	14.75	14.32	15.8	0.0	
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	14.40	14.76	14.39	15.8	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	507000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	14.41	14.70	14.31	15.8	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	507000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	14.45	14.71	14.33	15.8	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	505000	507000	515000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	2922.5	2935	2957.5			
5	QPSK	1	1	14.48	14.75	14.38	15.8	0.0	



n26 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq				
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	22.26	22.33	22.28				
20	PI2 BPSK	1	53	22.18	22.30	22.21	23.5	0.0		
20	PI2 BPSK	1	104	22.35	22.33	22.28				
20	PI2 BPSK	50	0	21.91	21.93	21.82	23.0	0.5		
20	PI2 BPSK	50	28	22.43	22.43	22.29	23.5	0.0		
20	PI2 BPSK	50	56	21.89	21.93	21.89				
20	PI2 BPSK	100	0	21.92	21.92	21.78	23.0	0.5		
20	QPSK	1	1	22.43	22.47	22.31				
20	QPSK	1	53	22.35	22.34	22.24	23.5	0.0		
20	QPSK	1	104	22.21	22.34	22.32				
20	QPSK	50	0	21.42	21.42	21.36	22.5	1.0		
20	QPSK	50	28	22.35	22.41	22.28	23.5	0.0		
20	QPSK	50	56	21.26	21.41	21.25				
20	QPSK	100	0	21.31	21.40	21.25	22.5	1.0		
20	16QAM	1	1	21.14	21.11	21.03	22.5	1.0		
20	64QAM	1	1	19.79	19.72	19.73	21.0	2.5		
20	256QAM	1	1	18.25	18.35	18.41	19.0	4.5		
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.17	22.36	22.15	23.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.15	22.30	22.14	23.5	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	1	22.23	22.30	22.18	23.5	0.0		

n66 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq				
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	15.58	15.69	15.64				
40	PI2 BPSK	1	108	15.48	15.65	15.52	17.0	0.0		
40	PI2 BPSK	1	214	15.62	15.52	15.36				
40	PI2 BPSK	108	0	15.68	15.71	15.67	17.0	0.0		
40	PI2 BPSK	108	54	15.49	15.67	15.55	17.0	0.0		
40	PI2 BPSK	108	108	15.62	15.61	15.44				
40	PI2 BPSK	216	0	15.63	15.72	15.69	17.0	0.0		
40	QPSK	1	1	15.51	15.75	15.54				
40	QPSK	1	108	15.54	15.52	15.40	17.0	0.0		
40	QPSK	1	214	15.64	15.67	15.61				
40	QPSK	108	0	15.48	15.57	15.60	17.0	0.0		
40	QPSK	108	54	15.55	15.70	15.39	17.0	0.0		
40	QPSK	108	108	15.67	15.65	15.69				
40	QPSK	216	0	15.55	15.64	15.61	17.0	0.0		
40	16QAM	1	1	15.53	15.52	15.48	17.0	0.0		
40	64QAM	1	1	15.57	15.48	15.63	17.0	0.0		
40	256QAM	1	1	15.45	15.52	15.54	17.0	0.0		
Channel										
Frequency (MHz)										
35	QPSK	1	1	15.43	15.61	15.45	17.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	15.44	15.64	15.41	17.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	15.41	15.67	15.44	17.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	15.45	15.70	15.47	17.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	15.35	15.66	15.47	17.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	15.42	15.71	15.40	17.0	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	1	15.30	15.55	15.44	17.0	0.0		

n71 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq				
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	22.38	22.51	22.50				
20	PI2 BPSK	1	53	22.47	22.60	22.47	24.0	0.0		
20	PI2 BPSK	1	104	22.48	22.51	22.46				
20	PI2 BPSK	50	0	21.96	22.06	21.97	23.5	0.5		
20	PI2 BPSK	50	28	22.82	22.82	22.80	24.0	0.0		
20	PI2 BPSK	50	56	22.05	22.12	21.92				
20	PI2 BPSK	100	0	22.10	22.07	22.05	23.5	0.5		
20	QPSK	1	1	22.55	22.62	22.50				
20	QPSK	1	53	22.44	22.59	22.42	24.0	0.0		
20	QPSK	1	104	22.38	22.50	22.38				
20	QPSK	50	0	21.51	21.54	21.47	23.0	1.0		
20	QPSK	50	28	22.53	22.58	22.51	24.0	0.0		
20	QPSK	50	56	21.45	21.61	21.53				
20	QPSK	100	0	21.45	21.57	21.44	23.0	1.0		
20	16QAM	1	1	21.20	21.25	21.08	23.0	1.0		
20	64QAM	1	1	19.91	19.97	19.88	21.5	2.5		
20	256QAM	1	1	18.45	18.52	18.42	19.5	4.5		
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.09	22.15	22.05	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.14	22.20	22.06	24.0	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	1	22.03	22.13	22.08	24.0	0.0		

n38 Ant1									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	15.90	16.10	16.00			
40	PI/2 BPSK	1	53	15.80	15.79	15.84	17.7	0.0	
40	PI/2 BPSK	1	104	15.90	15.71	15.88			
40	PI/2 BPSK	50	0	15.99	16.04	15.99	17.7	0.0	
40	PI/2 BPSK	50	28	15.86	15.86	15.91	17.7	0.0	
40	PI/2 BPSK	50	56	15.96	15.76	15.91	17.7	0.0	
40	PI/2 BPSK	100	0	15.94	16.05	15.97			
40	QPSK	1	1	15.84	16.21	15.92			
40	QPSK	1	53	15.80	15.71	15.96	17.7	0.0	
40	QPSK	1	104	15.89	16.04	15.99			
40	QPSK	50	0	15.89	15.80	15.89	17.7	0.0	
40	QPSK	50	28	15.97	16.13	16.06	17.7	0.0	
40	QPSK	50	56	15.94	16.12	16.01			
40	QPSK	100	0	15.86	15.95	15.90	17.7	0.0	
40	16QAM	1	1	15.80	15.71	16.11	17.7	0.0	
40	64QAM	1	1	15.97	16.14	15.93	17.7	0.0	
40	256QAM	1	1	15.89	15.82	15.85	17.7	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	15.82	16.17	15.77	17.7	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	15.87	16.16	15.76	17.7	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	15.83	16.17	15.79	17.7	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	15.95	16.14	15.86	17.7	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	15.85	16.15	15.82	17.7	0.0	

n41 Ant1									
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	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.30	16.50	16.40			
100	PI/2 BPSK	1	137	16.25	16.34	16.19	17.7	0.0	
100	PI/2 BPSK	1	271	16.12	16.29	16.10			
100	PI/2 BPSK	135	0	16.33	16.47	16.39	17.7	0.0	
100	PI/2 BPSK	135	69	16.22	16.36	16.21	17.7	0.0	
100	PI/2 BPSK	135	138	16.15	16.25	16.03			
100	PI/2 BPSK	270	0	16.38	16.42	16.45			
100	QPSK	1	1	16.17	16.53	16.13			
100	QPSK	1	137	16.15	16.26	16.04	17.7	0.0	
100	QPSK	1	271	16.32	16.48	16.40			
100	QPSK	135	0	16.21	16.37	16.21	17.7	0.0	
100	QPSK	135	69	16.21	16.41	16.06	17.7	0.0	
100	QPSK	135	138	16.32	16.39	16.37			
100	QPSK	270	0	16.20	16.32	16.16	17.7	0.0	
100	16QAM	1	1	16.18	16.22	16.07	17.7	0.0	
100	64QAM	1	1	16.35	16.51	16.37	17.7	0.0	
100	256QAM	1	1	16.25	16.42	16.19	17.7	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	16.06	16.44	16.01	17.7	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	16.02	16.41	15.97	17.7	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	16.04	16.42	16.09	17.7	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	16.13	16.44	16.00	17.7	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	16.02	16.38	16.07	17.7	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	16.02	16.38	16.04	17.7	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	16.13	16.41	16.03	17.7	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	16.01	16.39	16.01	17.7	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.11	16.44	16.09	17.7	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	16.06	16.40	16.02	17.7	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.11	16.43	16.00	17.7	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	16.04	16.39	16.01	17.7	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	16.03	16.44	16.05	17.7	0.0	

n2 Ant2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	19.90	20.03	19.90	
40	PI2 BPSK	1	108	19.66	19.97	19.76	0.0
40	PI2 BPSK	1	214	19.70	19.90	19.78	
40	PI2 BPSK	108	0	19.94	19.98	19.81	21.2
40	PI2 BPSK	108	54	19.66	19.89	19.71	21.2
40	PI2 BPSK	108	108	19.77	19.87	19.82	21.2
40	PI2 BPSK	216	0	19.98	19.92	19.88	
40	QPSK	1	1	19.71	20.06	19.74	
40	QPSK	1	108	19.68	19.85	19.85	21.2
40	QPSK	1	214	19.90	19.96	19.91	
40	QPSK	108	0	19.73	19.89	19.77	21.2
40	QPSK	108	54	19.73	19.95	19.87	21.2
40	QPSK	108	108	19.89	19.93	19.89	21.2
40	QPSK	216	0	19.85	19.94	19.71	0.0
40	16QAM	1	1	19.72	19.93	19.85	21.2
40	16QAM	1	1	19.68	19.96	19.83	21.2
40	256QAM	1	1	19.80	19.73	19.85	19.7
Channel							
Frequency (MHz)							
35	QPSK	1	1	19.64	19.98	19.63	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	19.85	19.90	19.85	0.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	19.63	19.90	19.58	21.2
Channel							
Frequency (MHz)							
20	QPSK	1	1	19.65	19.97	19.70	21.2
Channel							
Frequency (MHz)							
15	QPSK	1	1	19.63	20.00	19.63	21.2
Channel							
Frequency (MHz)							
10	QPSK	1	1	19.65	19.92	19.64	21.2
Channel							
Frequency (MHz)							
5	QPSK	1	1	19.66	19.90	19.69	21.2

n7 Ant2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)							
50	PI2 BPSK	1	1	20.98	21.10	21.00	
50	PI2 BPSK	1	135	20.99	21.02	20.97	
50	PI2 BPSK	1	268	20.76	20.90	20.71	22.2
50	PI2 BPSK	135	0	21.08	21.06	20.99	22.2
50	PI2 BPSK	135	68	20.99	21.00	20.90	22.2
50	PI2 BPSK	135	135	20.76	20.81	20.73	22.2
50	PI2 BPSK	270	0	21.04	21.08	20.98	
50	QPSK	1	1	20.99	21.23	20.92	
50	QPSK	1	135	20.72	20.88	20.64	22.2
50	QPSK	1	268	21.09	21.07	20.96	
50	QPSK	135	0	20.93	21.05	20.95	22.2
50	QPSK	135	68	20.76	21.14	20.71	22.2
50	QPSK	135	135	21.06	21.12	20.95	22.2
50	QPSK	270	0	20.98	21.01	20.94	
50	16QAM	1	1	20.68	20.89	20.63	22.2
50	16QAM	1	1	20.07	20.18	20.17	21.7
50	256QAM	1	1	18.75	18.89	18.86	19.7
Channel							
Frequency (MHz)							
40	QPSK	1	1	20.88	21.13	20.79	22.2
Channel							
Frequency (MHz)							
35	QPSK	1	1	20.90	21.10	20.83	22.2
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.91	21.14	20.79	22.2
Channel							
Frequency (MHz)							
25	QPSK	1	1	20.92	21.17	20.77	22.2
Channel							
Frequency (MHz)							
20	PI2 BPSK	1	1	20.83	21.19	20.87	22.2
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.95	21.11	20.86	22.2
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.90	21.11	20.81	22.2
Channel							
Frequency (MHz)							
5	QPSK	1	1	20.91	21.11	20.86	22.2

n66 Ant2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	17.30	17.45	17.60	
40	PI2 BPSK	1	1	20.12	20.12	19.98	
40	PI2 BPSK	1	108	19.80	19.93	19.80	0.0
40	PI2 BPSK	1	214	19.87	19.87	19.82	
40	PI2 BPSK	108	0	20.10	20.14	20.06	21.5
40	PI2 BPSK	108	54	19.82	19.99	19.83	21.5
40	PI2 BPSK	108	108	19.68	19.81	19.85	21.5
40	PI2 BPSK	216	0	20.07	20.21	20.01	
40	QPSK	1	1	19.83	20.22	19.83	
40	QPSK	1	108	19.81	19.79	19.79	21.5
40	QPSK	1	214	20.11	20.14	20.08	
40	QPSK	108	0	19.82	19.95	19.79	21.5
40	QPSK	108	54	19.61	20.18	19.76	21.5
40	QPSK	108	108	20.12	20.14	20.04	21.5
40	QPSK	216	0	19.85	19.96	19.79	
40	16QAM	1	1	19.61	19.86	19.85	21.5
40	16QAM	1	1	20.07	20.15	20.08	21.5
40	256QAM	1	1	18.89	18.93	18.92	20.0
Channel							
Frequency (MHz)							
35	QPSK	1	1	19.74	20.13	19.76	21.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	19.76	20.18	19.79	21.5
Channel							
Frequency (MHz)							
25	QPSK	1	1	19.69	20.14	19.75	21.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	19.77	20.14	19.76	21.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	17.75	17.45	17.75	21.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	19.74	20.16	19.69	21.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	19.76	20.06	19.75	21.5

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	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	20.50	20.61	20.47		
40	PI/2 BPSK	1	53	20.49	20.53	20.36	22.2	0.0
40	PI/2 BPSK	1	104	20.57	20.39	20.28		
40	PI/2 BPSK	50	0	20.46	20.63	20.50	22.2	0.0
40	PI/2 BPSK	50	28	20.48	20.46	20.38	22.2	0.0
40	PI/2 BPSK	50	56	20.46	20.42	20.23	22.2	0.0
40	PI/2 BPSK	100	0	20.45	20.53	20.56		
40	QPSK	1	1	20.49	20.65	20.35		
40	QPSK	1	53	20.21	20.45	20.49	22.2	0.0
40	QPSK	1	104	20.52	20.54	20.51		
40	QPSK	50	0	20.49	20.51	20.43	22.2	0.0
40	QPSK	50	28	20.21	20.56	20.24	22.2	0.0
40	QPSK	50	56	20.46	20.54	20.50	22.2	0.0
40	QPSK	100	0	20.50	20.52	20.39	22.2	0.0
40	16QAM	1	1	20.40	20.47	20.24	22.2	0.0
40	64QAM	1	1	20.46	20.61	20.48	22.2	0.0
40	256QAM	1	1	18.68	18.79	18.82	20.2	2.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	20.41	20.53	20.21	22.2	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	20.43	20.54	20.27	22.2	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	20.39	20.60	20.24	22.2	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	20.42	20.50	20.31	22.2	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	20.36	20.56	20.28	22.2	0.0

n41 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	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.58	20.73	20.58		
100	PI/2 BPSK	1	137	20.55	20.55	20.50	22.2	0.0
100	PI/2 BPSK	1	271	20.28	20.56	20.37		
100	PI/2 BPSK	135	0	20.60	20.64	20.63	22.2	0.0
100	PI/2 BPSK	135	69	20.56	20.58	20.49	22.2	0.0
100	PI/2 BPSK	135	138	20.37	20.49	20.39	22.2	0.0
100	PI/2 BPSK	270	0	20.57	20.74	20.57		
100	QPSK	1	1	20.64	20.75	20.54		
100	QPSK	1	137	20.30	20.50	20.32	22.2	0.0
100	QPSK	1	271	20.58	20.72	20.56		
100	QPSK	135	0	20.60	20.62	20.46	22.2	0.0
100	QPSK	135	69	20.26	20.74	20.30	22.2	0.0
100	QPSK	135	138	20.60	20.73	20.67	22.2	0.0
100	QPSK	270	0	20.65	20.66	20.56		
100	16QAM	1	1	20.27	20.58	20.32	22.2	0.0
100	64QAM	1	1	20.55	20.67	20.61	22.2	0.0
100	256QAM	1	1	18.70	18.84	18.47	20.2	2.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.50	20.66	20.48	22.2	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.58	20.63	20.44	22.2	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.60	20.66	20.42	22.2	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.54	20.70	20.46	22.2	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.52	20.65	20.41	22.2	0.0
Channel				503700	518598	533496		
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	20.52	20.65	20.45	22.2	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.54	20.63	20.43	22.2	0.0
Channel				502704	518598	534498		
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	20.50	20.59	20.40	22.2	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.53	20.69	20.41	22.2	0.0
Channel				501702	518598	535500		
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	20.56	20.62	20.49	22.2	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.49	20.63	20.43	22.2	0.0
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	20.50	20.62	20.48	22.2	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	20.60	20.61	20.49	22.2	0.0

n38 Ant9									
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	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	12.40	12.47	12.50			
40	PI/2 BPSK	1	53	12.24	12.43	12.38	14.1	0.0	
40	PI/2 BPSK	1	104	12.12	12.35	12.33			
40	PI/2 BPSK	50	0	12.45	12.51	12.43	14.1	0.0	
40	PI/2 BPSK	50	28	12.20	12.48	12.32	14.1	0.0	
40	PI/2 BPSK	50	56	12.14	12.35	12.35	14.1	0.0	
40	PI/2 BPSK	100	0	12.48	12.57	12.49			
40	QPSK	1	1	12.22	12.61	12.43			
40	QPSK	1	53	12.15	12.41	12.33	14.1	0.0	
40	QPSK	1	104	12.47	12.55	12.46			
40	QPSK	50	0	12.23	12.49	12.35	14.1	0.0	
40	QPSK	50	28	12.13	12.54	12.26	14.1	0.0	
40	QPSK	50	56	12.37	12.52	12.51			
40	QPSK	100	0	12.20	12.53	12.41	14.1	0.0	
40	16QAM	1	1	12.11	12.31	12.34	14.1	0.0	
40	64QAM	1	1	12.39	12.45	12.54	14.1	0.0	
40	256QAM	1	1	12.27	12.50	12.32	14.1	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	12.12	12.53	12.32	14.1	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	12.47	12.53	12.36	14.1	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	12.15	12.57	12.36	14.1	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	12.48	12.54	12.30	14.1	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	12.11	12.51	12.38	14.1	0.0	

n41 Ant9									
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	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	12.58	12.75	12.66			
100	PI/2 BPSK	1	137	12.45	12.69	12.62	14.1	0.0	
100	PI/2 BPSK	1	271	12.29	12.57	12.45			
100	PI/2 BPSK	135	0	12.66	12.75	12.64	14.1	0.0	
100	PI/2 BPSK	135	69	12.45	12.66	12.63	14.1	0.0	
100	PI/2 BPSK	135	138	12.36	12.56	12.53	14.1	0.0	
100	PI/2 BPSK	270	0	12.59	12.71	12.68			
100	QPSK	1	1	12.45	12.78	12.58			
100	QPSK	1	137	12.31	12.52	12.54	14.1	0.0	
100	QPSK	1	271	12.82	12.72	12.70			
100	QPSK	135	0	12.43	12.69	12.56	14.1	0.0	
100	QPSK	135	69	12.36	12.71	12.47	14.1	0.0	
100	QPSK	135	138	12.84	12.70	12.67			
100	QPSK	270	0	12.43	12.66	12.59	14.1	0.0	
100	16QAM	1	1	12.36	12.55	12.48	14.1	0.0	
100	64QAM	1	1	12.65	12.67	12.65	14.1	0.0	
100	256QAM	1	1	12.38	12.71	12.63	14.1	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	12.37	12.66	12.46	14.1	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	12.35	12.65	12.43	14.1	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	12.30	12.65	12.49	14.1	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	12.40	12.74	12.50	14.1	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	12.40	12.73	12.45	14.1	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	12.32	12.64	12.49	14.1	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	12.36	12.70	12.42	14.1	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	12.30	12.68	12.45	14.1	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	12.33	12.62	12.48	14.1	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	12.32	12.73	12.45	14.1	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	12.40	12.69	12.42	14.1	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	12.34	12.73	12.51	14.1	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	12.30	12.65	12.48	14.1	0.0	



Part270 n77 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									
Frequency (MHz)									
100	PI2 BPSK	1	1	13.98	14.07	13.87			
100	PI2 BPSK	1	137	13.81	13.99	13.74			0.0
100	PI2 BPSK	1	271	14.15	14.11	13.88			
100	PI2 BPSK	135	6	14.00	14.02	13.94	15.1	0.0	
100	PI2 BPSK	135	69	13.92	14.04	13.96	15.1	0.0	
100	PI2 BPSK	135	138	14.10	14.14	13.92	15.1	0.0	
100	PI2 BPSK	270	0	14.02	14.13	14.09			
100	QPSK	1	1	14.17	14.31	14.15			
100	QPSK	1	137	14.01	14.02	13.70	15.1	0.0	
100	QPSK	1	271	14.08	14.06	13.90			
100	QPSK	135	0	14.05	14.03	14.00	15.1	0.0	
100	QPSK	135	69	13.91	14.13	13.98	15.1	0.0	
100	QPSK	135	138	14.01	14.07	13.89	15.1	0.0	
100	QPSK	270	0	13.92	14.05	13.81	15.1	0.0	
100	16QAM	1	1	13.79	13.90	13.71	15.1	0.0	
100	16QAM	1	1	13.74	13.86	13.85	15.1	0.0	
100	256QAM	1	1	13.78	13.82	13.76	15.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	14.11	14.12	14.06	15.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.98	14.22	13.80	15.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.13	14.16	14.03	15.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.01	14.22	13.98	15.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.08	14.28	14.10	15.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.12	14.13	13.96	15.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.07	14.24	14.09	15.1	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	14.11	14.21	13.96	15.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.02	14.17	14.00	15.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.02	14.25	14.11	15.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.01	14.19	13.93	15.1	0.0	

Part270 n77 PC2 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									
Frequency (MHz)									
100	PI2 BPSK	1	1	17.04	17.01	16.91			
100	PI2 BPSK	1	137	16.74	16.91	16.71	18.1	0.0	
100	PI2 BPSK	1	271	16.80	16.86	16.82			
100	PI2 BPSK	135	6	17.00	17.08	16.90	18.1	0.0	
100	PI2 BPSK	135	69	16.79	16.92	16.82	18.1	0.0	
100	PI2 BPSK	135	138	16.81	16.90	16.92	18.1	0.0	
100	PI2 BPSK	270	0	17.05	17.07	16.93			
100	QPSK	1	1	16.76	17.10	16.75			
100	QPSK	1	137	16.78	16.90	16.83	18.1	0.0	
100	QPSK	1	271	16.97	17.06	16.92			
100	QPSK	135	0	16.83	16.88	16.76	18.1	0.0	
100	QPSK	135	69	16.84	17.08	16.83	18.1	0.0	
100	QPSK	135	138	17.06	17.06	16.93	18.1	0.0	
100	QPSK	270	0	16.75	16.85	16.78			
100	16QAM	1	1	16.82	16.92	16.82	18.1	0.0	
100	16QAM	1	1	16.97	17.01	17.00	18.1	0.0	
100	256QAM	1	1	16.80	16.85	16.81	18.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.70	16.95	16.67	18.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.68	16.99	16.63	18.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.61	16.99	16.70	18.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.63	16.98	16.71	18.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.70	17.00	16.83	18.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.83	17.01	16.84	18.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.72	16.94	16.67	18.1	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.88	16.99	16.89	18.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.70	16.96	16.67	18.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.62	16.98	16.71	18.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.82	17.05	16.67	18.1	0.0	

Part270 n78 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									
Frequency (MHz)									
100	PI2 BPSK	1	1	17.04	17.01	16.91			
100	PI2 BPSK	1	137	16.74	16.91	16.71	18.1	0.0	
100	PI2 BPSK	1	271	16.80	16.86	16.82			
100	PI2 BPSK	135	0	17.00	17.08	16.90	18.1	0.0	
100	PI2 BPSK	135	69	16.79	16.92	16.82	18.1	0.0	
100	PI2 BPSK	135	138	16.81	16.90	16.92	18.1	0.0	
100	PI2 BPSK	270	0	17.05	17.07	16.93			
100	QPSK	1	1	16.76	17.10	16.75			
100	QPSK	1	137	16.78	16.90	16.83	18.1	0.0	
100	QPSK	1	271	16.97	17.06	16.92			
100	QPSK	135	0	16.83	16.88	16.76	18.1	0.0	
100	QPSK	135	69	16.84	17.08	16.83	18.1	0.0	
100	QPSK	135	138	17.06	17.06	16.93	18.1	0.0	
100	QPSK	270	0	16.75	16.85	16.78			
100	16QAM	1	1	16.82	16.92	16.82	18.1	0.0	
100	16QAM	1	1	16.97	17.01	17.00	18.1	0.0	
100	256QAM	1	1	16.80	16.85	16.81	18.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.68	16.98	16.63	18.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.40	16.43	16.27	15.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.41	16.39	16.34	15.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.41	16.39	16.34	15.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.41	16.39	16.34	15.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.43	16.41	16.43	15.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.43	16.40	16.34	15.1	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.39	16.38	16.38	15.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.39	16.33	16.33	15.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.43	16.42	16.32	15.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.39	16.37	16.36	15.1	0.0	



Part270 n78 PC2 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	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		17.30				
100	PI/2 BPSK	1	137		17.22		18.1	0.0	
100	PI/2 BPSK	1	271		17.16		18.1	0.0	
100	PI/2 BPSK	135	0		17.37		18.1	0.0	
100	PI/2 BPSK	135	89		17.15		18.1	0.0	
100	PI/2 BPSK	135	138		17.16		18.1	0.0	
100	PI/2 BPSK	270	0		17.38				
100	QPSK	1	1		17.26				
100	QPSK	1	137		17.17		18.1	0.0	
100	QPSK	1	271		17.34				
100	QPSK	135	0		17.21		18.1	0.0	
100	QPSK	135	89		17.27		18.1	0.0	
100	QPSK	135	138		17.17		18.1	0.0	
100	QPSK	270	0		17.13		18.1	0.0	
100	16QAM	1	1		17.08		18.1	0.0	
100	16QAM	1	1		17.03		18.1	0.0	
100	256QAM	1	1		17.11		18.1	0.0	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		17.32	17.28	17.24	18.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		17.29	17.20	17.27	18.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		17.28	17.24	17.33	18.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3730.01			
60	QPSK	1	1		17.33	17.27	17.32	18.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		17.23	17.28	17.26	18.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		17.31	17.31	17.31	18.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		17.31	17.22	17.29	18.1	0.0
Channel				647300	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		17.33	17.24	17.27	18.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3780.02			
20	QPSK	1	1		17.32	17.23	17.32	18.1	0.0
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		17.31	17.30	17.30	18.1	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		17.28	17.31	17.33	18.1	0.0



Part270 n77 Ant4									
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	17.06	17.17	17.17			
100	PI2 BPSK	1	137	17.11	17.10	16.99			0.0
100	PI2 BPSK	1	271	17.06	17.04	16.79			
100	PI2 BPSK	135	6	17.20	17.25	17.23	18.7	0.0	
100	PI2 BPSK	135	69	17.01	17.20	17.05	18.7	0.0	
100	PI2 BPSK	135	138	17.03	17.05	17.17	18.7	0.0	
100	PI2 BPSK	270	0	17.02	17.10	17.19			
100	QPSK	1	1	17.26	17.28	17.01			
100	QPSK	1	137	16.84	17.16	17.20	18.7	0.0	
100	QPSK	1	271	17.10	17.05	17.02			
100	QPSK	135	0	16.98	17.20	17.03	18.7	0.0	
100	QPSK	135	69	17.25	17.26	17.18	18.7	0.0	
100	QPSK	135	138	17.21	17.20	17.08	18.7	0.0	
100	QPSK	270	0	16.97	17.17	17.06			
100	16QAM	1	1	16.78	16.90	16.89	18.7	0.0	
100	16QAM	1	1	16.97	16.87	16.76	18.7	0.0	
100	256QAM	1	1	16.98	16.78	16.81	18.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.11	17.16	16.88	18.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.12	17.15	16.85	18.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.17	17.15	16.91	18.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.14	17.12	16.89	18.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.12	17.15	16.96	18.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.12	17.22	16.97	18.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.19	17.12	16.93	18.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.20	17.14	16.86	18.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.13	17.23	16.88	18.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.20	17.23	16.90	18.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.11	17.20	16.89	18.7	0.0	

Part270 n77 PC2 Ant4									
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	20.27	20.29	20.27			
100	PI2 BPSK	1	137	20.06	20.24	19.99			0.0
100	PI2 BPSK	1	271	19.81	20.03	19.95			
100	PI2 BPSK	135	6	20.21	20.30	20.22	21.7	0.0	
100	PI2 BPSK	135	69	19.96	20.21	19.95	21.7	0.0	
100	PI2 BPSK	135	138	19.88	19.98	19.89	21.7	0.0	
100	PI2 BPSK	270	0	20.24	20.36	20.31			
100	QPSK	1	1	19.96	20.37	20.05			
100	QPSK	1	137	19.81	20.02	19.87	21.7	0.0	
100	QPSK	1	271	20.19	20.30	20.21			
100	QPSK	135	0	20.06	20.16	19.94	21.7	0.0	
100	QPSK	135	69	19.85	20.34	19.91	21.7	0.0	
100	QPSK	135	138	20.26	20.33	20.23	21.7	0.0	
100	QPSK	270	0	19.98	20.18	20.04			
100	16QAM	1	1	19.77	20.03	19.97	21.7	0.0	
100	16QAM	1	1	20.22	20.29	20.27	21.7	0.0	
100	256QAM	1	1	19.97	20.20	19.96	21.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.91	20.31	19.96	21.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.89	20.31	19.94	21.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.94	20.24	20.00	21.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.93	20.26	19.90	21.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.91	20.28	20.00	21.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.93	20.23	20.00	21.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.89	20.31	19.90	21.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.95	20.25	19.98	21.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.88	20.24	19.94	21.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.94	20.26	19.91	21.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.86	20.26	20.00	21.7	0.0	

Part270 n78 Ant4									
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	17.61					
100	PI2 BPSK	1	137	17.36					0.0
100	PI2 BPSK	1	271	17.48					
100	PI2 BPSK	135	0	17.53			18.7	0.0	
100	PI2 BPSK	135	69	17.42			18.7	0.0	
100	PI2 BPSK	135	138	17.36			18.7	0.0	
100	PI2 BPSK	270	0	17.51					
100	QPSK	1	1	17.65					
100	QPSK	1	137	17.34			18.7	0.0	
100	QPSK	1	271	17.41					
100	QPSK	135	0	17.49			18.7	0.0	
100	QPSK	135	69	17.53			18.7	0.0	
100	QPSK	135	138	17.33			18.7	0.0	
100	QPSK	270	0	17.52					
100	16QAM	1	1	17.23			18.7	0.0	
100	16QAM	1	1	17.16			18.7	0.0	
100	256QAM	1	1	17.19			18.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.52	17.53	17.49	18.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.53	17.58	17.50	18.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.58	17.58	17.51	18.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.52	17.54	17.60	18.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.59	17.60	17.51	18.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.52	17.54	17.58	18.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.53	17.55	17.55	18.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.51	17.60	17.52	18.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.56	17.50	17.55	18.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.60	17.52	17.51	18.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.60	17.54	17.61	18.7	0.0	



Part270 n78 PC2 Ant4								
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		20.57			
100	PI2 BPSK	1	137		20.44		21.7	0.0
100	PI2 BPSK	1	271		20.46		21.7	0.0
100	PI2 BPSK	135	0		20.48		21.7	0.0
100	PI2 BPSK	135	69		20.46		21.7	0.0
100	PI2 BPSK	135	138		20.45		21.7	0.0
100	PI2 BPSK	270	0		20.52			
100	QPSK	1	1		20.58			
100	QPSK	1	137		20.45		21.7	0.0
100	QPSK	1	271		20.54		21.7	0.0
100	QPSK	135	0		20.48		21.7	0.0
100	QPSK	135	69		20.54		21.7	0.0
100	QPSK	135	138		20.53		21.7	0.0
100	QPSK	270	0		20.42		21.7	0.0
100	16QAM	1	1		20.47		21.7	0.0
100	16QAM	1	1		20.50		21.7	0.0
100	256QAM	1	1		20.43		21.7	0.0
Channel				649688	650000	650334		MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.42	20.49	20.49	21.7	0.0
Channel				649334	650000	650668		MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.48	20.48	20.53	21.7	0.0
Channel				649000	650000	651000		MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.48	20.47	20.44	21.7	0.0
Channel				648668	650000	651334		MPR
Frequency (MHz)				3730.02	3750	3750.01		
60	QPSK	1	1	20.50	20.47	20.42	21.7	0.0
Channel				648334	650000	651668		MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.50	20.50	20.53	21.7	0.0
Channel				648000	650000	652000		MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.52	20.43	20.45	21.7	0.0
Channel				647668	650000	652334		MPR
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	20.49	20.47	20.50	21.7	0.0
Channel				647300	650000	652500		MPR
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	20.43	20.44	20.45	21.7	0.0
Channel				647334	650000	652668		MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.48	20.49	20.52	21.7	0.0
Channel				647188	650000	652834		MPR
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	20.48	20.51	20.43	21.7	0.0
Channel				647000	650000	653000		MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	20.48	20.54	20.44	21.7	0.0



## Part270 n77 Ant8

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)				3750	3840	3930		
100	PI2 BPSK	1	1	17.60	17.78	17.51		
100	PI2 BPSK	1	137	17.84	17.69	17.72		0.0
100	PI2 BPSK	1	271	17.56	17.68	17.67		
100	PI2 BPSK	135	0	17.89	17.71	17.58	18.8	0.0
100	PI2 BPSK	135	69	17.74	17.59	17.56	18.8	0.0
100	PI2 BPSK	135	138	17.61	17.53	17.58	18.8	0.0
100	PI2 BPSK	270	0	17.55	17.88	17.58		
100	QPSK	1	1	17.86	17.87	17.78		
100	QPSK	1	137	17.87	17.88	17.77	18.8	0.0
100	QPSK	1	271	17.68	17.55	17.57		
100	QPSK	135	0	17.84	17.66	17.57	18.8	0.0
100	QPSK	135	69	17.83	17.72	17.88	18.8	0.0
100	QPSK	135	138	17.86	17.68	17.55	18.8	0.0
100	QPSK	270	0	17.68	17.73	17.57		
100	16QAM	1	1	17.59	17.54	17.60	18.8	0.0
100	16QAM	1	1	17.55	17.58	17.62	18.8	0.0
100	256QAM	1	1	17.61	17.55	17.63	18.8	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dB)	
90	QPSK	1	1	17.72	17.73	17.71	18.8	0.0
Channel				649334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dB)	
80	QPSK	1	1	17.74	17.75	17.64	18.8	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dB)	
70	QPSK	1	1	17.81	17.78	17.71	18.8	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dB)	
60	QPSK	1	1	17.73	17.82	17.65	18.8	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dB)	
50	QPSK	1	1	17.72	17.81	17.63	18.8	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dB)	
40	QPSK	1	1	17.72	17.80	17.65	18.8	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dB)	
30	QPSK	1	1	17.80	17.72	17.72	18.8	0.0
Channel				647500	650000	664500	Tune-up limit	MPR
Frequency (MHz)				3712.5	3840	3967.5	(dB)	
25	QPSK	1	1	17.73	17.74	17.68	18.8	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dB)	
20	QPSK	1	1	17.81	17.75	17.70	18.8	0.0
Channel				647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dB)	
15	QPSK	1	1	17.72	17.83	17.64	18.8	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dB)	
10	QPSK	1	1	17.71	17.79	17.73	18.8	0.0

## Part270 n77 PC2 Ant8

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)				3750	3840	3930		
100	PI2 BPSK	1	1	20.65	20.78	20.67		
100	PI2 BPSK	1	137	20.74	20.89	20.66	21.8	0.0
100	PI2 BPSK	1	271	20.61	20.88	20.69		
100	PI2 BPSK	135	0	20.65	20.79	20.73	21.8	0.0
100	PI2 BPSK	135	69	20.71	20.63	20.63	21.8	0.0
100	PI2 BPSK	135	138	20.58	20.70	20.60	21.8	0.0
100	PI2 BPSK	270	0	20.64	20.74	20.68		
100	QPSK	1	1	20.85	20.86	20.86		
100	QPSK	1	137	20.82	20.86	20.83	21.8	0.0
100	QPSK	1	271	20.59	20.68	20.68		
100	QPSK	135	0	20.67	20.70	20.61	21.8	0.0
100	QPSK	135	69	20.61	20.78	20.69	21.8	0.0
100	QPSK	135	138	20.56	20.77	20.66	21.8	0.0
100	QPSK	270	0	20.68	20.74	20.56		
100	16QAM	1	1	20.60	20.74	20.62	21.8	0.0
100	16QAM	1	1	20.57	20.87	20.73	21.8	0.0
100	256QAM	1	1	20.70	20.68	20.60	21.8	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dB)	
90	QPSK	1	1	20.52	20.73	20.51	21.8	0.0
Channel				649334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dB)	
80	QPSK	1	1	20.55	20.81	20.84	21.8	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dB)	
70	QPSK	1	1	20.61	20.75	20.61	21.8	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dB)	
60	QPSK	1	1	20.52	20.80	20.51	21.8	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dB)	
50	QPSK	1	1	20.51	20.79	20.62	21.8	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dB)	
40	QPSK	1	1	20.55	20.71	20.63	21.8	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dB)	
30	QPSK	1	1	20.68	20.79	20.65	21.8	0.0
Channel				647500	650000	664500	Tune-up limit	MPR
Frequency (MHz)				3712.5	3840	3967.5	(dB)	
25	QPSK	1	1	20.51	20.72	20.61	21.8	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dB)	
20	QPSK	1	1	20.59	20.74	20.60	21.8	0.0
Channel				647168	650000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dB)	
15	QPSK	1	1	20.56	20.71	20.66	21.8	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dB)	
10	QPSK	1	1	20.56	20.71	20.64	21.8	0.0

## Part270 n78 Ant8

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)				3750	3750	3750		
100	PI2 BPSK	1	1			18.02		
100	PI2 BPSK	1	137			17.86	18.8	0.0
100	PI2 BPSK	1	271			18.04		
100	PI2 BPSK	135	0			18.05	18.8	0.0
100	PI2 BPSK	135	69			18.03	18.8	0.0
100	PI2 BPSK	135	138			18.05	18.8	0.0
100	PI2 BPSK	270	0			18.02		
100	QPSK	1	1			18.06		
100	QPSK	1	137			17.90	18.8	0.0
100	QPSK	1	271			17.90		
100	QPSK	135	0			18.08	18.8	0.0
100	QPSK	135	69			18.03	18.8	0.0
100	QPSK	135	138			17.97	18.8	0.0
100	QPSK	270	0			18.08		
100	16QAM	1	1			17.84	18.8	0.0
100	16QAM	1	1			17.88	18.8	0.0
100	256QAM	1	1			17.88	18.8	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dB)	
90	QPSK	1	1	17.99	18.01	17.93	18.8	0.0
Channel				649334	650000	660968	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dB)	
80	QPSK	1	1	18.02	17.93	17.86	18.8	0.0
Channel				649000	650000	661000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dB)	
70	QPSK	1	1	18.04	17.99	17.94	18.8	0.0
Channel				648668	650000	661334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dB)	
60	QPSK	1	1	17.94	17.92	17.99	18.8	0.0
Channel				648334	650000	661668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dB)	
50	QPSK	1	1	17.63	17.95	17.92	18.8	0.0
Channel				647668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dB)	
40	QPSK	1	1	17.98	17.99	17.98	18.8	0.0
Channel				647668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dB)	
30	QPSK	1	1	17.93	18.03	17.86	18.8	0.0
Channel				647500	650000	662500	Tune-up limit	MPR
Frequency (MHz)				3712.5	3750	3787.5	(dB)	
25	QPSK	1	1	17.94	17.95	17.97	18.8	0.0
Channel				647334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dB)	
20	QPSK	1	1	17.98	17.95	17.97	18.8	0.0
Channel				647168	650000	662834	Tune-up limit	MPR
Frequency (								



Part270 n78 PC2 Ant8									
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		20.99				
100	PI2 BPSK	1	137		20.84		21.8	0.0	
100	PI2 BPSK	1	271		20.82		21.8	0.0	
100	PI2 BPSK	135	0		21.00		21.8	0.0	
100	PI2 BPSK	135	89		20.79		21.8	0.0	
100	PI2 BPSK	135	138		20.82		21.8	0.0	
100	PI2 BPSK	270	0		21.00		21.8	0.0	
100	QPSK	1	1		21.03				
100	QPSK	1	137		20.80		21.8	0.0	
100	QPSK	1	271		20.99				
100	QPSK	135	0		20.85		21.8	0.0	
100	QPSK	135	89		20.79		21.8	0.0	
100	QPSK	135	138		20.83		21.8	0.0	
100	QPSK	270	0		20.85		21.8	0.0	
100	16QAM	1	1		20.87		21.8	0.0	
100	16QAM	1	1		20.81		21.8	0.0	
100	256QAM	1	1		20.85		21.8	0.0	
Channel				649688	650000	650334		MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		20.88	20.89	20.89	21.8	0.0
Channel				649334	650000	650668		MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		20.93	20.99	20.98	21.8	0.0
Channel				649000	650000	651000		MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		20.97	20.95	20.89	21.8	0.0
Channel				648668	650000	651334		MPR	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		20.89	20.92	20.97	21.8	0.0
Channel				648334	650000	651668		MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		20.87	20.99	20.88	21.8	0.0
Channel				648000	650000	652000		MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		20.98	20.90	20.94	21.8	0.0
Channel				647668	650000	652334		MPR	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		20.85	20.92	20.89	21.8	0.0
Channel				647300	650000	652500		MPR	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		20.91	20.90	20.91	21.8	0.0
Channel				647334	650000	652668		MPR	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		20.92	20.89	20.96	21.8	0.0
Channel				647188	650000	652834		MPR	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		20.85	20.88	20.91	21.8	0.0
Channel				647000	650000	653000		MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		20.91	20.87	20.90	21.8	0.0



Part270 n77 Ant10									
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)				3750	3840	3930			
100	PI2 BPSK	1	1	12.46	12.58	12.37	13.7	0.0	
100	PI2 BPSK	1	137	12.38	12.37	12.18			
100	PI2 BPSK	1	271	12.26	12.40	12.39			
100	PI2 BPSK	135	0	12.40	12.61	12.37	13.7	0.0	
100	PI2 BPSK	135	69	12.28	12.46	12.40	13.7	0.0	
100	PI2 BPSK	135	138	12.26	12.41	12.25	13.7	0.0	
100	PI2 BPSK	270	0	12.31	12.40	12.48			
100	QPSK	1	1	12.67	12.66	12.67			
100	QPSK	1	137	12.20	12.37	12.26	13.7	0.0	
100	QPSK	1	271	12.21	12.37	12.24			
100	QPSK	135	0	12.58	12.48	12.60	13.7	0.0	
100	QPSK	135	69	12.64	12.65	12.53	13.7	0.0	
100	QPSK	135	138	12.37	12.34	12.37	13.7	0.0	
100	QPSK	270	0	12.44	12.61	12.57			
100	16QAM	1	1	12.17	12.20	12.22	13.7	0.0	
100	16QAM	1	1	12.35	12.32	12.31	13.7	0.0	
100	256QAM	1	1	12.30	12.34	12.34	13.7	0.0	
Channel									
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	12.59	12.56	12.58	13.7	0.0	
Channel									
Frequency (MHz)				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	12.51	12.54	12.59	13.7	0.0	
Channel									
Frequency (MHz)				645000	650000	645000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	12.52	12.53	12.60	13.7	0.0	
Channel									
Frequency (MHz)				648668	650000	648334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	12.61	12.63	12.52	13.7	0.0	
Channel									
Frequency (MHz)				648334	650000	648668	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	12.60	12.60	12.61	13.7	0.0	
Channel									
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	12.54	12.54	12.56	13.7	0.0	
Channel									
Frequency (MHz)				647668	650000	648334	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	12.57	12.61	12.63	13.7	0.0	
Channel									
Frequency (MHz)				647500	650000	645000	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	12.55	12.59	12.51	13.7	0.0	
Channel									
Frequency (MHz)				647334	650000	648668	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	12.51	12.53	12.61	13.7	0.0	
Channel									
Frequency (MHz)				647168	650000	648484	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	12.56	12.53	12.59	13.7	0.0	
Channel									
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	12.55	12.56	12.59	13.7	0.0	

Part270 n77 PC2 Ant10									
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)				3750	3840	3930			
100	PI2 BPSK	1	1	15.67	15.68	15.51			
100	PI2 BPSK	1	137	15.31	15.35	15.26	16.7	0.0	
100	PI2 BPSK	1	271	15.15	15.27	15.37			
100	PI2 BPSK	135	0	15.67	15.71	15.47	16.7	0.0	
100	PI2 BPSK	135	69	15.30	15.36	15.20	16.7	0.0	
100	PI2 BPSK	135	138	15.14	15.34	15.40	16.7	0.0	
100	PI2 BPSK	270	0	15.66	15.70	15.52			
100	QPSK	1	1	15.26	15.79	15.24			
100	QPSK	1	137	15.08	15.38	15.43	16.7	0.0	
100	QPSK	1	271	15.67	15.70	15.43			
100	QPSK	135	0	15.27	15.28	15.29	16.7	0.0	
100	QPSK	135	69	15.07	15.70	15.45	16.7	0.0	
100	QPSK	135	138	15.80	15.67	15.43	16.7	0.0	
100	QPSK	270	0	15.26	15.32	15.24			
100	16QAM	1	1	15.14	15.35	15.37	16.7	0.0	
100	16QAM	1	1	15.66	15.69	15.42	16.7	0.0	
100	256QAM	1	1	15.20	15.27	15.27	16.7	0.0	
Channel									
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	15.25	15.64	15.15	16.7	0.0	
Channel									
Frequency (MHz)				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	15.21	15.65	15.15	16.7	0.0	
Channel									
Frequency (MHz)				645000	650000	645000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	15.24	15.73	15.15	16.7	0.0	
Channel									
Frequency (MHz)				648668	650000	648334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	15.20	15.71	15.15	16.7	0.0	
Channel									
Frequency (MHz)				648334	650000	648668	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	15.20	15.73	15.15	16.7	0.0	
Channel									
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	15.23	15.72	15.16	16.7	0.0	
Channel									
Frequency (MHz)				647668	650000	648334	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	15.29	15.68	15.11	16.7	0.0	
Channel									
Frequency (MHz)				647500	650000	645000	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	15.18	15.68	15.17	16.7	0.0	
Channel									
Frequency (MHz)				647334	650000	648668	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	15.16	15.64	15.13	16.7	0.0	
Channel									
Frequency (MHz)				647168	650000	648484	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	15.17	15.64	15.12	16.7	0.0	
Channel									
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	15.14	15.64	15.18	16.7	0.0	

Part270 n78 Ant10									
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)				3750	3750	3750			
100	PI2 BPSK	1	1	13.06	13.06	13.06			
100	PI2 BPSK	1	137	13.05	13.05	13.05	13.7	0.0	
100	PI2 BPSK	1	271	12.96	12.96	12.96			
100	PI2 BPSK	135	0	12.95	12.95	12.95	13.7	0.0	
100	PI2 BPSK	135	69	13.11	13.11	13.11	13.7	0.0	
100	PI2 BPSK	135	138	13.02	13.02	13.02	13.7	0.0	
100	PI2 BPSK	270	0	12.96	12.96	12.96			
100	QPSK	1	1	13.12	13.12	13.12			
100	QPSK	1	137	12.99	12.99	12.99	13.7	0.0	
100	QPSK	1	271	13.00	13.00	13.00			
100	QPSK	135	0	12.95	12.95	12.95	13.7	0.0	
100	QPSK	135	69	13.08	13.08	13.08	13.7	0.0	
100	QPSK	135	138	12.95	12.95	12.95	13.7	0.0	
100	QPSK	270	0	13.00	13.00	13.00			
100	16QAM	1	1	12.76	12.76	12.76	13.7	0.0	
100	16QAM	1	1	12.76	12.76	12.76	13.7	0.0	
100	256QAM	1	1	12.81	12.81	12.81	13.7	0.0	
Channel									
Frequency (MHz)				648668	650000	649334	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	12.97	13.05	13.00	13.7	0.0	
Channel									
Frequency (MHz)				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	13.01	12.99	12.99	13.7	0.0	
Channel									
Frequency (MHz)				645000	650000	645000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	13.06	13.03	13.00	13.7	0.0	
Channel									
Frequency (MHz)				648668	650000	648334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	13.03	13.07	13.05	13.7	0.0	
Channel									
Frequency (MHz)				648334	650000	648668	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	13.08	13.07	13.05	13.7	0.0	
Channel									
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	13.03	12.99	12.98	13.7	0.0	
Channel									
Frequency (MHz)				647668	650000	648334	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.04	13.05	13.06	13.7	0.0	
Channel									
Frequency (MHz)				647500	650000	645000	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	13.06	13.07	13.01	13.7	0.0	
Channel									
Frequency (MHz)				647334	650000	648668	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	13.05	13.04	13.01	13.7	0.0	
Channel									
Frequency (MHz)				647168	650000	648484	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	13.04	12.98	12.98	13.7	0.0	
Channel									
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.04	13.03	12.97	13.7	0.0	



Part270 n78 PC2 Ant10								
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		16.19			
100	PI/2 BPSK	1	137		16.02		16.7	0.0
100	PI/2 BPSK	1	271		15.98			
100	PI/2 BPSK	135	0		16.14		16.7	0.0
100	PI/2 BPSK	135	69		15.93		16.7	0.0
100	PI/2 BPSK	135	138		15.89		16.7	0.0
100	PI/2 BPSK	270	0		16.13			
100	QPSK	1	1		16.21			
100	QPSK	1	137		15.91		16.7	0.0
100	QPSK	1	271		16.16			
100	QPSK	135	0		16.02		16.7	0.0
100	QPSK	135	69		16.12		16.7	0.0
100	QPSK	135	138		16.10			
100	QPSK	270	0		15.92		16.7	0.0
100	16QAM	1	1		15.89		16.7	0.0
100	16QAM	1	1		16.11		16.7	0.0
100	256QAM	1	1		15.97		16.7	0.0
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.12	16.05	16.16	16.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.12	16.16	16.07	16.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.09	16.13	16.13	16.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3730.01		
60	QPSK	1	1	16.13	16.17	16.08	16.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.13	16.11	16.08	16.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.09	16.15	16.13	16.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3725.01		
30	QPSK	1	1	16.07	16.10	16.11	16.7	0.0
Channel				647300	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.07	16.05	16.07	16.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3780.02		
20	QPSK	1	1	16.15	16.13	16.10	16.7	0.0
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.11	16.12	16.05	16.7	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.14	16.13	16.14	16.7	0.0

Full & Default & ECI4 Power\_Other PA

n38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.26	22.33	22.32			
40	PI/2 BPSK	1	53	22.45	22.45	22.45	24.0	0.0	
40	PI/2 BPSK	1	104	22.67	22.73	22.65			
40	PI/2 BPSK	50	0	21.83	21.88	21.84	23.5	0.5	
40	PI/2 BPSK	50	28	22.31	22.49	22.36	24.0	0.0	
40	PI/2 BPSK	50	56	21.94	22.05	22.02			
40	PI/2 BPSK	100	0	21.94	22.01	21.99	23.5	0.5	
40	QPSK	1	1	22.66	22.75	22.63			
40	QPSK	1	53	22.55	22.62	22.53	24.0	0.0	
40	QPSK	1	104	22.53	22.65	22.50			
40	QPSK	50	0	21.24	21.39	21.18	23.0	1.0	
40	QPSK	50	28	22.41	22.47	22.27	24.0	0.0	
40	QPSK	50	56	21.41	21.46	21.27			
40	QPSK	100	0	21.43	21.47	21.37	23.0	1.0	
40	16QAM	1	1	21.07	21.07	21.12	23.0	1.0	
40	64QAM	1	1	19.85	19.64	19.62	21.5	2.5	
40	256QAM	1	1	18.15	18.26	18.22	19.5	4.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.55	22.64	22.55	24.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.55	22.65	22.57	24.0	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.56	22.66	22.55	24.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.54	22.67	22.55	24.0	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.53	22.65	22.56	24.0	0.0	

n41 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.43	22.59	22.58			
100	PI/2 BPSK	1	137	22.52	22.66	22.62	24.0	0.0	
100	PI/2 BPSK	1	271	22.46	22.47	22.33			
100	PI/2 BPSK	135	0	22.26	22.39	22.26	23.5	0.5	
100	PI/2 BPSK	135	69	22.70	22.69	22.68	24.0	0.0	
100	PI/2 BPSK	135	138	22.43	22.50	22.51			
100	PI/2 BPSK	270	0	22.35	22.57	22.48	23.5	0.5	
100	QPSK	1	1	22.66	22.77	22.55			
100	QPSK	1	137	22.42	22.62	22.54	24.0	0.0	
100	QPSK	1	271	22.45	22.46	22.38			
100	QPSK	135	0	22.26	22.39	22.32	23.0	1.0	
100	QPSK	135	69	22.48	22.68	22.66	24.0	0.0	
100	QPSK	135	138	22.41	22.48	22.44			
100	QPSK	270	0	22.39	22.46	22.37	23.0	1.0	
100	16QAM	1	1	22.24	22.31	22.30	23.0	1.0	
100	64QAM	1	1	21.24	21.20	21.12	21.5	2.5	
100	256QAM	1	1	18.11	18.11	18.10	19.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.44	22.65	22.62	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.51	22.62	22.61	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.48	22.66	22.56	24.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.49	22.64	22.60	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.43	22.64	22.55	24.0	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.45	22.70	22.55	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.48	22.67	22.56	24.0	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.44	22.66	22.58	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.49	22.67	22.54	24.0	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2506.51	2592.99	2677.5			
25	QPSK	1	1	22.52	22.67	22.55	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.44	22.62	22.56	24.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.42	22.67	22.58	24.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.49	22.68	22.56	24.0	0.0	



n2 Ant1									
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)									
40	PI2 BPSK	1	1	23.31	23.39	23.26			
40	PI2 BPSK	1	108	23.19	23.33	23.12	24.0	0.0	
40	PI2 BPSK	1	214	23.21	23.32	23.32			
40	PI2 BPSK	108	0	22.92	23.01	23.02	23.5	0.5	
40	PI2 BPSK	108	54	23.42	23.42	23.32	24.0	0.0	
40	PI2 BPSK	108	108	22.81	22.95	22.90	23.5	0.5	
40	PI2 BPSK	216	0	22.96	22.95	22.94			
40	QPSK	1	1	23.42	23.46	23.39			
40	QPSK	1	108	23.22	23.30	23.20	24.0	0.0	
40	QPSK	1	214	23.28	23.33	23.16			
40	QPSK	108	0	22.27	22.34	22.30	23.0	1.0	
40	QPSK	108	54	23.43	23.44	23.34	24.0	0.0	
40	QPSK	108	108	22.41	22.41	22.34	23.0	1.0	
40	QPSK	216	0	22.23	22.45	22.41			
40	16QAM	1	1	22.08	22.14	21.98	23.0	1.0	
40	16QAM	1	1	20.55	20.69	20.55	21.5	2.5	
40	256QAM	1	1	19.08	19.19	19.14	19.5	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	23.36	23.35	23.28	0.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.32	23.39	23.27	0.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.36	23.40	23.28	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.37	23.39	23.31	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.32	23.34	23.32	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.34	23.35	23.31	19.0	2.5	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.35	23.36	23.33	19.0	2.5	

n7 Ant1									
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)									
50	PI2 BPSK	1	1	23.20	23.23	23.11			
50	PI2 BPSK	1	135	23.33	23.50	23.52			
50	PI2 BPSK	1	268	23.25	23.28	23.24	24.0	0.0	
50	PI2 BPSK	135	0	22.97	22.95	22.91	23.5	0.5	
50	PI2 BPSK	135	68	23.35	23.47	23.48	24.0	0.0	
50	PI2 BPSK	135	135	22.92	23.01	23.02	23.5	0.5	
50	PI2 BPSK	270	0	22.81	23.03	22.80			
50	QPSK	1	1	23.50	23.55	23.48			
50	QPSK	1	135	23.37	23.42	23.21	24.0	0.0	
50	QPSK	1	268	23.24	23.34	23.32			
50	QPSK	135	0	22.26	22.48	22.42	23.0	1.0	
50	QPSK	135	68	23.41	23.52	23.38	24.0	0.0	
50	QPSK	135	135	22.36	22.47	22.32	23.0	1.0	
50	QPSK	270	0	22.43	22.52	22.31			
50	16QAM	1	1	22.06	22.06	22.00	23.0	1.0	
50	16QAM	1	1	20.55	20.62	20.45	21.5	2.5	
50	256QAM	1	1	19.19	19.18	19.04	19.5	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.45	23.48	23.44	24.0	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	23.40	23.50	23.45	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.38	23.46	23.37	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.38	23.47	23.44	24.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	23.44	23.43	23.39	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.43	23.49	23.45	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.48	23.44	23.41	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.42	23.51	23.38	24.0	0.0	

n66 Ant1									
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)									
40	PI2 BPSK	1	1	23.28	23.43	23.40			
40	PI2 BPSK	1	108	23.25	23.38	23.20	24.0	0.0	
40	PI2 BPSK	1	214	23.24	23.34	23.28			
40	PI2 BPSK	108	0	22.84	23.05	22.85	23.5	0.5	
40	PI2 BPSK	108	54	23.30	23.49	23.36	24.0	0.0	
40	PI2 BPSK	108	108	22.86	22.92	22.73	23.5	0.5	
40	PI2 BPSK	216	0	22.86	22.93	22.91			
40	QPSK	1	1	23.46	23.51	23.46			
40	QPSK	1	108	23.33	23.41	23.36	24.0	0.0	
40	QPSK	1	214	23.37	23.36	23.22			
40	QPSK	108	0	22.47	22.52	22.43	23.0	1.0	
40	QPSK	108	54	23.31	23.48	23.46	24.0	0.0	
40	QPSK	108	108	22.33	22.37	22.36	23.0	1.0	
40	QPSK	216	0	22.37	22.41	22.35			
40	16QAM	1	1	22.17	22.21	22.03	23.0	1.0	
40	16QAM	1	1	20.76	20.74	20.81	21.5	2.5	
40	256QAM	1	1	19.15	19.31	19.14	19.5	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	23.38	23.43	23.36	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.45	23.49	23.39	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.37	23.48	23.43	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.39	23.45	23.35	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.38	23.46	23.40	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.39	23.46	23.40	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.42	23.50	23.40	24.0	0.0	

n38 Ant1									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.34	22.43	22.36			
40	PI/2 BPSK	1	53	22.11	22.29	22.30	24.0	0.0	
40	PI/2 BPSK	1	104	22.27	22.34	22.25			
40	PI/2 BPSK	50	0	21.20	21.68	21.51	23.5	0.5	
40	PI/2 BPSK	50	28	22.14	22.23	22.23	24.0	0.0	
40	PI/2 BPSK	50	56	21.61	21.81	21.75			
40	PI/2 BPSK	100	0	21.73	21.79	21.82	23.5	0.5	
40	QPSK	1	1	22.45	22.59	22.48			
40	QPSK	1	53	22.12	22.35	22.38	24.0	0.0	
40	QPSK	1	104	22.13	22.23	22.04			
40	QPSK	50	0	21.02	21.14	21.09	23.0	1.0	
40	QPSK	50	28	22.26	22.45	22.38	24.0	0.0	
40	QPSK	50	56	21.22	21.25	21.05			
40	QPSK	100	0	21.28	21.43	21.23	23.0	1.0	
40	16QAM	1	1	21.36	21.48	21.31	23.0	1.0	
40	64QAM	1	1	20.10	20.05	20.10	21.5	2.5	
40	256QAM	1	1	18.02	18.03	18.09	19.5	4.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.13	22.15	22.10	24.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.08	22.19	22.12	24.0	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.10	22.22	22.15	24.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.15	22.17	22.13	24.0	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.13	22.12	22.12	24.0	0.0	

n41 Ant1									
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	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.36	23.43	23.41			
100	PI/2 BPSK	1	137	23.28	23.38	23.33	24.0	0.0	
100	PI/2 BPSK	1	271	23.29	23.27	23.08			
100	PI/2 BPSK	135	0	23.16	23.21	23.15	23.5	0.5	
100	PI/2 BPSK	135	69	23.37	23.41	23.23	24.0	0.0	
100	PI/2 BPSK	135	138	23.12	23.28	23.28			
100	PI/2 BPSK	270	0	23.34	23.37	23.35	23.5	0.5	
100	QPSK	1	1	23.34	23.45	23.41			
100	QPSK	1	137	23.22	23.36	23.19	24.0	0.0	
100	QPSK	1	271	23.15	23.25	23.06			
100	QPSK	135	0	22.08	22.22	22.12	23.0	1.0	
100	QPSK	135	69	23.40	23.41	23.21	24.0	0.0	
100	QPSK	135	138	22.16	22.24	22.14			
100	QPSK	270	0	22.16	22.34	22.13	23.0	1.0	
100	16QAM	1	1	22.26	22.38	22.35	23.0	1.0	
100	64QAM	1	1	20.77	20.92	20.89	21.5	2.5	
100	256QAM	1	1	18.97	18.99	18.95	19.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.23	23.41	23.29	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.25	23.34	23.35	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.29	23.35	23.37	24.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.21	23.36	23.33	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.30	23.37	23.36	24.0	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	23.31	23.34	23.37	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.26	23.35	23.31	24.0	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	23.27	23.36	23.36	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.23	23.33	23.36	24.0	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	23.28	23.32	23.36	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.26	23.36	23.30	24.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.24	23.34	23.29	24.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.25	23.34	23.37	24.0	0.0	

n2 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									
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	22.72	22.88	22.79			
40	PI2 BPSK	1	108	22.84	22.87	22.90	24.0	0.0	
40	PI2 BPSK	1	214	22.81	22.82	22.87			
40	PI2 BPSK	108	0	22.39	22.49	22.36	23.5	0.5	
40	PI2 BPSK	108	54	22.84	22.97	22.92	24.0	0.0	
40	PI2 BPSK	108	108	22.46	22.50	22.32	23.5	0.5	
40	PI2 BPSK	216	0	22.52	22.52	22.55			
40	QPSK	1	1	22.95	22.98	22.87			
40	QPSK	1	108	22.70	22.92	22.73	24.0	0.0	
40	QPSK	1	214	22.72	22.93	22.82			
40	QPSK	108	0	21.92	21.95	21.80	23.0	1.0	
40	QPSK	108	54	22.81	22.93	22.74	24.0	0.0	
40	QPSK	108	108	21.86	21.96	21.80	23.0	1.0	
40	QPSK	216	0	21.95	21.95	21.85			
40	16QAM	1	1	21.68	21.64	21.60	23.0	1.0	
40	16QAM	1	1	20.13	20.22	20.07	21.5	2.5	
40	256QAM	1	1	18.80	18.73	18.65	19.5	4.5	
Channel									
Frequency (MHz)				376500	376600	376700			
35	QPSK	1	1	22.89	22.86	22.84	0.0	0.0	
Channel									
Frequency (MHz)				379000	379000	379000			
30	QPSK	1	1	22.85	22.92	22.81	0.0	0.0	
Channel									
Frequency (MHz)				379500	379500	379500			
25	QPSK	1	1	22.84	22.90	22.80	24.0	0.0	
Channel									
Frequency (MHz)				376000	376000	376000			
20	QPSK	1	1	22.85	22.88	22.82	24.0	0.0	
Channel									
Frequency (MHz)				376500	376000	380500			
15	QPSK	1	1	1827.5	1880	1922.5	(dBm)		
Channel									
Frequency (MHz)				1860	1880	1900			
10	QPSK	1	1	22.82	22.89	22.83	19.0	2.5	
Channel									
Frequency (MHz)				376500	376000	381500			
5	QPSK	1	1	22.84	22.85	22.81	19.0	2.5	

n7 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									
Frequency (MHz)				2625	2635	2645			
50	PI2 BPSK	1	1	22.65	22.78	22.70			
50	PI2 BPSK	1	135	23.05	23.03	22.91	24.0	0.0	
50	PI2 BPSK	1	268	22.71	22.82	22.83			
50	PI2 BPSK	135	0	22.48	22.47	22.48	23.5	0.5	
50	PI2 BPSK	135	68	23.01	23.02	22.99	24.0	0.0	
50	PI2 BPSK	135	135	22.50	22.49	22.28	23.5	0.5	
50	PI2 BPSK	270	0	22.41	22.55	22.46			
50	QPSK	1	1	23.04	23.08	23.01			
50	QPSK	1	135	22.95	23.03	22.94	24.0	0.0	
50	QPSK	1	268	22.73	22.85	22.68			
50	QPSK	135	0	21.98	22.03	22.04	23.0	1.0	
50	QPSK	135	68	22.81	23.03	22.89	24.0	0.0	
50	QPSK	135	135	21.94	21.98	21.77	23.0	1.0	
50	QPSK	270	0	22.04	22.06	21.96			
50	16QAM	1	1	21.87	21.61	21.47	23.0	1.0	
50	16QAM	1	1	20.07	20.18	20.17	21.5	2.5	
50	256QAM	1	1	18.75	18.89	18.66	19.5	4.5	
Channel									
Frequency (MHz)				503000	507000	510500			
40	QPSK	1	1	22.95	23.01	22.97	24.0	0.0	
Channel									
Frequency (MHz)				503000	507000	510500			
35	QPSK	1	1	22.97	23.01	22.91	24.0	0.0	
Channel									
Frequency (MHz)				503000	507000	511000			
30	QPSK	1	1	22.95	22.98	22.94	24.0	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	23.01	22.98	22.91	24.0	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	22.92	22.88	22.85	24.0	0.0	
Channel									
Frequency (MHz)				2612.5	2635	2657.5			
15	QPSK	1	1	22.96	23.04	22.93	24.0	0.0	
Channel									
Frequency (MHz)				501000	507000	513000			
10	QPSK	1	1	22.98	23.02	22.91	24.0	0.0	
Channel									
Frequency (MHz)				505000	507000	513500			
5	QPSK	1	1	22.91	22.95	22.87	24.0	0.0	

n66 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									
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.87	23.03	22.91			
40	PI2 BPSK	1	108	22.82	22.92	22.74	24.0	0.0	
40	PI2 BPSK	1	214	22.74	22.83	22.68			
40	PI2 BPSK	108	0	22.43	22.54	22.33	23.5	0.5	
40	PI2 BPSK	108	54	22.89	23.03	22.85	24.0	0.0	
40	PI2 BPSK	108	108	22.16	22.35	22.29	23.5	0.5	
40	PI2 BPSK	216	0	22.30	22.47	22.31			
40	QPSK	1	1	23.11	23.15	23.02			
40	QPSK	1	108	22.85	22.96	22.83	24.0	0.0	
40	QPSK	1	214	22.60	22.82	22.80			
40	QPSK	108	0	21.83	22.04	22.05	23.0	1.0	
40	QPSK	108	54	22.93	23.08	23.02	24.0	0.0	
40	QPSK	108	108	21.76	21.84	21.76	23.0	1.0	
40	QPSK	216	0	21.84	21.93	21.89			
40	16QAM	1	1	21.82	21.79	21.83	23.0	1.0	
40	16QAM	1	1	20.22	20.32	20.29	21.5	2.5	
40	256QAM	1	1	18.89	18.93	18.92	19.5	4.5	
Channel									
Frequency (MHz)				345000	349000	352500			
35	QPSK	1	1	23.00	23.05	22.97	24.0	0.0	
Channel									
Frequency (MHz)				345000	349000	353000			
30	QPSK	1	1	22.93	23.03	22.94	24.0	0.0	
Channel									
Frequency (MHz)				344500	349000	353500			
25	QPSK	1	1	22.92	23.05	22.88	24.0	0.0	
Channel									
Frequency (MHz)				344000	349000	354000			
20	QPSK	1	1	22.99	23.04	22.94	24.0	0.0	
Channel									
Frequency (MHz)				343500	349000	354500			
15	QPSK	1	1	1717.5	1745	1772.5	(dBm)		
Channel									
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.95	23.04	22.89	24.0	0.0	
Channel									
Frequency (MHz)				342500	349000	355000			
5	QPSK	1	1	22.98	22.97	22.92	24.0	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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.87	22.93	22.91			
40	PI/2 BPSK	1	53	23.03	23.10	23.09	24.0	0.0	
40	PI/2 BPSK	1	104	23.02	23.08	23.10			
40	PI/2 BPSK	50	0	22.48	22.50	22.36	23.5	0.5	
40	PI/2 BPSK	50	28	23.03	23.07	22.97	24.0	0.0	
40	PI/2 BPSK	50	56	22.55	22.66	22.45			
40	PI/2 BPSK	100	0	22.61	22.58	22.37	23.5	0.5	
40	QPSK	1	1	22.93	23.12	22.89			
40	QPSK	1	53	22.93	23.06	22.91	24.0	0.0	
40	QPSK	1	104	22.90	23.09	23.07			
40	QPSK	50	0	21.98	21.99	21.77	23.0	1.0	
40	QPSK	50	28	22.92	23.08	23.06	24.0	0.0	
40	QPSK	50	56	21.84	22.04	21.92			
40	QPSK	100	0	21.83	22.02	21.92	23.0	1.0	
40	16QAM	1	1	21.53	21.62	21.68	23.0	1.0	
40	64QAM	1	1	20.15	20.18	20.21	21.5	2.5	
40	256QAM	1	1	18.68	18.79	18.82	19.5	4.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.00	23.03	22.97	24.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.91	22.98	22.93	24.0	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.94	22.98	22.94	24.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.94	22.97	22.97	24.0	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.00	23.04	22.94	24.0	0.0	

n41 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	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.99	23.10	23.12			
100	PI/2 BPSK	1	137	22.92	23.12	23.15	24.0	0.0	
100	PI/2 BPSK	1	271	23.00	23.08	22.90			
100	PI/2 BPSK	135	0	22.89	22.90	22.80	23.5	0.5	
100	PI/2 BPSK	135	69	22.94	23.13	23.10	24.0	0.0	
100	PI/2 BPSK	135	138	23.05	23.11	23.13			
100	PI/2 BPSK	270	0	23.09	23.08	23.08			
100	QPSK	1	1	23.09	23.18	23.12			
100	QPSK	1	137	23.11	23.09	23.00	24.0	0.0	
100	QPSK	1	271	22.82	23.03	22.85			
100	QPSK	135	0	22.90	22.91	22.79	23.0	1.0	
100	QPSK	135	69	23.11	23.15	22.97	24.0	0.0	
100	QPSK	135	138	22.01	22.14	22.07			
100	QPSK	270	0	22.19	22.21	22.07	23.0	1.0	
100	16QAM	1	1	22.88	22.81	22.75	23.0	1.0	
100	64QAM	1	1	20.64	20.73	20.61	21.5	2.5	
100	256QAM	1	1	18.70	18.84	18.47	19.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2544	2592.99	2644.98			
90	QPSK	1	1	22.97	23.05	22.89	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.00	23.00	22.96	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.91	22.98	22.95	24.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.91	23.04	22.90	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.94	22.99	22.93	24.0	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.91	22.96	22.96	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.99	23.03	22.97	24.0	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.98	23.00	22.95	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.92	23.02	22.91	24.0	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.92	23.00	22.90	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.98	23.03	22.96	24.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.92	22.98	22.97	24.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.00	23.02	22.91	24.0	0.0	

n38 Ant9									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.41	23.38	23.26	24.0	0.0	
40	PI/2 BPSK	1	53	23.48	23.54	23.54			
40	PI/2 BPSK	1	104	23.41	23.60	23.53			
40	PI/2 BPSK	50	0	22.93	22.96	22.91	23.5	0.5	
40	PI/2 BPSK	50	28	23.29	23.51	23.34	24.0	0.0	
40	PI/2 BPSK	50	56	23.11	23.12	23.10	23.5	0.5	
40	PI/2 BPSK	100	0	22.89	23.02	22.80			
40	QPSK	1	1	23.59	23.68	23.64	24.0	0.0	
40	QPSK	1	53	23.52	23.58	23.61			
40	QPSK	1	104	23.55	23.66	23.56			
40	QPSK	50	0	22.31	22.44	22.22	23.0	1.0	
40	QPSK	50	28	23.36	23.52	23.36	24.0	0.0	
40	QPSK	50	56	22.29	22.51	22.32	23.0	1.0	
40	QPSK	100	0	22.41	22.48	22.29			
40	16QAM	1	1	21.98	22.08	22.04	23.0	1.0	
40	64QAM	1	1	20.71	20.66	20.68	21.5	2.5	
40	256QAM	1	1	19.18	19.23	19.10	19.5	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	24.0	0.0	
30	QPSK	1	1	23.53	23.63	23.60	24.0	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	24.0	0.0	
25	QPSK	1	1	23.52	23.58	23.55	24.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	24.0	0.0	
20	QPSK	1	1	23.48	23.55	23.58	24.0	0.0	
Channel				516502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	24.0	0.0	
15	QPSK	1	1	23.52	23.56	23.52	24.0	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	24.0	0.0	
10	QPSK	1	1	23.49	23.62	23.54	24.0	0.0	

n41 Ant9									
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	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.57	23.67	23.60	24.0	0.0	
100	PI/2 BPSK	1	137	23.50	23.69	23.62			
100	PI/2 BPSK	1	271	23.48	23.59	23.42			
100	PI/2 BPSK	135	0	22.86	23.05	22.83	23.5	0.5	
100	PI/2 BPSK	135	69	23.49	23.67	23.45	24.0	0.0	
100	PI/2 BPSK	135	138	23.16	23.16	22.95	23.5	0.5	
100	PI/2 BPSK	270	0	23.00	23.21	23.23			
100	QPSK	1	1	23.63	23.71	23.69	24.0	0.0	
100	QPSK	1	137	23.43	23.66	23.58			
100	QPSK	1	271	23.34	23.56	23.50			
100	QPSK	135	0	22.59	22.69	22.71	23.0	1.0	
100	QPSK	135	69	23.63	23.65	23.53	24.0	0.0	
100	QPSK	135	138	22.66	22.74	22.83	23.0	1.0	
100	QPSK	270	0	22.55	22.69	22.67			
100	16QAM	1	1	22.61	22.58	22.46	23.0	1.0	
100	64QAM	1	1	21.10	21.16	21.06	21.5	2.5	
100	256QAM	1	1	19.18	19.25	19.16	19.5	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	24.0	0.0	
90	QPSK	1	1	23.48	23.58	23.52	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	24.0	0.0	
80	QPSK	1	1	23.49	23.58	23.55	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	24.0	0.0	
70	QPSK	1	1	23.55	23.55	23.55	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	24.0	0.0	
60	QPSK	1	1	23.54	23.60	23.59	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	0.0	
50	QPSK	1	1	23.52	23.59	23.59	24.0	0.0	
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48	24.0	0.0	
45	QPSK	1	1	23.52	23.61	23.60	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	24.0	0.0	
40	QPSK	1	1	23.48	23.55	23.51	24.0	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49	24.0	0.0	
35	QPSK	1	1	23.55	23.61	23.52	24.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	24.0	0.0	
30	QPSK	1	1	23.52	23.59	23.60	24.0	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5	24.0	0.0	
25	QPSK	1	1	23.54	23.59	23.60	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	24.0	0.0	
20	QPSK	1	1	23.51	23.65	23.60	24.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	24.0	0.0	
15	QPSK	1	1	23.56	23.59	23.59	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	24.0	0.0	
10	QPSK	1	1	23.53	23.62	23.52	24.0	0.0	

Reduced Power Mode for EC12\_Other PA

n38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.26	22.33	22.32			
40	PI/2 BPSK	1	53	22.45	22.45	22.45	24.0	0.0	
40	PI/2 BPSK	1	104	22.67	22.73	22.65			
40	PI/2 BPSK	50	0	21.83	21.88	21.84	23.5	0.5	
40	PI/2 BPSK	50	28	22.31	22.49	22.36	24.0	0.0	
40	PI/2 BPSK	50	56	21.94	22.05	22.02			
40	PI/2 BPSK	100	0	21.94	22.01	21.99	23.5	0.5	
40	QPSK	1	1	22.66	22.75	22.63			
40	QPSK	1	53	22.55	22.62	22.53	24.0	0.0	
40	QPSK	1	104	22.53	22.65	22.50			
40	QPSK	50	0	21.24	21.39	21.18	23.0	1.0	
40	QPSK	50	28	22.41	22.47	22.27	24.0	0.0	
40	QPSK	50	56	21.41	21.46	21.27			
40	QPSK	100	0	21.43	21.47	21.37	23.0	1.0	
40	16QAM	1	1	21.07	21.07	21.12	23.0	1.0	
40	64QAM	1	1	19.85	19.64	19.62	21.5	2.5	
40	256QAM	1	1	18.15	18.26	18.22	19.5	4.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.55	22.64	22.55	24.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.55	22.65	22.57	24.0	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.56	22.66	22.55	24.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.54	22.67	22.55	24.0	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.53	22.65	22.56	24.0	0.0	

n41 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.43	22.59	22.58			
100	PI/2 BPSK	1	137	22.52	22.66	22.62	24.0	0.0	
100	PI/2 BPSK	1	271	22.46	22.47	22.33			
100	PI/2 BPSK	135	0	22.26	22.39	22.26	23.5	0.5	
100	PI/2 BPSK	135	69	22.70	22.69	22.68	24.0	0.0	
100	PI/2 BPSK	135	138	22.43	22.50	22.51			
100	PI/2 BPSK	270	0	22.35	22.57	22.48	23.5	0.5	
100	QPSK	1	1	22.66	22.77	22.55			
100	QPSK	1	137	22.42	22.62	22.54	24.0	0.0	
100	QPSK	1	271	22.45	22.46	22.38			
100	QPSK	135	0	22.26	22.39	22.32	23.0	1.0	
100	QPSK	135	69	22.48	22.68	22.66	24.0	0.0	
100	QPSK	135	138	22.41	22.48	22.44			
100	QPSK	270	0	22.39	22.46	22.37	23.0	1.0	
100	16QAM	1	1	22.24	22.31	22.30	23.0	1.0	
100	64QAM	1	1	21.24	21.20	21.12	21.5	2.5	
100	256QAM	1	1	18.11	18.11	18.10	19.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.44	22.65	22.62	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.51	22.62	22.61	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.48	22.66	22.56	24.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.49	22.64	22.60	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.43	22.64	22.55	24.0	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.45	22.70	22.55	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.48	22.67	22.56	24.0	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.44	22.66	22.58	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.49	22.67	22.54	24.0	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2506.51	2592.99	2677.5			
25	QPSK	1	1	22.52	22.67	22.55	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.44	22.62	22.56	24.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.42	22.67	22.58	24.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.49	22.68	22.56	24.0	0.0	



n2 Ant1										
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)										
40	PI2 BPSK	1	1	15.06	15.17	15.07				
40	PI2 BPSK	1	108	15.15	15.15	15.03				
40	PI2 BPSK	1	214	15.07	15.13	15.08				
40	PI2 BPSK	108	0	15.16	15.11	15.05	16.3	0.0		
40	PI2 BPSK	108	54	15.07	15.17	15.11	16.3	0.0		
40	PI2 BPSK	108	108	15.12	15.22	15.09	16.3	0.0		
40	PI2 BPSK	216	0	15.09	15.21	15.08				
40	QPSK	1	1	15.17	15.29	15.09				
40	QPSK	1	108	15.10	15.20	15.12	16.3	0.0		
40	QPSK	1	214	15.17	15.13	15.12				
40	QPSK	108	0	15.09	15.19	15.06	16.3	0.0		
40	QPSK	108	54	15.09	15.21	15.14	16.3	0.0		
40	QPSK	108	108	15.17	15.12	15.13	16.3	0.0		
40	QPSK	216	0	15.15	15.18	15.04				
40	16QAM	1	1	15.17	15.18	15.04	16.3	0.0		
40	16QAM	1	1	15.06	15.20	15.09	16.3	0.0		
40	256QAM	1	1	15.14	15.15	15.09	16.3	0.0		
Channel										
Frequency (MHz)										
35	QPSK	1	1	15.16	15.18	15.10	0.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	15.17	15.20	15.09	0.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	15.05	15.16	15.17	16.3	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	15.06	15.23	15.10	16.3	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	15.05	15.13	15.09	16.3	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	15.04	15.19	15.13	16.3	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	1	15.06	15.16	15.01	16.3	0.0		

n7 Ant1										
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)										
50	PI2 BPSK	1	1	16.68	16.68	16.71				
50	PI2 BPSK	1	135	16.77	16.73	16.66				
50	PI2 BPSK	1	268	16.69	16.72	16.71	18.1	0.0		
50	PI2 BPSK	135	0	16.75	16.78	16.68	18.1	0.0		
50	PI2 BPSK	135	68	16.71	16.76	16.71	18.1	0.0		
50	PI2 BPSK	135	135	16.77	16.76	16.70	18.1	0.0		
50	PI2 BPSK	270	0	16.76	16.73	16.68				
50	QPSK	1	1	16.76	16.91	16.84				
50	QPSK	1	135	16.67	16.70	16.70	18.1	0.0		
50	QPSK	1	268	16.70	16.82	16.82				
50	QPSK	135	0	16.74	16.73	16.73	18.1	0.0		
50	QPSK	135	68	16.74	16.83	16.67	18.1	0.0		
50	QPSK	135	135	16.69	16.80	16.74	18.1	0.0		
50	QPSK	270	0	16.72	16.76	16.65				
50	16QAM	1	1	16.78	16.71	16.69	18.1	0.0		
50	16QAM	1	1	16.75	16.75	16.68	18.1	0.0		
50	256QAM	1	1	16.69	16.82	16.63	18.1	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	16.67	16.70	16.61	18.1	0.0		
Channel										
Frequency (MHz)										
35	QPSK	1	1	16.78	16.76	16.72	18.1	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	16.81	16.78	16.71	18.1	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	16.73	16.71	16.82	18.1	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	16.69	16.79	16.74	18.1	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	16.69	16.79	16.74	18.1	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	16.65	16.69	16.71	18.1	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	16.70	16.79	16.66	18.1	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	16.73	16.71	16.63	18.1	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	1	16.68	16.68	16.61	18.1	0.0		

n66 Ant1										
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)										
40	PI2 BPSK	1	1	16.66	16.76	16.62				
40	PI2 BPSK	1	108	16.61	16.78	16.71				
40	PI2 BPSK	1	214	16.65	16.69	16.60				
40	PI2 BPSK	108	0	16.58	16.73	16.70	18.0	0.0		
40	PI2 BPSK	108	54	16.61	16.75	16.70	18.0	0.0		
40	PI2 BPSK	108	108	16.61	16.68	16.71	18.0	0.0		
40	PI2 BPSK	216	0	16.70	16.68	16.59				
40	QPSK	1	1	16.66	16.79	16.60				
40	QPSK	1	108	16.71	16.65	16.68	18.0	0.0		
40	QPSK	1	214	16.55	16.69	16.60				
40	QPSK	108	0	16.63	16.84	16.72	18.0	0.0		
40	QPSK	108	54	16.62	16.76	16.71	18.0	0.0		
40	QPSK	108	108	16.56	16.71	16.62	18.0	0.0		
40	QPSK	216	0	16.63	16.73	16.72	18.0	0.0		
40	16QAM	1	1	16.57	16.74	16.65	18.0	0.0		
40	16QAM	1	1	16.60	16.68	16.68	18.0	0.0		
40	256QAM	1	1	16.70	16.75	16.63	18.0	0.0		
Channel										
Frequency (MHz)										
35	QPSK	1	1	16.59	16.69	16.73	18.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	16.61	16.78	16.71	18.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	16.62	16.75	16.59	18.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	16.68	16.64	16.61	18.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	16.55	16.68	16.72	18.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	16.62	16.69	16.59	18.0	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	1	16.61	16.76	16.66	18.0	0.0		

n38 Ant1									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	17.45	17.40	17.40			
40	PI/2 BPSK	1	53	17.39	17.35	17.49	19.3	0.0	
40	PI/2 BPSK	1	104	17.40	17.36	17.42			
40	PI/2 BPSK	50	0	17.40	17.43	17.42	19.3	0.0	
40	PI/2 BPSK	50	28	17.43	17.43	17.48	19.3	0.0	
40	PI/2 BPSK	50	56	17.40	17.38	17.32			
40	PI/2 BPSK	100	0	17.41	17.33	17.46	19.3	0.0	
40	QPSK	1	1	17.49	17.49	17.32			
40	QPSK	1	53	17.48	17.39	17.33	19.3	0.0	
40	QPSK	1	104	17.31	17.39	17.32			
40	QPSK	50	0	17.42	17.33	17.42	19.3	0.0	
40	QPSK	50	28	17.40	17.47	17.41	19.3	0.0	
40	QPSK	50	56	17.38	17.46	17.34			
40	QPSK	100	0	17.34	17.45	17.42	19.3	0.0	
40	16QAM	1	1	17.31	17.36	17.32	19.3	0.0	
40	64QAM	1	1	17.38	17.42	17.42	19.3	0.0	
40	256QAM	1	1	17.48	17.41	17.40	19.3	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	19.3	0.0	
30	QPSK	1	1	17.37	17.39	17.33	19.3	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	19.3	0.0	
25	QPSK	1	1	17.32	17.45	17.43	19.3	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	19.3	0.0	
20	QPSK	1	1	17.47	17.47	17.45	19.3	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	19.3	0.0	
15	QPSK	1	1	17.47	17.42	17.33	19.3	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	19.3	0.0	
10	QPSK	1	1	17.49	17.45	17.32	19.3	0.0	

n41 Ant1									
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	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.88	17.96	17.88			
100	PI/2 BPSK	1	137	17.76	17.91	17.83	19.3	0.0	
100	PI/2 BPSK	1	271	17.88	17.91	17.85			
100	PI/2 BPSK	135	0	17.78	17.90	17.86	19.3	0.0	
100	PI/2 BPSK	135	69	17.82	18.00	17.93	19.3	0.0	
100	PI/2 BPSK	135	138	17.78	17.99	17.98			
100	PI/2 BPSK	270	0	17.77	17.90	17.93	19.3	0.0	
100	QPSK	1	1	17.78	18.01	17.87			
100	QPSK	1	137	17.87	17.93	17.88	19.3	0.0	
100	QPSK	1	271	17.87	17.98	17.85			
100	QPSK	135	0	17.81	17.97	17.91	19.3	0.0	
100	QPSK	135	69	17.81	17.99	17.86	19.3	0.0	
100	QPSK	135	138	17.80	17.95	17.92			
100	QPSK	270	0	17.86	17.89	17.85	19.3	0.0	
100	16QAM	1	1	17.78	17.89	17.89	19.3	0.0	
100	64QAM	1	1	17.89	18.00	17.83	19.3	0.0	
100	256QAM	1	1	17.78	17.98	17.93	19.3	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	19.3	0.0	
90	QPSK	1	1	17.85	17.93	17.98	19.3	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	19.3	0.0	
80	QPSK	1	1	17.77	17.93	17.87	19.3	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	19.3	0.0	
70	QPSK	1	1	17.92	18.00	17.93	19.3	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	19.3	0.0	
60	QPSK	1	1	17.79	17.99	17.98	19.3	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	19.3	0.0	
50	QPSK	1	1	17.77	17.98	17.88	19.3	0.0	
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48	19.3	0.0	
45	QPSK	1	1	17.88	17.96	17.90	19.3	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	19.3	0.0	
40	QPSK	1	1	17.84	17.95	17.88	19.3	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49	19.3	0.0	
35	QPSK	1	1	17.78	18.00	17.94	19.3	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	19.3	0.0	
30	QPSK	1	1	17.77	17.89	17.91	19.3	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5	19.3	0.0	
25	QPSK	1	1	17.92	17.98	17.90	19.3	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	19.3	0.0	
20	QPSK	1	1	17.81	17.97	17.95	19.3	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	19.3	0.0	
15	QPSK	1	1	17.90	17.92	17.94	19.3	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	19.3	0.0	
10	QPSK	1	1	17.78	18.00	17.94	19.3	0.0	

n2 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				376000	376000	376000			
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	22.72	22.88	22.79			
40	PI2 BPSK	1	108	22.84	22.87	22.90	24.0	0.0	
40	PI2 BPSK	1	214	22.81	22.82	22.87			
40	PI2 BPSK	108	0	22.39	22.49	22.36	23.5	0.5	
40	PI2 BPSK	108	54	22.84	22.97	22.92	24.0	0.0	
40	PI2 BPSK	108	108	22.46	22.50	22.32	23.5	0.5	
40	PI2 BPSK	216	0	22.52	22.52	22.55			
40	QPSK	1	1	22.95	22.98	22.87			
40	QPSK	1	108	22.70	22.92	22.73	24.0	0.0	
40	QPSK	1	214	22.72	22.93	22.82			
40	QPSK	108	0	21.92	21.95	21.80	23.0	1.0	
40	QPSK	108	54	22.81	22.93	22.74	24.0	0.0	
40	QPSK	108	108	21.86	21.96	21.80	23.0	1.0	
40	QPSK	216	0	21.95	21.95	21.85			
40	16QAM	1	1	21.68	21.64	21.60	23.0	1.0	
40	16QAM	1	1	20.13	20.22	20.07	21.5	2.5	
40	256QAM	1	1	18.80	18.73	18.65	19.5	4.5	
Channel				376500	376000	376500			
Frequency (MHz)				1867.5	1880	1892.5			
35	QPSK	1	1	22.89	22.86	22.84	0.0	0.0	
Channel				373000	376000	379000			
Frequency (MHz)				1895	1890	1895			
30	QPSK	1	1	22.85	22.92	22.81	0.0	0.0	
Channel				372500	376000	379500			
Frequency (MHz)				1892.5	1880	1897.5			
25	QPSK	1	1	22.84	22.90	22.80	24.0	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1890	1880	1900			
20	QPSK	1	1	22.85	22.88	22.82	24.0	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	22.83	22.91	22.79	24.0	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1895	1880	1905			
10	QPSK	1	1	22.82	22.89	22.83	19.0	2.5	
Channel				370500	376000	381500			
Frequency (MHz)				1892.5	1880	1897.5			
5	QPSK	1	1	22.84	22.85	22.81	19.0	2.5	

n7 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				505000	507000	509000			
Frequency (MHz)				2625	2635	2645			
50	PI2 BPSK	1	1	22.65	22.78	22.70			
50	PI2 BPSK	1	135	23.05	23.03	22.91	24.0	0.0	
50	PI2 BPSK	1	268	22.71	22.82	22.83			
50	PI2 BPSK	135	0	22.48	22.47	22.48	23.5	0.5	
50	PI2 BPSK	135	68	23.01	23.02	22.99	24.0	0.0	
50	PI2 BPSK	135	135	22.50	22.49	22.28	23.5	0.5	
50	PI2 BPSK	270	0	22.41	22.55	22.46			
50	QPSK	1	1	23.04	23.08	23.01			
50	QPSK	1	135	22.95	23.03	22.94	24.0	0.0	
50	QPSK	1	268	22.73	22.85	22.68			
50	QPSK	135	0	21.98	22.03	22.04	23.0	1.0	
50	QPSK	135	68	22.81	23.03	22.89	24.0	0.0	
50	QPSK	135	135	21.94	21.99	21.77	23.0	1.0	
50	QPSK	270	0	22.04	22.06	21.96			
50	16QAM	1	1	21.87	21.61	21.47	23.0	1.0	
50	16QAM	1	1	20.07	20.18	20.17	21.5	2.5	
50	256QAM	1	1	18.75	18.89	18.66	19.5	4.5	
Channel				503000	507000	510000			
Frequency (MHz)				2620	2635	2650			
40	QPSK	1	1	22.95	23.01	22.97	24.0	0.0	
Channel				501000	507000	510500			
Frequency (MHz)				2617.5	2635	2652.5			
35	QPSK	1	1	22.97	23.01	22.91	24.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2615	2635	2655			
30	QPSK	1	1	22.95	22.98	22.94	24.0	0.0	
Channel				502500	507000	511500			
Frequency (MHz)				2612.5	2635	2657.5			
25	QPSK	1	1	23.01	22.98	22.91	24.0	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2610	2635	2660			
20	PI2 BPSK	1	1	22.92	22.98	22.89	24.0	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2607.5	2635	2662.5			
15	QPSK	1	1	22.96	23.04	22.93	24.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2605	2635	2665			
10	QPSK	1	1	22.98	23.02	22.91	24.0	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2602.5	2635	2667.5			
5	QPSK	1	1	22.91	22.95	22.97	24.0	0.0	

n66 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				346000	346000	346000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.87	23.03	22.91			
40	PI2 BPSK	1	108	22.82	22.92	22.74	24.0	0.0	
40	PI2 BPSK	1	214	22.74	22.83	22.66			
40	PI2 BPSK	108	0	22.43	22.54	22.33	23.5	0.5	
40	PI2 BPSK	108	54	22.89	23.03	22.85	24.0	0.0	
40	PI2 BPSK	108	108	22.16	22.35	22.29	23.5	0.5	
40	PI2 BPSK	216	0	22.30	22.47	22.31			
40	QPSK	1	1	23.11	23.15	23.02			
40	QPSK	1	108	22.85	22.96	22.83	24.0	0.0	
40	QPSK	1	214	22.60	22.82	22.80			
40	QPSK	108	0	21.83	22.04	22.05	23.0	1.0	
40	QPSK	108	54	22.93	23.08	23.02	24.0	0.0	
40	QPSK	108	108	21.76	21.84	21.76	23.0	1.0	
40	QPSK	216	0	21.84	21.93	21.89			
40	16QAM	1	1	21.82	21.79	21.83	23.0	1.0	
40	16QAM	1	1	20.22	20.32	20.29	21.5	2.5	
40	256QAM	1	1	18.89	18.93	18.92	19.5	4.5	
Channel				345000	346000	346500			
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	23.00	23.05	22.97	24.0	0.0	
Channel				345000	346000	349000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.93	23.03	22.94	24.0	0.0	
Channel				344500	346000	349500			
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.92	23.05	22.88	24.0	0.0	
Channel				344000	346000	354000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.99	23.04	22.94	24.0	0.0	
Channel				343500	346000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.92	22.99	22.91	24.0	0.0	
Channel				343000	346000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.95	23.04	22.89	24.0	0.0	
Channel				342500	346000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.98	22.97	22.92	24.0	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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.87	22.93	22.91			
40	PI/2 BPSK	1	53	23.03	23.10	23.09	24.0	0.0	
40	PI/2 BPSK	1	104	23.02	23.08	23.10			
40	PI/2 BPSK	50	0	22.48	22.50	22.36	23.5	0.5	
40	PI/2 BPSK	50	28	23.03	23.07	22.97	24.0	0.0	
40	PI/2 BPSK	50	56	22.55	22.66	22.45			
40	PI/2 BPSK	100	0	22.61	22.58	22.37	23.5	0.5	
40	QPSK	1	1	22.93	23.12	22.89			
40	QPSK	1	53	22.93	23.06	22.91	24.0	0.0	
40	QPSK	1	104	22.90	23.09	23.07			
40	QPSK	50	0	21.98	21.99	21.77	23.0	1.0	
40	QPSK	50	28	22.92	23.08	23.06	24.0	0.0	
40	QPSK	50	56	21.84	22.04	21.92			
40	QPSK	100	0	21.83	22.02	21.92	23.0	1.0	
40	16QAM	1	1	21.53	21.62	21.68	23.0	1.0	
40	64QAM	1	1	20.15	20.18	20.21	21.5	2.5	
40	256QAM	1	1	18.68	18.79	18.82	19.5	4.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.00	23.03	22.97	24.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.91	22.98	22.93	24.0	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.94	22.98	22.94	24.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.94	22.97	22.97	24.0	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.00	23.04	22.94	24.0	0.0	

n41 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	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.99	23.10	23.12			
100	PI/2 BPSK	1	137	22.92	23.12	23.15	24.0	0.0	
100	PI/2 BPSK	1	271	23.00	23.08	22.90			
100	PI/2 BPSK	135	0	22.89	22.90	22.80	23.5	0.5	
100	PI/2 BPSK	135	69	22.94	23.13	23.10	24.0	0.0	
100	PI/2 BPSK	135	138	23.05	23.11	23.13			
100	PI/2 BPSK	270	0	23.09	23.08	23.08			
100	QPSK	1	1	23.09	23.18	23.12			
100	QPSK	1	137	23.11	23.09	23.00	24.0	0.0	
100	QPSK	1	271	22.82	23.03	22.85			
100	QPSK	135	0	22.90	22.91	22.79	23.0	1.0	
100	QPSK	135	69	23.11	23.15	22.97	24.0	0.0	
100	QPSK	135	138	22.01	22.14	22.07			
100	QPSK	270	0	22.19	22.21	22.07	23.0	1.0	
100	16QAM	1	1	22.88	22.81	22.75	23.0	1.0	
100	64QAM	1	1	20.64	20.73	20.61	21.5	2.5	
100	256QAM	1	1	18.70	18.84	18.47	19.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.97	23.05	22.89	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.00	23.00	22.96	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.91	22.98	22.95	24.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.91	23.04	22.90	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.94	22.99	22.93	24.0	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.91	22.96	22.96	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.99	23.03	22.97	24.0	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.98	23.00	22.95	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.92	23.02	22.91	24.0	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.92	23.00	22.90	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.98	23.03	22.96	24.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.92	22.98	22.97	24.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.00	23.02	22.91	24.0	0.0	

n38 Ant9									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	19.11	19.30	19.18			
40	PI/2 BPSK	1	53	19.15	19.21	19.18	20.6	0.0	
40	PI/2 BPSK	1	104	19.22	19.23	19.19			
40	PI/2 BPSK	50	0	19.13	19.20	19.24	20.6	0.0	
40	PI/2 BPSK	50	28	19.17	19.26	19.23	20.6	0.0	
40	PI/2 BPSK	50	56	19.25	19.22	19.24	20.6	0.0	
40	PI/2 BPSK	100	0	19.27	19.28	19.22			
40	QPSK	1	1	19.24	19.31	19.24			
40	QPSK	1	53	19.27	19.25	19.27	20.6	0.0	
40	QPSK	1	104	19.13	19.11	19.21			
40	QPSK	50	0	19.17	19.21	19.23	20.6	0.0	
40	QPSK	50	28	19.18	19.28	19.16	20.6	0.0	
40	QPSK	50	56	19.26	19.26	19.18	20.6	0.0	
40	QPSK	100	0	19.13	19.22	19.11	20.6	0.0	
40	16QAM	1	1	19.12	19.22	19.26	20.6	0.0	
40	64QAM	1	1	19.17	19.26	19.21	20.6	0.0	
40	256QAM	1	1	19.18	19.23	19.10	20.6	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	19.01	19.10	19.18	20.6	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	19.12	19.16	19.19	20.6	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	19.09	19.18	19.19	20.6	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	19.11	19.12	19.20	20.6	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	19.14	19.14	19.20	20.6	0.0	

n41 Ant9									
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	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.24	19.29	19.27			
100	PI/2 BPSK	1	137	19.24	19.27	19.26	20.6	0.0	
100	PI/2 BPSK	1	271	19.30	19.24	19.30			
100	PI/2 BPSK	135	0	19.24	19.26	19.33	20.6	0.0	
100	PI/2 BPSK	135	69	19.18	19.33	19.23	20.6	0.0	
100	PI/2 BPSK	135	138	19.23	19.28	19.27	20.6	0.0	
100	PI/2 BPSK	270	0	19.30	19.29	19.24			
100	QPSK	1	1	19.24	19.34	19.30			
100	QPSK	1	137	19.20	19.30	19.26	20.6	0.0	
100	QPSK	1	271	19.21	19.25	19.22			
100	QPSK	135	0	19.29	19.31	19.31	20.6	0.0	
100	QPSK	135	69	19.18	19.32	19.24	20.6	0.0	
100	QPSK	135	138	19.21	19.23	19.12	20.6	0.0	
100	QPSK	270	0	19.30	19.31	19.30	20.6	0.0	
100	16QAM	1	1	19.17	19.28	19.26	20.6	0.0	
100	64QAM	1	1	19.23	19.32	19.32	20.6	0.0	
100	256QAM	1	1	19.18	19.25	19.16	20.6	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.10	19.13	19.20	20.6	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	19.20	19.18	19.26	20.6	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	19.07	19.27	19.25	20.6	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	19.16	19.24	19.11	20.6	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.18	19.20	19.13	20.6	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	19.19	19.20	19.20	20.6	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.20	19.16	19.11	20.6	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	19.18	19.17	19.14	20.6	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.06	19.23	19.24	20.6	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	19.19	19.20	19.23	20.6	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.17	19.22	19.19	20.6	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	19.20	19.16	19.17	20.6	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	19.20	19.14	19.12	20.6	0.0	

Reduced Power Mode for EC13\_Other PA

n38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	18.04	18.16	18.06			
40	PI/2 BPSK	1	53	18.01	18.12	18.08	19.3	0.0	
40	PI/2 BPSK	1	104	18.07	18.15	18.14			
40	PI/2 BPSK	50	0	18.04	18.11	18.09	19.3	0.0	
40	PI/2 BPSK	50	28	18.09	18.16	18.14	19.3	0.0	
40	PI/2 BPSK	50	56	18.02	18.20	18.08			
40	PI/2 BPSK	100	0	18.07	18.13	18.10	19.3	0.0	
40	QPSK	1	1	17.99	18.21	18.06			
40	QPSK	1	53	18.09	18.11	18.09	19.3	0.0	
40	QPSK	1	104	18.01	18.13	18.08			
40	QPSK	50	0	18.07	18.16	18.13	19.3	0.0	
40	QPSK	50	28	18.04	18.16	18.07	19.3	0.0	
40	QPSK	50	56	18.05	18.14	18.07			
40	QPSK	100	0	18.04	18.17	18.08	19.3	0.0	
40	16QAM	1	1	18.06	18.16	18.11	19.3	0.0	
40	64QAM	1	1	18.02	18.12	18.17	19.3	0.0	
40	256QAM	1	1	17.95	18.06	18.02	19.3	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	17.84	18.04	17.91	19.3	0.0	
Channel				516504	519000	521498			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	17.89	17.98	17.98	19.3	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	17.87	18.03	17.96	19.3	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	17.86	18.07	17.99	19.3	0.0	
Channel				515004	519000	522998			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	17.90	17.98	17.93	19.3	0.0	

n41 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.16	18.21	18.22			
100	PI/2 BPSK	1	137	18.18	18.27	18.23	19.3	0.0	
100	PI/2 BPSK	1	271	18.19	18.18	18.16			
100	PI/2 BPSK	135	0	18.21	18.19	18.24	19.3	0.0	
100	PI/2 BPSK	135	69	18.18	18.21	18.17	19.3	0.0	
100	PI/2 BPSK	135	138	18.23	18.26	18.22			
100	PI/2 BPSK	270	0	18.19	18.25	18.15	19.3	0.0	
100	QPSK	1	1	18.18	18.32	18.17			
100	QPSK	1	137	18.17	18.16	18.24	19.3	0.0	
100	QPSK	1	271	18.24	18.15	18.16			
100	QPSK	135	0	18.27	18.23	18.19	19.3	0.0	
100	QPSK	135	69	18.25	18.28	18.24	19.3	0.0	
100	QPSK	135	138	18.26	18.22	18.16			
100	QPSK	270	0	18.24	18.26	18.23	19.3	0.0	
100	16QAM	1	1	18.25	18.24	18.18	19.3	0.0	
100	64QAM	1	1	18.24	18.23	18.22	19.3	0.0	
100	256QAM	1	1	18.11	18.11	18.10	19.3	0.0	
Channel				508200	518598	528998			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	18.11	18.11	18.05	19.3	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	18.06	18.08	18.10	19.3	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	18.02	18.05	18.02	19.3	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.00	18.06	18.05	19.3	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	18.11	18.04	18.03	19.3	0.0	
Channel				503700	518598	533498			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	18.11	18.04	18.07	19.3	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	18.02	18.00	18.06	19.3	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	18.10	18.12	18.07	19.3	0.0	
Channel				502200	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.09	18.07	18.08	19.3	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	18.04	18.10	18.03	19.3	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	18.02	18.04	17.99	19.3	0.0	
Channel				500700	518598	536498			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	18.06	18.02	18.00	19.3	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	18.08	18.01	18.09	19.3	0.0	



n2 Ant1									
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)									
40	PI2 BPSK	1	1	16.15	16.17	16.09			
40	PI2 BPSK	1	108	15.86	16.04	15.91		0.0	
40	PI2 BPSK	1	214	15.94	16.07	15.84			
40	PI2 BPSK	108	0	16.15	16.12	16.08	17.5	0.0	
40	PI2 BPSK	108	54	15.98	15.99	15.84	17.5	0.0	
40	PI2 BPSK	108	108	15.92	16.07	15.90	17.5	0.0	
40	PI2 BPSK	216	0	16.18	16.12	16.09			
40	QPSK	1	1	16.16	16.21	16.04			
40	QPSK	1	108	16.02	15.97	15.91	17.5	0.0	
40	QPSK	1	214	16.13	16.11	16.13			
40	QPSK	108	0	15.96	15.97	15.89	17.5	0.0	
40	QPSK	108	54	16.15	16.19	16.14	17.5	0.0	
40	QPSK	108	108	16.11	16.12	16.12	17.5	0.0	
40	QPSK	216	0	15.90	16.14	15.93			
40	16QAM	1	1	16.18	16.18	16.05	17.5	0.0	
40	16QAM	1	1	15.92	15.99	15.90	17.5	0.0	
40	256QAM	1	1	16.04	16.03	15.84	17.5	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	16.11	16.10	15.95	0.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.12	16.10	15.93	0.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.05	16.06	15.92	17.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.09	16.13	15.96	17.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.12	16.09	16.00	17.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.06	16.14	15.93	17.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.04	16.14	15.98	17.5	0.0	

n7 Ant1									
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)									
50	PI2 BPSK	1	1	16.04	16.03	17.92			
50	PI2 BPSK	1	135	17.81	17.89	17.71		19.4	0.0
50	PI2 BPSK	1	268	17.69	17.98	17.84			
50	PI2 BPSK	135	0	17.98	18.05	17.94	19.4	0.0	
50	PI2 BPSK	135	68	17.87	17.94	17.86	19.4	0.0	
50	PI2 BPSK	135	135	17.70	17.78	17.82	19.4	0.0	
50	PI2 BPSK	270	0	17.95	18.06	18.01			
50	QPSK	1	1	17.86	18.09	17.76			
50	QPSK	1	135	17.68	17.81	17.84	19.4	0.0	
50	QPSK	1	268	18.05	18.07	17.95			
50	QPSK	135	0	17.91	17.90	17.75	19.4	0.0	
50	QPSK	135	68	17.75	18.08	17.82	19.4	0.0	
50	QPSK	135	135	18.01	18.00	17.97	19.4	0.0	
50	QPSK	270	0	17.85	17.98	17.88			
50	16QAM	1	1	17.77	17.79	17.87	19.4	0.0	
50	16QAM	1	1	17.73	17.89	17.78	19.4	0.0	
50	256QAM	1	1	17.89	17.88	17.74	19.4	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.76	17.99	17.69	19.4	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	17.83	18.01	17.65	19.4	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.81	17.93	17.71	19.4	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.73	18.01	17.62	19.4	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	17.74	17.99	17.84	19.4	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.73	17.93	17.62	19.4	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.78	17.97	17.67	19.4	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	17.76	18.02	17.67	19.4	0.0	

n66 Ant1									
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)									
40	PI2 BPSK	1	1	18.28	18.37	18.30			
40	PI2 BPSK	1	108	18.27	18.35	18.28		19.7	0.0
40	PI2 BPSK	1	214	18.31	18.32	18.13			
40	PI2 BPSK	108	0	18.38	18.43	18.40	19.7	0.0	
40	PI2 BPSK	108	54	18.17	18.28	18.28	19.7	0.0	
40	PI2 BPSK	108	108	18.32	18.21	18.15	19.7	0.0	
40	PI2 BPSK	216	0	18.35	18.36	18.34			
40	QPSK	1	1	18.26	18.45	18.31			
40	QPSK	1	108	18.25	18.23	18.08	19.7	0.0	
40	QPSK	1	214	18.37	18.39	18.30			
40	QPSK	108	0	18.23	18.30	18.21	19.7	0.0	
40	QPSK	108	54	18.22	18.43	18.08	19.7	0.0	
40	QPSK	108	108	18.36	18.33	18.33	19.7	0.0	
40	QPSK	216	0	18.28	18.35	18.30			
40	16QAM	1	1	18.27	18.23	18.11	19.7	0.0	
40	16QAM	1	1	18.22	18.27	18.16	19.7	0.0	
40	256QAM	1	1	17.85	18.01	17.84	19.2	0.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	18.15	18.38	18.16	19.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.16	18.34	18.10	19.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.13	18.29	18.26	19.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.14	18.38	18.16	19.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.17	17.45	17.72	19.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.19	18.34	18.23	19.7	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.18	18.33	18.16	19.7	0.0	

n38 Ant1									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	17.89	18.11	17.99			
40	PI/2 BPSK	1	53	17.67	17.81	17.92	19.5	0.0	
40	PI/2 BPSK	1	104	17.62	17.77	17.59			
40	PI/2 BPSK	50	0	17.89	18.07	18.01	19.5	0.0	
40	PI/2 BPSK	50	28	17.68	17.82	17.91	19.5	0.0	
40	PI/2 BPSK	50	56	17.59	17.70	17.51	19.5	0.0	
40	PI/2 BPSK	100	0	17.95	18.04	17.96			
40	QPSK	1	1	17.57	18.13	17.93			
40	QPSK	1	53	17.65	17.78	17.54	19.5	0.0	
40	QPSK	1	104	18.00	18.06	17.93			
40	QPSK	50	0	17.59	17.81	17.83	19.5	0.0	
40	QPSK	50	28	17.69	17.94	17.57	19.5	0.0	
40	QPSK	50	56	17.90	17.74	17.90			
40	QPSK	100	0	17.82	17.89	17.79	19.5	0.0	
40	16QAM	1	1	17.66	17.71	17.59	19.5	0.0	
40	64QAM	1	1	17.65	17.89	17.91	19.5	0.0	
40	256QAM	1	1	17.63	17.90	17.85	19.5	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	17.74	18.01	17.85	19.5	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	17.79	17.97	17.85	19.5	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	17.73	18.02	17.84	19.5	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	17.78	17.99	17.79	19.5	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	17.70	18.00	17.86	19.5	0.0	

n41 Ant1									
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	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.36	18.41	18.43			
100	PI/2 BPSK	1	137	18.19	18.32	18.23	19.5	0.0	
100	PI/2 BPSK	1	271	18.12	18.31	18.09			
100	PI/2 BPSK	135	0	18.38	18.43	18.39	19.5	0.0	
100	PI/2 BPSK	135	69	18.23	18.37	18.19	19.5	0.0	
100	PI/2 BPSK	135	138	18.16	18.25	18.11	19.5	0.0	
100	PI/2 BPSK	270	0	18.30	18.35	18.40			
100	QPSK	1	1	18.24	18.42	18.17			
100	QPSK	1	137	18.14	18.28	18.09	19.5	0.0	
100	QPSK	1	271	18.29	18.40	18.40			
100	QPSK	135	0	18.20	18.40	18.18	19.5	0.0	
100	QPSK	135	69	18.19	18.46	18.05	19.5	0.0	
100	QPSK	135	138	18.33	18.40	18.38			
100	QPSK	270	0	18.18	18.37	18.16	19.5	0.0	
100	16QAM	1	1	18.30	18.36	18.41	19.5	0.0	
100	64QAM	1	1	18.26	18.38	18.15	19.5	0.0	
100	256QAM	1	1	18.20	18.28	18.06	19.5	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	18.20	18.33	18.06	19.5	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	18.08	18.36	18.11	19.5	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	18.17	18.35	18.04	19.5	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.14	18.38	18.01	19.5	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	18.12	18.37	18.11	19.5	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	18.16	18.33	18.05	19.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	18.19	18.33	18.11	19.5	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	18.08	18.31	18.10	19.5	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.09	18.31	18.07	19.5	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	18.16	18.31	18.10	19.5	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	18.09	18.36	18.11	19.5	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	18.11	18.33	18.06	19.5	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	18.09	18.34	18.05	19.5	0.0	

n2 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									
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	22.72	22.88	22.79			
40	PI2 BPSK	1	108	22.84	22.87	22.90	24.0	0.0	
40	PI2 BPSK	1	214	22.81	22.82	22.87			
40	PI2 BPSK	108	0	22.39	22.49	22.36	23.5	0.5	
40	PI2 BPSK	108	54	22.84	22.97	22.92	24.0	0.0	
40	PI2 BPSK	108	108	22.46	22.50	22.32	23.5	0.5	
40	PI2 BPSK	216	0	22.52	22.52	22.55			
40	QPSK	1	1	22.95	22.98	22.87			
40	QPSK	1	108	22.70	22.92	22.73	24.0	0.0	
40	QPSK	1	214	22.72	22.93	22.82			
40	QPSK	108	0	21.92	21.95	21.80	23.0	1.0	
40	QPSK	108	54	22.81	22.93	22.74	24.0	0.0	
40	QPSK	108	108	21.86	21.96	21.80	23.0	1.0	
40	QPSK	216	0	21.95	21.95	21.85			
40	16QAM	1	1	21.68	21.64	21.60	23.0	1.0	
40	16QAM	1	1	20.13	20.22	20.07	21.5	2.5	
40	256QAM	1	1	18.80	18.73	18.65	19.5	4.5	
Channel									
Frequency (MHz)				376500	376600	376700			
35	QPSK	1	1	22.89	22.86	22.84	0.0	0.0	
Channel									
Frequency (MHz)				379000	379000	379000			
30	QPSK	1	1	22.85	22.92	22.81	0.0	0.0	
Channel									
Frequency (MHz)				379500	379500	379500			
25	QPSK	1	1	22.84	22.90	22.80	24.0	0.0	
Channel									
Frequency (MHz)				379500	379500	380000			
20	QPSK	1	1	22.85	22.88	22.82	24.0	0.0	
Channel									
Frequency (MHz)				380500	380500	380500			
15	QPSK	1	1	22.83	22.91	22.79	24.0	0.0	
Channel									
Frequency (MHz)				381000	381000	381000			
10	QPSK	1	1	22.82	22.89	22.83	19.0	2.5	
Channel									
Frequency (MHz)				376500	376600	381500			
5	QPSK	1	1	22.84	22.85	22.81	19.0	2.5	

n7 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									
Frequency (MHz)				2625	2635	2645			
50	PI2 BPSK	1	1	22.65	22.78	22.70			
50	PI2 BPSK	1	135	23.05	23.03	22.91	24.0	0.0	
50	PI2 BPSK	1	268	22.71	22.82	22.83			
50	PI2 BPSK	135	0	22.48	22.47	22.48	23.5	0.5	
50	PI2 BPSK	135	68	23.01	23.02	22.99	24.0	0.0	
50	PI2 BPSK	135	135	22.50	22.49	22.28	23.5	0.5	
50	PI2 BPSK	270	0	22.41	22.55	22.46			
50	QPSK	1	1	23.04	23.08	23.01			
50	QPSK	1	135	22.95	23.03	22.94	24.0	0.0	
50	QPSK	1	268	22.73	22.85	22.68			
50	QPSK	135	0	21.98	22.03	22.04	23.0	1.0	
50	QPSK	135	68	22.81	23.03	22.89	24.0	0.0	
50	QPSK	135	135	21.94	21.98	21.77	23.0	1.0	
50	QPSK	270	0	22.04	22.06	21.96			
50	16QAM	1	1	21.87	21.61	21.47	23.0	1.0	
50	16QAM	1	1	20.07	20.18	20.17	21.5	2.5	
50	256QAM	1	1	18.75	18.69	18.66	19.5	4.5	
Channel									
Frequency (MHz)				503000	507000	510500			
40	QPSK	1	1	22.95	23.01	22.97	24.0	0.0	
Channel									
Frequency (MHz)				503000	507000	510500			
35	QPSK	1	1	22.97	23.01	22.91	24.0	0.0	
Channel									
Frequency (MHz)				503000	507000	511000			
30	QPSK	1	1	22.95	22.98	22.94	24.0	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	23.01	22.98	22.91	24.0	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	22.92	22.98	22.89	24.0	0.0	
Channel									
Frequency (MHz)				2597.5	2635	2662.5			
15	QPSK	1	1	22.96	23.04	22.93	24.0	0.0	
Channel									
Frequency (MHz)				501000	507000	513000			
10	QPSK	1	1	22.98	23.02	22.91	24.0	0.0	
Channel									
Frequency (MHz)				505000	507000	513500			
5	QPSK	1	1	22.91	22.95	22.87	24.0	0.0	

n66 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									
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.11	22.17	22.02			
40	PI2 BPSK	1	108	21.87	21.91	21.78	23.2	0.0	
40	PI2 BPSK	1	214	21.81	21.85	21.76			
40	PI2 BPSK	108	0	22.10	22.11	21.97	23.2	0.0	
40	PI2 BPSK	108	54	21.84	21.98	21.79	23.2	0.0	
40	PI2 BPSK	108	108	21.58	21.84	21.76	23.2	0.0	
40	PI2 BPSK	216	0	22.13	22.19	21.98			
40	QPSK	1	1	21.80	22.21	21.85			
40	QPSK	1	108	21.81	21.86	21.81	23.2	0.0	
40	QPSK	1	214	22.05	22.14	21.99			
40	QPSK	108	0	21.88	21.93	21.79	23.2	0.0	
40	QPSK	108	54	21.64	22.12	21.80	23.2	0.0	
40	QPSK	108	108	22.07	22.01	22.03	23.2	0.0	
40	QPSK	216	0	21.88	21.98	21.84			
40	16QAM	1	1	21.61	21.80	21.84	23.2	0.0	
40	16QAM	1	1	20.22	20.32	20.29	21.7	1.5	
40	256QAM	1	1	18.89	18.93	18.92	19.7	3.5	
Channel									
Frequency (MHz)				345500	349000	352500			
35	QPSK	1	1	21.89	22.09	21.76	23.2	0.0	
Channel									
Frequency (MHz)				345000	349000	353000			
30	QPSK	1	1	21.87	22.11	21.70	23.2	0.0	
Channel									
Frequency (MHz)				344500	349000	353500			
25	QPSK	1	1	21.71	22.17	21.71	23.2	0.0	
Channel									
Frequency (MHz)				343000	349000	354000			
20	QPSK	1	1	21.84	22.07	21.69	23.2	0.0	
Channel									
Frequency (MHz)				343500	349000	354500			
15	QPSK	1	1	21.75	21.75	21.75	23.2	0.0	
Channel									
Frequency (MHz)				342500	349000	355000			
10	QPSK	1	1	21.71	22.12	21.77	23.2	0.0	
Channel									
Frequency (MHz)				342000	349000	355500			
5	QPSK	1	1	21.69	22.16	21.76	23.2	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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.87	22.93	22.91			
40	PI/2 BPSK	1	53	23.03	23.10	23.09	24.0	0.0	
40	PI/2 BPSK	1	104	23.02	23.08	23.10			
40	PI/2 BPSK	50	0	22.48	22.50	22.36	23.5	0.5	
40	PI/2 BPSK	50	28	23.03	23.07	22.97	24.0	0.0	
40	PI/2 BPSK	50	56	22.55	22.66	22.45			
40	PI/2 BPSK	100	0	22.61	22.58	22.37	23.5	0.5	
40	QPSK	1	1	22.93	23.12	22.89			
40	QPSK	1	53	22.93	23.06	22.91	24.0	0.0	
40	QPSK	1	104	22.90	23.09	23.07			
40	QPSK	50	0	21.98	21.99	21.77	23.0	1.0	
40	QPSK	50	28	22.92	23.08	23.06	24.0	0.0	
40	QPSK	50	56	21.84	22.04	21.92			
40	QPSK	100	0	21.83	22.02	21.92	23.0	1.0	
40	16QAM	1	1	21.53	21.62	21.68	23.0	1.0	
40	64QAM	1	1	20.15	20.18	20.21	21.5	2.5	
40	256QAM	1	1	18.68	18.79	18.82	19.5	4.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.00	23.03	22.97	24.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.91	22.98	22.93	24.0	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.94	22.98	22.94	24.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.94	22.97	22.97	24.0	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.00	23.04	22.94	24.0	0.0	

n41 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	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.99	23.10	23.12			
100	PI/2 BPSK	1	137	22.92	23.12	23.15	24.0	0.0	
100	PI/2 BPSK	1	271	23.00	23.08	22.90			
100	PI/2 BPSK	135	0	22.89	22.90	22.80	23.5	0.5	
100	PI/2 BPSK	135	69	22.94	23.13	23.10	24.0	0.0	
100	PI/2 BPSK	135	138	23.05	23.11	23.13			
100	PI/2 BPSK	270	0	23.09	23.08	23.08			
100	QPSK	1	1	23.09	23.18	23.12			
100	QPSK	1	137	23.11	23.09	23.00	24.0	0.0	
100	QPSK	1	271	22.82	23.03	22.85			
100	QPSK	135	0	22.90	22.91	22.79	23.0	1.0	
100	QPSK	135	69	23.11	23.15	22.97	24.0	0.0	
100	QPSK	135	138	22.01	22.14	22.07			
100	QPSK	270	0	22.19	22.21	22.07	23.0	1.0	
100	16QAM	1	1	22.88	22.81	22.75	23.0	1.0	
100	64QAM	1	1	20.64	20.73	20.61	21.5	2.5	
100	256QAM	1	1	18.70	18.84	18.47	19.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2544	2592.99	2644.98			
90	QPSK	1	1	22.97	23.05	22.89	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.00	23.00	22.96	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.91	22.98	22.95	24.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.91	23.04	22.90	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.94	22.99	22.93	24.0	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.91	22.96	22.96	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.99	23.03	22.97	24.0	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.98	23.00	22.95	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.92	23.02	22.91	24.0	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.92	23.00	22.90	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.98	23.03	22.96	24.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.92	22.98	22.97	24.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.00	23.02	22.91	24.0	0.0	

n38 Ant9									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	18.07	18.17	18.13			
40	PI/2 BPSK	1	53	17.98	18.07	18.09	19.3	0.0	
40	PI/2 BPSK	1	104	18.09	18.18	18.11			
40	PI/2 BPSK	50	0	18.03	18.19	18.19	19.3	0.0	
40	PI/2 BPSK	50	28	18.02	18.14	18.11	19.3	0.0	
40	PI/2 BPSK	50	56	18.09	18.14	18.06	19.3	0.0	
40	PI/2 BPSK	100	0	18.15	18.13	18.17			
40	QPSK	1	1	17.97	18.21	18.10			
40	QPSK	1	53	18.00	18.13	18.01	19.3	0.0	
40	QPSK	1	104	18.06	18.17	18.14			
40	QPSK	50	0	17.97	18.07	18.15	19.3	0.0	
40	QPSK	50	28	18.02	18.18	18.02	19.3	0.0	
40	QPSK	50	56	18.04	18.08	18.09			
40	QPSK	100	0	18.04	18.09	18.06	19.3	0.0	
40	16QAM	1	1	18.10	18.17	18.12	19.3	0.0	
40	64QAM	1	1	18.00	18.08	18.08	19.3	0.0	
40	256QAM	1	1	18.07	18.16	18.05	19.3	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	17.90	18.16	18.04	19.3	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	17.82	18.12	18.03	19.3	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	17.93	18.09	17.96	19.3	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	17.82	18.13	18.01	19.3	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	17.84	18.06	17.97	19.3	0.0	

n41 Ant9									
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	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.17	18.16	18.19			
100	PI/2 BPSK	1	137	17.90	18.16	18.08	19.3	0.0	
100	PI/2 BPSK	1	271	17.87	18.07	18.01			
100	PI/2 BPSK	135	0	18.10	18.18	18.17	19.3	0.0	
100	PI/2 BPSK	135	69	17.91	18.20	18.11	19.3	0.0	
100	PI/2 BPSK	135	138	17.89	18.00	18.01	19.3	0.0	
100	PI/2 BPSK	270	0	18.10	18.17	18.24			
100	QPSK	1	1	17.95	18.26	18.08			
100	QPSK	1	137	17.87	18.10	18.04	19.3	0.0	
100	QPSK	1	271	18.18	18.17	18.17			
100	QPSK	135	0	17.91	18.16	18.13	19.3	0.0	
100	QPSK	135	69	17.85	18.24	17.99	19.3	0.0	
100	QPSK	135	138	18.13	18.12	18.20			
100	QPSK	270	0	17.90	18.12	18.10	19.3	0.0	
100	16QAM	1	1	18.13	18.19	18.19	19.3	0.0	
100	64QAM	1	1	17.91	18.14	18.10	19.3	0.0	
100	256QAM	1	1	17.80	18.06	18.04	19.3	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.84	18.13	17.94	19.3	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.82	18.19	17.99	19.3	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	17.79	18.16	17.93	19.3	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	17.89	18.10	17.98	19.3	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.81	18.22	17.93	19.3	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	17.89	18.16	17.93	19.3	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.81	18.20	18.01	19.3	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	17.86	18.12	17.95	19.3	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.79	18.15	17.97	19.3	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	17.89	18.19	18.02	19.3	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.84	18.13	17.97	19.3	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	17.81	18.18	18.02	19.3	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	17.86	18.12	18.01	19.3	0.0	

Reduced Power Mode for ECI6\_Other PA

n38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2590.02	2595	2599.98			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	21.18	21.20	21.14			
40	PI/2 BPSK	1	53	21.02	21.06	21.03	22.8	0.0	
40	PI/2 BPSK	1	104	21.02	21.17	21.04			
40	PI/2 BPSK	50	0	21.17	21.20	21.08	22.8	0.0	
40	PI/2 BPSK	50	28	21.08	21.07	21.00	22.8	0.0	
40	PI/2 BPSK	50	56	21.02	21.17	20.95	22.8	0.0	
40	PI/2 BPSK	100	0	21.17	21.24	21.08	22.8	0.0	
40	QPSK	1	1	21.05	21.25	21.07			
40	QPSK	1	53	21.02	21.20	20.97	22.8	0.0	
40	QPSK	1	104	21.19	21.20	21.11			
40	QPSK	50	0	21.07	21.10	20.99	22.8	0.0	
40	QPSK	50	28	21.01	21.16	20.96	22.8	0.0	
40	QPSK	50	56	21.12	21.14	21.08	22.8	0.0	
40	QPSK	100	0	21.07	21.13	21.02	22.8	0.0	
40	16QAM	1	1	21.02	21.12	20.98	22.8	0.0	
40	64QAM	1	1	19.95	19.94	19.96	21.8	1.0	
40	256QAM	1	1	18.15	18.26	18.22	19.8	3.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	21.00	21.18	20.96	22.8	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	20.90	21.20	20.98	22.8	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.96	21.12	21.00	22.8	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.99	21.15	21.02	22.8	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	20.96	21.20	20.99	22.8	0.0	

n41 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2546.01	2592.99	2640			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.19	21.28	21.11			
100	PI/2 BPSK	1	137	20.87	21.17	21.06	22.8	0.0	
100	PI/2 BPSK	1	271	20.94	20.94	20.90			
100	PI/2 BPSK	135	0	21.16	21.25	21.01	22.8	0.0	
100	PI/2 BPSK	135	69	20.87	21.17	21.02	22.8	0.0	
100	PI/2 BPSK	135	138	20.96	20.91	20.90	22.8	0.0	
100	PI/2 BPSK	270	0	21.12	21.23	21.09	22.8	0.0	
100	QPSK	1	1	20.93	21.40	21.09			
100	QPSK	1	137	20.99	20.92	20.93	22.8	0.0	
100	QPSK	1	271	21.19	21.30	21.06			
100	QPSK	135	0	20.93	21.10	21.09	22.8	0.0	
100	QPSK	135	69	20.98	21.17	20.91	22.8	0.0	
100	QPSK	135	138	21.14	21.09	21.01	22.8	0.0	
100	QPSK	270	0	20.89	21.16	21.01	22.8	0.0	
100	16QAM	1	1	20.96	20.93	20.84	22.8	0.0	
100	64QAM	1	1	21.24	21.20	21.12	21.8	1.0	
100	256QAM	1	1	18.11	18.11	18.10	19.8	3.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.82	21.32	20.99	22.8	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	20.84	21.35	20.96	22.8	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	20.85	21.36	21.05	22.8	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.88	21.33	20.97	22.8	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	20.86	21.34	21.01	22.8	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	20.88	21.31	21.04	22.8	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.98	21.31	21.01	22.8	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	20.85	21.33	20.94	22.8	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.85	21.35	20.99	22.8	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	20.89	21.32	20.96	22.8	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.80	21.27	21.03	22.8	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	20.80	21.24	21.05	22.8	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	20.80	21.26	20.95	22.8	0.0	



n2 Ant1									
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)				1870	1880	1890			
40	PI2 BPSK	1	1	18.57	18.68	18.61			
40	PI2 BPSK	1	108	18.36	18.52	18.45		0.0	
40	PI2 BPSK	1	214	18.52	18.56	18.36			
40	PI2 BPSK	108	0	18.82	18.71	18.59	19.7	0.0	
40	PI2 BPSK	108	54	18.43	18.48	18.40	19.7	0.0	
40	PI2 BPSK	108	108	18.51	18.55	18.39	19.7	0.0	
40	PI2 BPSK	216	0	18.68	18.66	18.55			
40	QPSK	1	1	18.44	18.76	18.45			
40	QPSK	1	108	18.52	18.50	18.35	19.7	0.0	
40	QPSK	1	214	18.65	18.71	18.60			
40	QPSK	108	0	18.41	18.49	18.38	19.7	0.0	
40	QPSK	108	54	18.47	18.68	18.30	19.7	0.0	
40	QPSK	108	108	18.67	18.67	18.38	19.7	0.0	
40	QPSK	216	0	18.56	18.71	18.57			
40	16QAM	1	1	18.38	18.45	18.43	19.7	0.0	
40	16QAM	1	1	18.44	18.59	18.40	19.7	0.0	
40	256QAM	1	1	17.78	17.89	17.84	18.7	1.0	
Channel									
Frequency (MHz)				37250	37300	37350	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	18.32	18.63	18.35	0.0	0.0	
Channel									
Frequency (MHz)				37300	37600	37900	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.95	18.90	18.95	0.0	0.0	
Channel									
Frequency (MHz)				37250	37600	37950	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	18.30	18.61	18.33	19.7	0.0	
Channel									
Frequency (MHz)				37200	37600	38000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.30	18.70	18.30	19.7	0.0	
Channel									
Frequency (MHz)				37150	37600	38050	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.27.5	18.80	18.33	19.7	0.0	
Channel									
Frequency (MHz)				37100	37600	38100	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.55	18.80	18.95	19.7	0.0	
Channel									
Frequency (MHz)				37050	37600	38150	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	18.36	18.60	18.31	19.7	0.0	

n7 Ant1									
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)				2625	2635	2645			
50	PI2 BPSK	1	1	20.69	20.75	20.65			
50	PI2 BPSK	1	135	20.51	20.66	20.39	21.9	0.0	
50	PI2 BPSK	1	268	20.43	20.56	20.33			
50	PI2 BPSK	135	0	20.69	20.71	20.65	21.9	0.0	
50	PI2 BPSK	135	68	20.57	20.66	20.39	21.9	0.0	
50	PI2 BPSK	135	135	20.48	20.53	20.49	21.9	0.0	
50	PI2 BPSK	270	0	20.75	20.78	20.71			
50	QPSK	1	1	20.53	20.79	20.40			
50	QPSK	1	135	20.47	20.53	20.47	21.9	0.0	
50	QPSK	1	268	20.65	20.75	20.71			
50	QPSK	135	0	20.59	20.60	20.40	21.9	0.0	
50	QPSK	135	68	20.42	20.78	20.54	21.9	0.0	
50	QPSK	135	135	20.64	20.77	20.67	21.9	0.0	
50	QPSK	270	0	20.51	20.66	20.43			
50	16QAM	1	1	20.44	20.53	20.48	21.9	0.0	
50	16QAM	1	1	19.25	19.32	19.15	20.9	1.0	
50	256QAM	1	1	17.89	17.88	17.74	18.9	3.0	
Channel									
Frequency (MHz)				50300	50700	51000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	20.43	20.71	20.35	21.9	0.0	
Channel									
Frequency (MHz)				50300	50700	51050	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	20.44	20.70	20.20	21.9	0.0	
Channel									
Frequency (MHz)				50300	50700	51100	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.47	20.74	20.27	21.9	0.0	
Channel									
Frequency (MHz)				50250	50700	51150	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	20.43	20.64	20.34	21.9	0.0	
Channel									
Frequency (MHz)				50200	50700	51200	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	20.38	20.70	20.27	21.9	0.0	
Channel									
Frequency (MHz)				2572.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	20.46	20.70	20.27	21.9	0.0	
Channel									
Frequency (MHz)				50100	50700	51300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	20.41	20.71	20.30	21.9	0.0	
Channel									
Frequency (MHz)				50050	50700	51350	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	20.44	20.75	20.35	21.9	0.0	

n66 Ant1									
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)				1730	1745	1760			
40	PI2 BPSK	1	1	21.17	21.20	21.13			
40	PI2 BPSK	1	108	21.08	21.12	21.03	22.5	0.0	
40	PI2 BPSK	1	214	21.04	21.06	20.92			
40	PI2 BPSK	108	0	21.10	21.16	21.14	22.5	0.0	
40	PI2 BPSK	108	54	20.97	21.07	21.10	22.5	0.0	
40	PI2 BPSK	108	108	21.08	21.07	20.94	22.5	0.0	
40	PI2 BPSK	216	0	21.18	21.25	21.16			
40	QPSK	1	1	21.02	21.31	21.02			
40	QPSK	1	108	21.03	21.01	20.95	22.5	0.0	
40	QPSK	1	214	21.11	21.23	21.12			
40	QPSK	108	0	21.05	21.13	21.02	22.5	0.0	
40	QPSK	108	54	21.02	21.25	20.87	22.5	0.0	
40	QPSK	108	108	21.14	21.24	21.05	22.5	0.0	
40	QPSK	216	0	20.97	21.13	21.05			
40	16QAM	1	1	21.13	21.00	20.96	22.5	0.0	
40	16QAM	1	1	19.46	19.44	19.51	21.0	1.5	
40	256QAM	1	1	17.85	18.01	17.84	18.0	3.5	
Channel									
Frequency (MHz)				34500	34900	35300	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	20.98	21.25	20.87	22.5	0.0	
Channel									
Frequency (MHz)				34500	34900	35300	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.95	21.17	20.90	22.5	0.0	
Channel									
Frequency (MHz)				34450	34900	35350	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	20.96	21.27	20.93	22.5	0.0	
Channel									
Frequency (MHz)				34400	34900	35400	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.91	21.16	20.93	22.5	0.0	
Channel									
Frequency (MHz)				34350	34900	35450	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	20.97	21.25	20.88	22.5	0.0	
Channel									
Frequency (MHz)				34300	34900	35500	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	20.91	21.19	20.89	22.5	0.0	
Channel									
Frequency (MHz)				34250	34900	35550	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	20.91	21.24	20.95	22.5	0.0	

n38 Ant1									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	20.85	20.96	20.93			
40	PI/2 BPSK	1	53	20.88	20.76	20.74	22.7	0.0	
40	PI/2 BPSK	1	104	20.89	20.82	20.90			
40	PI/2 BPSK	50	0	20.80	20.95	20.90	22.7	0.0	
40	PI/2 BPSK	50	28	20.96	20.73	20.81	22.7	0.0	
40	PI/2 BPSK	50	56	20.83	20.86	20.80			
40	PI/2 BPSK	100	0	20.90	20.96	20.85	22.7	0.0	
40	QPSK	1	1	20.97	21.03	20.83			
40	QPSK	1	53	20.89	20.95	20.88	22.7	0.0	
40	QPSK	1	104	20.84	21.00	20.96			
40	QPSK	50	0	20.91	20.73	20.74	22.7	0.0	
40	QPSK	50	28	20.84	20.96	20.82	22.7	0.0	
40	QPSK	50	56	20.89	20.95	20.83			
40	QPSK	100	0	20.73	20.74	20.72	22.7	0.0	
40	16QAM	1	1	20.78	20.86	20.71	22.7	0.0	
40	64QAM	1	1	20.50	20.45	20.50	22.2	0.5	
40	256QAM	1	1	18.42	18.43	18.49	20.2	2.5	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	20.72	20.90	20.76	22.7	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	20.77	20.89	20.74	22.7	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	20.73	20.92	20.77	22.7	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.71	20.94	20.79	22.7	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	20.74	20.96	20.78	22.7	0.0	

n41 Ant1									
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	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.39	21.47	21.46			
100	PI/2 BPSK	1	137	21.27	21.36	21.23	22.7	0.0	
100	PI/2 BPSK	1	271	21.17	21.26	21.11			
100	PI/2 BPSK	135	0	21.31	21.49	21.45	22.7	0.0	
100	PI/2 BPSK	135	69	21.27	21.42	21.20	22.7	0.0	
100	PI/2 BPSK	135	138	21.19	21.21	21.09			
100	PI/2 BPSK	270	0	21.30	21.50	21.36	22.7	0.0	
100	QPSK	1	1	21.28	21.53	21.20			
100	QPSK	1	137	21.14	21.26	21.04	22.7	0.0	
100	QPSK	1	271	21.38	21.44	21.36			
100	QPSK	135	0	21.19	21.42	21.21	22.7	0.0	
100	QPSK	135	69	21.16	21.47	21.01	22.7	0.0	
100	QPSK	135	138	21.33	21.44	21.46			
100	QPSK	270	0	21.23	21.34	21.20	22.7	0.0	
100	16QAM	1	1	21.16	21.27	21.11	22.7	0.0	
100	64QAM	1	1	20.77	20.92	20.89	22.2	0.5	
100	256QAM	1	1	18.97	18.99	18.95	20.2	2.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.24	21.46	21.11	22.7	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	21.23	21.46	21.14	22.7	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.22	21.41	21.14	22.7	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	21.17	21.39	21.06	22.7	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.12	21.43	21.04	22.7	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	21.15	21.43	21.08	22.7	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	21.16	21.42	21.16	22.7	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	21.17	21.42	21.09	22.7	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.20	21.48	21.10	22.7	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	21.21	21.43	21.13	22.7	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.23	21.39	21.08	22.7	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	21.15	21.39	21.10	22.7	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	21.17	21.42	21.11	22.7	0.0	



n2 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				376000	376000	376000				
Frequency (MHz)				1870	1880	1890				
40	PI2 BPSK	1	1	22.40	22.46	22.32				
40	PI2 BPSK	1	108	22.18	22.43	22.25			23.8	0.0
40	PI2 BPSK	1	214	22.22	22.41	22.36				
40	PI2 BPSK	108	0	22.49	22.53	22.37			23.8	0.0
40	PI2 BPSK	108	54	22.24	22.41	22.25			23.8	0.0
40	PI2 BPSK	108	108	22.17	22.46	22.32			23.8	0.0
40	PI2 BPSK	216	0	22.49	22.44	22.35				
40	QPSK	1	1	22.24	22.54	22.19			23.8	0.0
40	QPSK	1	108	22.28	22.42	22.32				
40	QPSK	1	214	22.49	22.42	22.32				
40	QPSK	108	0	22.15	22.42	22.25	23.3	0.5		
40	QPSK	108	54	22.18	22.43	22.29	23.8	0.0		
40	QPSK	108	108	21.86	21.96	21.80	23.3	0.5		
40	QPSK	216	0	21.95	21.95	21.85				
40	16QAM	1	1	21.66	21.64	21.60	23.3	0.5		
40	16QAM	1	1	20.13	20.22	20.07	21.8	2.0		
40	256QAM	1	1	18.80	18.73	18.65	19.8	4.0		
Channel				376500	376000	376500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1867.5	1880	1892.5				
35	QPSK	1	1	22.19	22.45	22.13	0.0	0.0		
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1895	1890	1895				
30	QPSK	1	1	22.19	22.40	22.14	0.0	0.0		
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1892.5	1880	1897.5				
25	QPSK	1	1	22.16	22.40	22.08	23.8	0.0		
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1890	1880	1900				
20	QPSK	1	1	22.13	22.38	22.08	23.8	0.0		
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1897.5	1880	1902.5				
15	QPSK	1	1	22.17	22.40	22.00	23.8	0.0		
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1895	1880	1905				
10	QPSK	1	1	22.14	22.48	22.09	19.8	2.0		
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1892.5	1880	1897.5				
5	QPSK	1	1	22.11	22.45	22.06	19.8	2.0		

n7 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				505000	507000	509000				
Frequency (MHz)				2625	2635	2645				
50	PI2 BPSK	1	1	21.54	21.80	21.51				
50	PI2 BPSK	1	135	21.48	21.53	21.41			22.7	0.0
50	PI2 BPSK	1	268	21.23	21.32	21.13				
50	PI2 BPSK	135	0	21.49	21.80	21.47			22.7	0.0
50	PI2 BPSK	135	68	21.44	21.54	21.50			22.7	0.0
50	PI2 BPSK	135	135	21.19	21.40	21.18			22.7	0.0
50	PI2 BPSK	270	0	21.56	21.56	21.46				
50	QPSK	1	1	21.44	21.81	21.42			22.7	0.0
50	QPSK	1	135	21.20	21.37	21.23				
50	QPSK	1	268	21.52	21.58	21.53				
50	QPSK	135	0	21.45	21.51	21.50	22.7	0.0		
50	QPSK	135	68	21.22	21.57	21.23	22.7	0.0		
50	QPSK	135	135	21.40	21.50	21.47			22.7	0.0
50	QPSK	270	0	21.47	21.48	21.38				
50	16QAM	1	1	21.20	21.32	21.16	22.7	0.0		
50	16QAM	1	1	20.07	20.18	20.17	21.7	1.0		
50	256QAM	1	1	18.75	18.69	18.66	19.7	3.0		
Channel				503000	507000	510000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2620	2635	2650				
40	QPSK	1	1	21.38	21.55	21.30	22.7	0.0		
Channel				501000	507000	510500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2617.5	2635	2652.5				
35	QPSK	1	1	21.36	21.56	21.20	22.7	0.0		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2615	2635	2655				
30	QPSK	1	1	21.36	21.54	21.32	22.7	0.0		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2612.5	2635	2657.5				
25	QPSK	1	1	21.34	21.49	21.28	22.7	0.0		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2610	2635	2660				
20	PI2 BPSK	1	1	21.32	21.54	21.34	22.7	0.0		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2607.5	2635	2662.5				
15	QPSK	1	1	21.29	21.52	21.37	22.7	0.0		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2605	2635	2665				
10	QPSK	1	1	21.31	21.55	21.30	22.7	0.0		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2602.5	2635	2667.5				
5	QPSK	1	1	21.32	21.50	21.37	22.7	0.0		

n66 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				346500	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	PI2 BPSK	1	1	22.08	22.16	21.98				
40	PI2 BPSK	1	108	21.82	21.94	21.88			23.8	0.0
40	PI2 BPSK	1	214	21.95	21.99	21.96				
40	PI2 BPSK	108	0	22.14	22.10	22.05			23.8	0.0
40	PI2 BPSK	108	54	21.85	21.99	21.81			23.8	0.0
40	PI2 BPSK	108	108	21.90	21.97	21.85			23.8	0.0
40	PI2 BPSK	216	0	22.12	22.11	21.99				
40	QPSK	1	1	21.88	22.16	21.81			23.8	0.0
40	QPSK	1	108	22.08	21.85	21.82				
40	QPSK	1	214	22.09	22.15	22.05				
40	QPSK	108	0	21.84	21.97	21.85	23.8	0.0		
40	QPSK	108	54	22.07	22.14	22.01	23.8	0.0		
40	QPSK	108	108	22.13	22.11	22.07			23.8	0.0
40	QPSK	216	0	21.82	21.98	21.87				
40	16QAM	1	1	21.86	21.91	21.94	23.8	0.0		
40	16QAM	1	1	20.74	20.32	20.62	22.3	1.5		
40	256QAM	1	1	18.89	18.93	18.92	20.3	3.5		
Channel				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1727.5	1745	1762.5				
35	QPSK	1	1	21.79	22.06	21.71	23.8	0.0		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	1	21.85	22.03	21.80	23.8	0.0		
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1722.5	1745	1767.5				
25	QPSK	1	1	21.81	22.09	21.92	23.8	0.0		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	1	21.97	22.04	21.98	23.8	0.0		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	21.81	22.12	21.86	23.8	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	21.84	22.07	21.87	23.8	0.0		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	21.97	22.06	21.94	23.8	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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	20.42	20.58	20.40			
40	PI/2 BPSK	1	53	20.37	20.56	20.41	22.2	0.0	
40	PI/2 BPSK	1	104	20.44	20.54	20.57			
40	PI/2 BPSK	50	0	20.40	20.58	20.37	22.2	0.0	
40	PI/2 BPSK	50	28	20.39	20.60	20.37	22.2	0.0	
40	PI/2 BPSK	50	56	20.37	20.62	20.61	22.2	0.0	
40	PI/2 BPSK	100	0	20.45	20.57	20.38			
40	QPSK	1	1	20.38	20.64	20.45			
40	QPSK	1	53	20.39	20.63	20.55	22.2	0.0	
40	QPSK	1	104	20.43	20.60	20.35			
40	QPSK	50	0	20.41	20.53	20.40	22.2	0.0	
40	QPSK	50	28	20.36	20.58	20.56	22.2	0.0	
40	QPSK	50	56	20.44	20.56	20.41			
40	QPSK	100	0	20.45	20.61	20.47	22.2	0.0	
40	16QAM	1	1	20.36	20.54	20.56	22.2	0.0	
40	64QAM	1	1	20.35	20.41	20.36	22.2	0.0	
40	256QAM	1	1	18.68	18.79	18.82	20.2	2.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	22.2	0.0	
30	QPSK	1	1	20.24	20.49	20.34	22.2	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	22.2	0.0	
25	QPSK	1	1	20.24	20.50	20.38	22.2	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	22.2	0.0	
20	QPSK	1	1	20.31	20.51	20.36	22.2	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	22.2	0.0	
15	QPSK	1	1	20.23	20.60	20.35	22.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	22.2	0.0	
10	QPSK	1	1	20.31	20.56	20.36	22.2	0.0	

n41 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	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.58	20.69	20.60			
100	PI/2 BPSK	1	137	20.57	20.59	20.48	22.2	0.0	
100	PI/2 BPSK	1	271	20.37	20.57	20.36			
100	PI/2 BPSK	135	0	20.64	20.73	20.67	22.2	0.0	
100	PI/2 BPSK	135	69	20.58	20.62	20.50	22.2	0.0	
100	PI/2 BPSK	135	138	20.33	20.60	20.39	22.2	0.0	
100	PI/2 BPSK	270	0	20.53	20.73	20.62			
100	QPSK	1	1	20.56	20.77	20.45			
100	QPSK	1	137	20.29	20.54	20.47	22.2	0.0	
100	QPSK	1	271	20.65	20.80	20.60			
100	QPSK	135	0	20.57	20.83	20.47	22.2	0.0	
100	QPSK	135	69	20.36	20.85	20.34	22.2	0.0	
100	QPSK	135	138	20.80	20.82	20.82	22.2	0.0	
100	QPSK	270	0	20.60	20.63	20.53			
100	16QAM	1	1	20.35	20.53	20.40	22.2	0.0	
100	64QAM	1	1	20.64	20.73	20.61	22.2	0.0	
100	256QAM	1	1	18.70	18.84	18.47	20.2	2.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	22.2	0.0	
90	QPSK	1	1	20.40	20.64	20.41	22.2	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	22.2	0.0	
80	QPSK	1	1	20.40	20.88	20.32	22.2	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	22.2	0.0	
70	QPSK	1	1	20.48	20.70	20.35	22.2	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	22.2	0.0	
60	QPSK	1	1	20.50	20.67	20.39	22.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	22.2	0.0	
50	QPSK	1	1	20.47	20.86	20.40	22.2	0.0	
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48	22.2	0.0	
45	QPSK	1	1	20.48	20.70	20.37	22.2	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	22.2	0.0	
40	QPSK	1	1	20.40	20.66	20.39	22.2	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49	22.2	0.0	
35	QPSK	1	1	20.44	20.71	20.34	22.2	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	22.2	0.0	
30	QPSK	1	1	20.47	20.67	20.32	22.2	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5	22.2	0.0	
25	QPSK	1	1	20.43	20.61	20.38	22.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	22.2	0.0	
20	QPSK	1	1	20.51	20.62	20.33	22.2	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	22.2	0.0	
15	QPSK	1	1	20.41	20.66	20.33	22.2	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	22.2	0.0	
10	QPSK	1	1	20.46	20.62	20.30	22.2	0.0	

n38 Ant9									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	18.06	18.21	18.18	19.5	0.0	
40	PI/2 BPSK	1	53	18.06	18.14	18.15			
40	PI/2 BPSK	1	104	18.10	18.11	18.05			
40	PI/2 BPSK	50	0	18.11	18.16	18.18	19.5	0.0	
40	PI/2 BPSK	50	28	18.08	18.09	18.16	19.5	0.0	
40	PI/2 BPSK	50	56	18.04	18.16	18.11	19.5	0.0	
40	PI/2 BPSK	100	0	18.12	18.23	18.09			
40	QPSK	1	1	17.97	18.26	18.13	19.5	0.0	
40	QPSK	1	53	18.05	18.13	18.07			
40	QPSK	1	104	18.07	18.24	18.09			
40	QPSK	50	0	18.01	18.09	18.11	19.5	0.0	
40	QPSK	50	28	18.07	18.23	18.01	19.5	0.0	
40	QPSK	50	56	18.14	18.18	18.20			
40	QPSK	100	0	18.05	18.12	18.11	19.5	0.0	
40	16QAM	1	1	18.08	18.17	18.16	19.5	0.0	
40	64QAM	1	1	18.01	18.10	18.10	19.5	0.0	
40	256QAM	1	1	17.99	18.11	18.05	19.5	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	19.5	0.0	
30	QPSK	1	1	17.86	18.11	17.97	19.5	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	19.5	0.0	
25	QPSK	1	1	17.85	18.10	18.02	19.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	19.5	0.0	
20	QPSK	1	1	17.87	18.16	18.08	19.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	19.5	0.0	
15	QPSK	1	1	17.90	18.17	17.98	19.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	19.5	0.0	
10	QPSK	1	1	17.88	18.21	17.99	19.5	0.0	

n41 Ant9									
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	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.11	18.16	18.22	19.5	0.0	
100	PI/2 BPSK	1	137	17.99	18.19	18.06			
100	PI/2 BPSK	1	271	17.88	18.11	18.03			
100	PI/2 BPSK	135	0	18.09	18.19	18.15	19.5	0.0	
100	PI/2 BPSK	135	69	17.93	18.16	18.02	19.5	0.0	
100	PI/2 BPSK	135	138	17.86	18.08	18.04	19.5	0.0	
100	PI/2 BPSK	270	0	18.12	18.25	18.19			
100	QPSK	1	1	17.99	18.34	18.07	19.5	0.0	
100	QPSK	1	137	17.85	18.01	18.06			
100	QPSK	1	271	18.15	18.26	18.19			
100	QPSK	135	0	17.98	18.14	18.03	19.5	0.0	
100	QPSK	135	69	17.89	18.20	17.97	19.5	0.0	
100	QPSK	135	138	18.12	18.24	18.21			
100	QPSK	270	0	17.91	18.18	18.10	19.5	0.0	
100	16QAM	1	1	18.16	18.18	18.25	19.5	0.0	
100	64QAM	1	1	17.87	18.20	18.05	19.5	0.0	
100	256QAM	1	1	17.89	18.05	17.95	19.5	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	19.5	0.0	
90	QPSK	1	1	17.90	18.21	17.97	19.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	19.5	0.0	
80	QPSK	1	1	17.95	18.21	18.00	19.5	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	19.5	0.0	
70	QPSK	1	1	17.90	18.26	18.02	19.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	19.5	0.0	
60	QPSK	1	1	17.86	18.20	17.98	19.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	19.5	0.0	
50	QPSK	1	1	17.89	18.22	18.02	19.5	0.0	
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48	19.5	0.0	
45	QPSK	1	1	17.91	18.19	17.95	19.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	19.5	0.0	
40	QPSK	1	1	17.86	18.22	17.94	19.5	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49	19.5	0.0	
35	QPSK	1	1	17.84	18.23	17.95	19.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	19.5	0.0	
30	QPSK	1	1	17.88	18.23	18.02	19.5	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5	19.5	0.0	
25	QPSK	1	1	17.84	18.21	17.96	19.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	19.5	0.0	
20	QPSK	1	1	17.84	18.21	17.95	19.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	19.5	0.0	
15	QPSK	1	1	17.86	18.29	17.93	19.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	19.5	0.0	
10	QPSK	1	1	17.88	18.21	17.92	19.5	0.0	

Reduced Power Mode for EC17\_Other PA

n38 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2590.02	2595	2599.98			
Frequency (MHz)				18.12	18.21	18.17			
40	PI/2 BPSK	1	1	18.12	18.21	18.17			
40	PI/2 BPSK	1	53	18.01	18.11	18.00	19.3	0.0	
40	PI/2 BPSK	1	104	18.05	18.20	17.99			
40	PI/2 BPSK	50	0	18.14	18.20	18.11	19.3	0.0	
40	PI/2 BPSK	50	28	18.04	18.08	18.07	19.3	0.0	
40	PI/2 BPSK	50	56	18.06	18.17	18.04			
40	PI/2 BPSK	100	0	18.11	18.22	18.07	19.3	0.0	
40	QPSK	1	1	18.03	18.23	18.05			
40	QPSK	1	53	18.01	18.19	18.02	19.3	0.0	
40	QPSK	1	104	18.10	18.22	18.16			
40	QPSK	50	0	18.10	18.13	18.01	19.3	0.0	
40	QPSK	50	28	18.05	18.20	18.00	19.3	0.0	
40	QPSK	50	56	18.19	18.10	18.17			
40	QPSK	100	0	18.01	18.09	18.07	19.3	0.0	
40	16QAM	1	1	18.05	18.14	18.00	19.3	0.0	
40	64QAM	1	1	18.13	18.20	18.19	19.3	0.0	
40	256QAM	1	1	18.15	18.20	18.20	19.3	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	17.98	18.10	17.99	19.3	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	17.90	18.17	17.91	19.3	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	17.83	18.12	17.89	19.3	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	17.92	18.10	17.98	19.3	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	17.90	18.13	18.00	19.3	0.0	

n41 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.16	18.26	18.02			
100	PI/2 BPSK	1	137	17.88	18.12	18.07	19.3	0.0	
100	PI/2 BPSK	1	271	17.89	17.92	17.90			
100	PI/2 BPSK	135	0	18.10	18.27	18.03	19.3	0.0	
100	PI/2 BPSK	135	69	17.92	18.11	18.07	19.3	0.0	
100	PI/2 BPSK	135	138	17.98	17.95	17.90			
100	PI/2 BPSK	270	0	18.17	18.26	17.99	19.3	0.0	
100	QPSK	1	1	17.92	18.29	17.88			
100	QPSK	1	137	17.95	17.91	17.89	19.3	0.0	
100	QPSK	1	271	18.15	18.24	17.99			
100	QPSK	135	0	17.88	18.12	18.09	19.3	0.0	
100	QPSK	135	69	17.96	18.27	17.84	19.3	0.0	
100	QPSK	135	138	18.21	18.26	18.04			
100	QPSK	270	0	17.93	18.13	18.10	19.3	0.0	
100	16QAM	1	1	17.96	17.97	17.92	19.3	0.0	
100	64QAM	1	1	18.13	18.12	18.04	19.3	0.0	
100	256QAM	1	1	18.11	18.11	18.10	19.3	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.79	18.25	17.89	19.3	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.85	18.20	17.86	19.3	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	17.83	18.21	17.86	19.3	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	17.87	18.15	17.88	19.3	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.78	18.25	17.93	19.3	0.0	
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	17.83	18.14	17.90	19.3	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.80	18.16	17.93	19.3	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	17.79	18.23	17.86	19.3	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.82	18.14	17.84	19.3	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.51	2592.99	2677.5			
25	QPSK	1	1	17.78	18.13	17.83	19.3	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.83	18.16	17.90	19.3	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	17.85	18.19	17.86	19.3	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	17.78	18.15	17.91	19.3	0.0	

n2 Ant1									
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)				1870	1880	1890			
40	PI2 BPSK	1	1	13.58	13.67	13.58			
40	PI2 BPSK	1	108	13.43	13.45	13.37		0.0	
40	PI2 BPSK	1	214	13.48	13.56	13.39			
40	PI2 BPSK	108	0	13.83	13.81	13.84	14.7	0.0	
40	PI2 BPSK	108	54	13.41	13.44	13.40	14.7	0.0	
40	PI2 BPSK	108	108	13.52	13.50	13.31	14.7	0.0	
40	PI2 BPSK	216	0	13.67	13.69	13.58			
40	QPSK	1	1	13.42	13.36	13.36			
40	QPSK	1	108	13.52	13.50	13.34	14.7	0.0	
40	QPSK	1	214	13.59	13.69	13.65			
40	QPSK	108	0	13.43	13.56	13.45	14.7	0.0	
40	QPSK	108	54	13.44	13.67	13.41	14.7	0.0	
40	QPSK	108	108	13.05	13.60	13.55			
40	QPSK	216	0	13.46	13.70	13.35			
40	16QAM	1	1	13.42	13.51	13.31	14.7	0.0	
40	64QAM	1	1	13.58	13.65	13.63	14.7	0.0	
40	256QAM	1	1	13.44	13.54	13.43	14.7	0.0	
Channel									
Frequency (MHz)				37650	37600	37600			
35	QPSK	1	1	13.28	13.81	13.21	0.0	0.0	
Channel									
Frequency (MHz)				37300	37600	37900			
30	QPSK	1	1	13.54	13.81	13.29	0.0	0.0	
Channel									
Frequency (MHz)				37250	37600	37950			
25	QPSK	1	1	13.34	13.79	13.31	14.7	0.0	
Channel									
Frequency (MHz)				37200	37600	38000			
20	QPSK	1	1	13.30	13.79	13.20	14.7	0.0	
Channel									
Frequency (MHz)				37150	37600	38050			
15	QPSK	1	1	13.50	13.80	13.29	14.7	0.0	
Channel									
Frequency (MHz)				37100	37600	38100			
10	QPSK	1	1	13.33	13.78	13.27	14.7	0.0	
Channel									
Frequency (MHz)				37050	37600	38150			
5	QPSK	1	1	13.29	13.70	13.30	14.7	0.0	

n7 Ant1									
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)				2625	2635	2645			
50	PI2 BPSK	1	1	14.71	14.77	14.73			
50	PI2 BPSK	1	135	14.61	14.81	14.45	15.8	0.0	
50	PI2 BPSK	1	268	14.46	14.51	14.53			
50	PI2 BPSK	135	0	14.87	14.71	14.70	15.8	0.0	
50	PI2 BPSK	135	68	14.58	14.64	14.45	15.8	0.0	
50	PI2 BPSK	135	135	14.43	14.51	14.57	15.8	0.0	
50	PI2 BPSK	270	0	14.73	14.79	14.72			
50	QPSK	1	1	14.54	14.81	14.46			
50	QPSK	1	135	14.48	14.56	14.50	15.8	0.0	
50	QPSK	1	268	14.66	14.75	14.72			
50	QPSK	135	0	14.60	14.87	14.39	15.8	0.0	
50	QPSK	135	68	14.46	14.76	14.57	15.8	0.0	
50	QPSK	135	135	14.75	14.71	14.71	15.8	0.0	
50	QPSK	270	0	14.52	14.55	14.40			
50	16QAM	1	1	14.50	14.49	14.53	15.8	0.0	
50	64QAM	1	1	14.71	14.79	14.72	15.8	0.0	
50	256QAM	1	1	14.53	14.66	14.39	15.8	0.0	
Channel									
Frequency (MHz)				50200	50700	50200			
40	QPSK	1	1	14.41	14.73	14.37	15.8	0.0	
Channel									
Frequency (MHz)				50300	50700	50300			
35	QPSK	1	1	14.42	14.76	14.25	15.9	0.0	
Channel									
Frequency (MHz)				50300	50700	51000			
30	QPSK	1	1	14.43	14.74	14.37	15.8	0.0	
Channel									
Frequency (MHz)				50250	50700	51150			
25	QPSK	1	1	14.44	14.75	14.32	15.8	0.0	
Channel									
Frequency (MHz)				50200	50700	51200			
20	PI2 BPSK	1	1	14.40	14.76	14.39	15.9	0.0	
Channel									
Frequency (MHz)				2597.5	2635	2592.5			
15	QPSK	1	1	14.41	14.70	14.31	15.8	0.0	
Channel									
Frequency (MHz)				50100	50700	51300			
10	QPSK	1	1	14.45	14.71	14.33	15.8	0.0	
Channel									
Frequency (MHz)				50050	50700	51350			
5	QPSK	1	1	14.48	14.75	14.38	15.8	0.0	

n66 Ant1									
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)				1730	1745	1760			
40	PI2 BPSK	1	1	15.58	15.69	15.64			
40	PI2 BPSK	1	108	15.48	15.65	15.52	17.0	0.0	
40	PI2 BPSK	1	214	15.82	15.52	15.36			
40	PI2 BPSK	108	0	15.88	15.71	15.87	17.0	0.0	
40	PI2 BPSK	108	54	15.49	15.67	15.55	17.0	0.0	
40	PI2 BPSK	108	108	15.82	15.81	15.44	17.0	0.0	
40	PI2 BPSK	216	0	15.63	15.72	15.89			
40	QPSK	1	1	15.51	15.75	15.54			
40	QPSK	1	108	15.54	15.52	15.40	17.0	0.0	
40	QPSK	1	214	15.84	15.67	15.61			
40	QPSK	108	0	15.48	15.57	15.60	17.0	0.0	
40	QPSK	108	54	15.55	15.70	15.39	17.0	0.0	
40	QPSK	108	108	15.67	15.65	15.69			
40	QPSK	216	0	15.55	15.84	15.61			
40	16QAM	1	1	15.53	15.52	15.48	17.0	0.0	
40	64QAM	1	1	15.67	15.46	15.63	17.0	0.0	
40	256QAM	1	1	15.49	15.59	15.54	17.0	0.0	
Channel									
Frequency (MHz)				34500	34900	34500			
35	QPSK	1	1	15.43	15.61	15.45	17.0	0.0	
Channel									
Frequency (MHz)				34500	34900	35000			
30	QPSK	1	1	15.44	15.54	15.41	17.0	0.0	
Channel									
Frequency (MHz)				34450	34900	35050			
25	QPSK	1	1	15.41	15.67	15.44	17.0	0.0	
Channel									
Frequency (MHz)				34400	34900	35000			
20	QPSK	1	1	15.48	15.70	15.47	17.0	0.0	
Channel									
Frequency (MHz)				34350	34900	35050			
15	QPSK	1	1	15.35	15.68	15.47	17.0	0.0	
Channel									
Frequency (MHz)				34300	34900	35000			
10	QPSK	1	1	15.42	15.71	15.40	17.0	0.0	
Channel									
Frequency (MHz)				34250	34900	35050			
5	QPSK	1	1	15.36	15.59	15.44	17.0	0.0	

n38 Ant1									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	15.90	16.10	16.00	17.7	0.0	
40	PI/2 BPSK	1	53	15.80	15.79	15.84			
40	PI/2 BPSK	1	104	15.90	15.71	15.88			
40	PI/2 BPSK	50	0	15.99	16.04	15.99	17.7	0.0	
40	PI/2 BPSK	50	28	15.86	15.86	15.91	17.7	0.0	
40	PI/2 BPSK	50	56	15.96	15.76	15.91	17.7	0.0	
40	PI/2 BPSK	100	0	15.94	16.05	15.97			
40	QPSK	1	1	15.84	16.21	15.92	17.7	0.0	
40	QPSK	1	53	15.80	15.71	15.96			
40	QPSK	1	104	15.89	16.04	15.99			
40	QPSK	50	0	15.89	15.80	15.89	17.7	0.0	
40	QPSK	50	28	15.97	16.13	16.06	17.7	0.0	
40	QPSK	50	56	15.94	16.12	16.01			
40	QPSK	100	0	15.86	15.95	15.90	17.7	0.0	
40	16QAM	1	1	15.80	15.71	16.11	17.7	0.0	
40	64QAM	1	1	15.97	16.14	15.93	17.7	0.0	
40	256QAM	1	1	15.89	15.82	15.85	17.7	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	15.82	16.17	15.77	17.7	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	15.87	16.16	15.76	17.7	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	15.83	16.17	15.79	17.7	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	15.95	16.14	15.86	17.7	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	15.85	16.15	15.82	17.7	0.0	

n41 Ant1									
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	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.30	16.50	16.40			
100	PI/2 BPSK	1	137	16.25	16.34	16.19	17.7	0.0	
100	PI/2 BPSK	1	271	16.12	16.29	16.10			
100	PI/2 BPSK	135	0	16.33	16.47	16.39	17.7	0.0	
100	PI/2 BPSK	135	69	16.22	16.36	16.21	17.7	0.0	
100	PI/2 BPSK	135	138	16.15	16.25	16.03	17.7	0.0	
100	PI/2 BPSK	270	0	16.38	16.42	16.45			
100	QPSK	1	1	16.17	16.53	16.13			
100	QPSK	1	137	16.15	16.26	16.04	17.7	0.0	
100	QPSK	1	271	16.32	16.48	16.40			
100	QPSK	135	0	16.21	16.37	16.21	17.7	0.0	
100	QPSK	135	69	16.21	16.41	16.06	17.7	0.0	
100	QPSK	135	138	16.32	16.39	16.37			
100	QPSK	270	0	16.20	16.32	16.16	17.7	0.0	
100	16QAM	1	1	16.18	16.22	16.07	17.7	0.0	
100	64QAM	1	1	16.35	16.51	16.37	17.7	0.0	
100	256QAM	1	1	16.25	16.42	16.19	17.7	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	16.06	16.44	16.01	17.7	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	16.02	16.41	15.97	17.7	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	16.04	16.42	16.09	17.7	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	16.13	16.44	16.00	17.7	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	16.02	16.38	16.07	17.7	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	16.02	16.38	16.04	17.7	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	16.13	16.41	16.03	17.7	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	16.01	16.39	16.01	17.7	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.11	16.44	16.09	17.7	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	16.06	16.40	16.02	17.7	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.11	16.43	16.00	17.7	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	16.04	16.39	16.01	17.7	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	16.03	16.44	16.05	17.7	0.0	



n2 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									
Frequency (MHz)									
40	PI2 BPSK	1	1	19.90	20.03	19.90			
40	PI2 BPSK	1	108	19.66	19.97	19.76	21.2	0.0	
40	PI2 BPSK	1	214	19.70	19.90	19.78			
40	PI2 BPSK	108	0	19.94	19.98	19.81	21.2	0.0	
40	PI2 BPSK	108	54	19.66	19.89	19.71	21.2	0.0	
40	PI2 BPSK	108	108	19.77	19.87	19.82	21.2	0.0	
40	PI2 BPSK	216	0	19.98	19.92	19.88			
40	QPSK	1	1	19.71	20.06	19.74			
40	QPSK	1	108	19.68	19.85	19.85	21.2	0.0	
40	QPSK	1	214	19.90	19.96	19.91			
40	QPSK	108	0	19.73	19.89	19.77	21.2	0.0	
40	QPSK	108	54	19.73	19.95	19.87	21.2	0.0	
40	QPSK	108	108	19.89	19.93	19.89			
40	QPSK	216	0	19.85	19.94	19.71			
40	16QAM	1	1	19.72	19.93	19.85	21.2	0.0	
40	16QAM	1	1	19.68	19.96	19.83	21.2	0.0	
40	256QAM	1	1	19.80	19.73	19.65	19.7	1.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	19.64	19.98	19.63	0.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.85	19.90	19.85	0.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.63	19.90	19.68	21.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.65	19.97	19.70	21.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.63	20.00	19.63	21.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.65	19.92	19.64	21.2	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.66	19.90	19.69	21.2	0.0	

n7 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									
Frequency (MHz)									
50	PI2 BPSK	1	1	20.98	21.10	21.00			
50	PI2 BPSK	1	135	20.99	21.02	20.97	22.2	0.0	
50	PI2 BPSK	1	268	20.76	20.90	20.71			
50	PI2 BPSK	135	0	21.08	21.06	20.99	22.2	0.0	
50	PI2 BPSK	135	68	20.99	21.00	20.90	22.2	0.0	
50	PI2 BPSK	135	135	20.76	20.81	20.73	22.2	0.0	
50	PI2 BPSK	270	0	21.04	21.08	20.98			
50	QPSK	1	1	20.99	21.23	20.92			
50	QPSK	1	135	20.72	20.88	20.64	22.2	0.0	
50	QPSK	1	268	21.09	21.07	20.96			
50	QPSK	135	0	20.93	21.05	20.95	22.2	0.0	
50	QPSK	135	68	20.76	21.14	20.71	22.2	0.0	
50	QPSK	135	135	21.06	21.12	20.95	22.2	0.0	
50	QPSK	270	0	20.98	21.01	20.94			
50	16QAM	1	1	20.68	20.89	20.63	22.2	0.0	
50	16QAM	1	1	20.07	20.18	20.17	21.7	0.5	
50	256QAM	1	1	19.75	19.69	19.66	19.7	2.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.88	21.13	20.79	22.2	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	20.90	21.10	20.83	22.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.91	21.14	20.79	22.2	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.92	21.17	20.77	22.2	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	20.83	21.19	20.87	22.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.95	21.11	20.86	22.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.90	21.11	20.81	22.2	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.91	21.11	20.86	22.2	0.0	

n66 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									
Frequency (MHz)									
40	PI2 BPSK	1	1	20.12	20.12	19.98			
40	PI2 BPSK	1	108	19.80	19.93	19.80	21.5	0.0	
40	PI2 BPSK	1	214	19.87	19.87	19.82			
40	PI2 BPSK	108	0	20.10	20.14	20.06	21.5	0.0	
40	PI2 BPSK	108	54	19.82	19.99	19.83	21.5	0.0	
40	PI2 BPSK	108	108	19.68	19.81	19.85	21.5	0.0	
40	PI2 BPSK	216	0	20.07	20.21	20.01			
40	QPSK	1	1	19.83	20.22	19.83			
40	QPSK	1	108	19.81	19.79	19.79	21.5	0.0	
40	QPSK	1	214	20.11	20.14	20.08			
40	QPSK	108	0	19.82	19.95	19.79	21.5	0.0	
40	QPSK	108	54	19.61	20.18	19.76	21.5	0.0	
40	QPSK	108	108	20.12	20.14	20.04			
40	QPSK	216	0	19.85	19.96	19.79			
40	16QAM	1	1	19.61	19.86	19.85	21.5	0.0	
40	16QAM	1	1	20.07	20.15	20.08	21.5	0.0	
40	256QAM	1	1	19.89	19.93	19.92	20.0	1.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	19.74	20.13	19.76	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.76	20.18	19.79	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.69	20.14	19.75	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.77	20.14	19.79	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.77	20.14	19.79	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.74	20.16	19.69	21.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.76	20.06	19.75	21.5	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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	20.50	20.61	20.47			
40	PI/2 BPSK	1	53	20.49	20.53	20.36	22.2	0.0	
40	PI/2 BPSK	1	104	20.57	20.39	20.28			
40	PI/2 BPSK	50	0	20.46	20.63	20.50	22.2	0.0	
40	PI/2 BPSK	50	28	20.48	20.46	20.38	22.2	0.0	
40	PI/2 BPSK	50	56	20.46	20.42	20.23	22.2	0.0	
40	PI/2 BPSK	100	0	20.45	20.53	20.56			
40	QPSK	1	1	20.49	20.65	20.35			
40	QPSK	1	53	20.21	20.45	20.49	22.2	0.0	
40	QPSK	1	104	20.52	20.54	20.51			
40	QPSK	50	0	20.49	20.51	20.43	22.2	0.0	
40	QPSK	50	28	20.21	20.56	20.24	22.2	0.0	
40	QPSK	50	56	20.46	20.54	20.50	22.2	0.0	
40	QPSK	100	0	20.50	20.52	20.39	22.2	0.0	
40	16QAM	1	1	20.40	20.47	20.24	22.2	0.0	
40	64QAM	1	1	20.46	20.61	20.48	22.2	0.0	
40	256QAM	1	1	18.68	18.79	18.82	20.2	2.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	22.2	0.0	
30	QPSK	1	1	20.41	20.53	20.21	22.2	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	22.2	0.0	
25	QPSK	1	1	20.43	20.54	20.27	22.2	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	22.2	0.0	
20	QPSK	1	1	20.39	20.60	20.24	22.2	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	22.2	0.0	
15	QPSK	1	1	20.42	20.50	20.31	22.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	22.2	0.0	
10	QPSK	1	1	20.36	20.56	20.28	22.2	0.0	

n41 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	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.58	20.73	20.58			
100	PI/2 BPSK	1	137	20.55	20.55	20.50	22.2	0.0	
100	PI/2 BPSK	1	271	20.28	20.56	20.37			
100	PI/2 BPSK	135	0	20.60	20.64	20.63	22.2	0.0	
100	PI/2 BPSK	135	69	20.56	20.58	20.49	22.2	0.0	
100	PI/2 BPSK	135	138	20.37	20.49	20.39	22.2	0.0	
100	PI/2 BPSK	270	0	20.57	20.74	20.57			
100	QPSK	1	1	20.64	20.75	20.54			
100	QPSK	1	137	20.30	20.50	20.32	22.2	0.0	
100	QPSK	1	271	20.58	20.72	20.56			
100	QPSK	135	0	20.60	20.62	20.46	22.2	0.0	
100	QPSK	135	69	20.26	20.74	20.30	22.2	0.0	
100	QPSK	135	138	20.80	20.73	20.67	22.2	0.0	
100	QPSK	270	0	20.65	20.66	20.56			
100	16QAM	1	1	20.27	20.58	20.32	22.2	0.0	
100	64QAM	1	1	20.55	20.67	20.61	22.2	0.0	
100	256QAM	1	1	18.70	18.84	18.47	20.2	2.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	22.2	0.0	
90	QPSK	1	1	20.50	20.66	20.48	22.2	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	22.2	0.0	
80	QPSK	1	1	20.58	20.63	20.44	22.2	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	22.2	0.0	
70	QPSK	1	1	20.60	20.66	20.42	22.2	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	22.2	0.0	
60	QPSK	1	1	20.54	20.70	20.46	22.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	22.2	0.0	
50	QPSK	1	1	20.52	20.65	20.41	22.2	0.0	
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48	22.2	0.0	
45	QPSK	1	1	20.52	20.65	20.45	22.2	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	22.2	0.0	
40	QPSK	1	1	20.54	20.63	20.43	22.2	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49	22.2	0.0	
35	QPSK	1	1	20.50	20.59	20.40	22.2	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	22.2	0.0	
30	QPSK	1	1	20.53	20.69	20.41	22.2	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5	22.2	0.0	
25	QPSK	1	1	20.56	20.62	20.49	22.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	22.2	0.0	
20	QPSK	1	1	20.49	20.63	20.43	22.2	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	22.2	0.0	
15	QPSK	1	1	20.50	20.62	20.48	22.2	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	22.2	0.0	
10	QPSK	1	1	20.60	20.61	20.49	22.2	0.0	

n38 Ant9									
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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	12.40	12.47	12.50	14.1	0.0	
40	PI/2 BPSK	1	53	12.24	12.43	12.38			
40	PI/2 BPSK	1	104	12.12	12.35	12.33			
40	PI/2 BPSK	50	0	12.45	12.51	12.43	14.1	0.0	
40	PI/2 BPSK	50	28	12.20	12.48	12.32	14.1	0.0	
40	PI/2 BPSK	50	56	12.14	12.35	12.35	14.1	0.0	
40	PI/2 BPSK	100	0	12.48	12.57	12.49			
40	QPSK	1	1	12.22	12.61	12.43	14.1	0.0	
40	QPSK	1	53	12.15	12.41	12.33			
40	QPSK	1	104	12.47	12.55	12.46			
40	QPSK	50	0	12.23	12.49	12.35	14.1	0.0	
40	QPSK	50	28	12.13	12.54	12.26	14.1	0.0	
40	QPSK	50	56	12.37	12.52	12.51			
40	QPSK	100	0	12.20	12.53	12.41	14.1	0.0	
40	16QAM	1	1	12.11	12.31	12.34	14.1	0.0	
40	64QAM	1	1	12.39	12.45	12.54	14.1	0.0	
40	256QAM	1	1	12.27	12.50	12.32	14.1	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	14.1	0.0	
30	QPSK	1	1	12.12	12.53	12.32	14.1	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	14.1	0.0	
25	QPSK	1	1	12.47	12.53	12.36	14.1	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	14.1	0.0	
20	QPSK	1	1	12.15	12.57	12.36	14.1	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	14.1	0.0	
15	QPSK	1	1	12.48	12.54	12.30	14.1	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	14.1	0.0	
10	QPSK	1	1	12.11	12.51	12.38	14.1	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	12.58	12.75	12.66	14.1	0.0	
100	PI/2 BPSK	1	137	12.45	12.69	12.62			
100	PI/2 BPSK	1	271	12.29	12.57	12.45			
100	PI/2 BPSK	135	0	12.66	12.75	12.64	14.1	0.0	
100	PI/2 BPSK	135	69	12.45	12.66	12.63	14.1	0.0	
100	PI/2 BPSK	135	138	12.36	12.66	12.63	14.1	0.0	
100	PI/2 BPSK	270	0	12.59	12.71	12.68			
100	QPSK	1	1	12.45	12.78	12.58	14.1	0.0	
100	QPSK	1	137	12.31	12.52	12.54			
100	QPSK	1	271	12.82	12.72	12.70			
100	QPSK	135	0	12.43	12.69	12.56	14.1	0.0	
100	QPSK	135	69	12.36	12.71	12.47	14.1	0.0	
100	QPSK	135	138	12.64	12.70	12.67	14.1	0.0	
100	QPSK	270	0	12.43	12.66	12.59			
100	16QAM	1	1	12.36	12.55	12.48	14.1	0.0	
100	64QAM	1	1	12.65	12.67	12.65	14.1	0.0	
100	256QAM	1	1	12.38	12.71	12.63	14.1	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	14.1	0.0	
90	QPSK	1	1	12.37	12.66	12.46	14.1	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	14.1	0.0	
80	QPSK	1	1	12.35	12.65	12.43	14.1	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	14.1	0.0	
70	QPSK	1	1	12.30	12.65	12.49	14.1	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	14.1	0.0	
60	QPSK	1	1	12.40	12.74	12.50	14.1	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	14.1	0.0	
50	QPSK	1	1	12.40	12.73	12.45	14.1	0.0	
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48	14.1	0.0	
45	QPSK	1	1	12.32	12.64	12.49	14.1	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	14.1	0.0	
40	QPSK	1	1	12.36	12.70	12.42	14.1	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49	14.1	0.0	
35	QPSK	1	1	12.30	12.68	12.46	14.1	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	14.1	0.0	
30	QPSK	1	1	12.33	12.62	12.48	14.1	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5	14.1	0.0	
25	QPSK	1	1	12.32	12.73	12.45	14.1	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	14.1	0.0	
20	QPSK	1	1	12.40	12.69	12.42	14.1	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	14.1	0.0	
15	QPSK	1	1	12.34	12.73	12.51	14.1	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	14.1	0.0	
10	QPSK	1	1	12.30	12.65	12.48	14.1	0.0	

Mode	Channel	Frequency (MHz)	Full Power				Hotspot	Extremely Standalone	Body worn Standalone		Head Standalone		Head/Extremely Standalone Body-worn DBS only		Head/Extremely Standalone Body-worn Simultaneous		Hotspot DBS		Body-worn DBS		Head/Extremely DBS Only		Duty Cycle %	
			Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit			Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit		Average power (dBm)
2.4GHz WLAN	802.11a 1Mbps	1	2412	21.98	22.50	14.01	15.50	20.93	22.00	18.00	17.50	18.94	21.50	14.48	16.00	11.99	13.00	16.99	12.50	8.96	10.00	17.93	19.00	99.31
		11	2484	21.14	22.50	14.22	15.50	20.86	22.00	16.01	17.50	20.21	21.50	14.74	16.00	11.19	13.00	11.19	12.50	8.96	10.00	17.69	19.00	
		13	2556	18.85	22.50	15.50	15.50	18.19	17.50	18.15	18.50	18.15	17.50	18.15	18.50	16.00	16.00	13.00	12.50	10.00	10.00	17.69	19.00	
	802.11g 1Mbps	6	2437	20.68	22.00	15.50	15.50	20.68	22.00	16.23	17.50	20.14	21.50	15.00	16.00	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00	97.47
		11	2484	17.82	19.00	15.50	15.50	17.62	19.00	16.00	16.00	17.62	19.00	16.00	16.00	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00	
		13	2556	18.03	22.50	15.50	15.50	18.03	22.50	15.50	15.50	18.03	22.50	15.50	15.50	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00	
	802.11n-HT40 MCS0	2	2417	19.63	21.00	15.50	15.50	21.00	21.00	17.50	17.50	21.00	21.00	16.00	16.00	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00	96.76
		2	2437	20.68	22.00	15.50	15.50	22.00	22.00	17.50	17.50	21.50	21.50	16.00	16.00	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00	
		10	2457	19.37	20.00	15.50	15.50	20.00	20.00	17.50	17.50	21.50	21.50	16.00	16.00	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00	
	802.11n-HT40 MCS0	11	2482	18.51	18.00	15.50	15.50	18.51	18.00	17.50	17.50	18.00	18.00	16.00	16.00	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00	96.77
		3	2462	16.48	18.00	15.50	15.50	18.00	18.00	17.50	17.50	18.00	18.00	16.00	16.00	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00	
		9	2452	14.79	16.00	15.50	15.50	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00	
802.11ac-HE20 MCS0	2	2417	19.73	21.00	15.50	15.50	21.00	21.00	17.50	17.50	21.00	21.00	16.00	16.00	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00	96.89	
	6	2437	20.74	22.00	15.50	15.50	22.00	22.00	17.50	17.50	21.50	21.50	16.00	16.00	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00		
	11	2482	16.74	18.00	15.50	15.50	18.00	18.00	17.50	17.50	18.00	18.00	16.00	16.00	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00		
802.11ac-HE40 MCS0	3	2422	16.85	18.50	15.50	15.50	18.50	18.50	17.50	17.50	18.50	18.50	16.00	16.00	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00	96.89	
	9	2452	15.14	16.50	15.50	15.50	16.50	16.50	17.50	17.50	18.00	18.00	16.00	16.00	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00		
	3	2422	16.85	18.50	15.50	15.50	18.50	18.50	17.50	17.50	18.50	18.50	16.00	16.00	13.00	12.50	10.00	10.00	10.00	10.00	19.00	19.00		

Mode	Channel	Frequency (MHz)	Full Power				Hotspot	Extremely Standalone	Body worn Standalone		Body-worn DBS only		Head Standalone		Head Simultaneous		Head DBS		Hotspot DBS		Extremely Simultaneous		Extremely DBS		Body-worn Simultaneous		Body-worn DBS		Head DBS only		Head Standalone		Duty Cycle %
			Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit			Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
5.2GHz WLAN	802.11a 1Mbps	36	5180	18.66	18.00	11.50	11.50	18.00	18.00	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00	96.97			
		40	5200	18.00	17.50	11.50	11.50	17.50	17.50	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00				
		44	5220	17.01	18.50	11.50	11.50	18.50	18.50	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00				
	802.11n-HT20 MCS0	48	5180	17.23	18.00	11.50	11.50	18.00	18.00	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00	96.76			
		42	5160	17.93	18.50	11.50	11.50	18.50	18.50	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00				
		44	5220	18.93	18.50	11.50	11.50	18.50	18.50	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00				
	802.11n-HT40 MCS0	48	5240	17.52	17.00	11.50	11.50	17.00	17.00	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00	93.67			
		38	5190	17.16	18.50	11.50	11.50	18.50	18.50	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00				
		46	5230	18.86	20.00	11.50	11.50	20.00	20.00	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00				
	802.11ac-VHT20 MCS0	40	5200	17.54	18.00	11.50	11.50	18.00	18.00	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00	96.79			
		44	5220	17.20	18.50	11.50	11.50	18.50	18.50	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00				
		48	5240	17.58	19.00	11.50	11.50	19.00	19.00	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00				
802.11ac-VHT40 MCS0	38	5190	16.30	18.00	11.50	11.50	18.00	18.00	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00	93.75				
	42	5210	17.58	19.00	11.50	11.50	19.00	19.00	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00					
	46	5230	17.58	19.00	11.50	11.50	19.00	19.00	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00					
802.11ac-VHT80 MCS0	42	5210	17.58	19.00	11.50	11.50	19.00	19.00	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00	88.19				
	46	5230	18.89	20.00	11.50	11.50	20.00	20.00	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00					
	50	5250	17.54	19.00	11.50	11.50	19.00	19.00	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	13.50	13.50	10.00	12.00	8.00	8.00	13.00	14.00					

Mode	Channel	Frequency (MHz)	Full Power				Hotspot	Extremely Standalone	Body worn Standalone		Body-worn DBS only		Head Standalone		Head Simultaneous		Head DBS		Extremely Simultaneous		Extremely DBS		Body-worn Simultaneous		Body-worn DBS		Head DBS only		Head Standalone		Duty Cycle %
			Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit			Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
5.3GHz WLAN	802.11a 1Mbps	36	5200	17.16	18.00	11.50	11.50	17.00	17.00	15.50	15.50	11.00	11.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	14.00	14.00	11.00	12.00	8.00	8.00	13.00	14.00	96.97	
		40	5220	17.54	18.50	11.50																									

Art 3		Full Power				Hotspot		Extremity Standalone		Body-worn Standalone		Head Standalone		Head/Extremity Standalone		Head/Extremity Standalone		Hotspot DBS		Body-worn DBS		Head/Extremity DBS Only		Duty Cycle %	
Mode	Channel	Freqency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b Mbps	1	2432	22.13	23.50	18.11	18.80	21.88	23.00	17.06	18.50	21.17	22.50	18.81	17.00	12.92	14.00	12.09	13.50	9.57	11.00	18.62	20.00	99.31	
		11	2462	21.60	23.00	18.11	18.80	21.60	23.00	17.07	18.50	21.27	22.50	15.55	17.00	12.41	13.50	12.19	13.50	9.46	11.00	18.56	20.00		
		13	2432	21.60	23.00	18.11	18.80	21.60	23.00	17.07	18.50	21.27	22.50	15.55	17.00	12.38	14.00	11.93	13.50	9.41	11.00	18.54	20.00		
	802.11g Mbps	1	2432	20.88	22.50	18.50	19.08	22.50	18.50	19.08	22.50	18.50	19.08	22.50	17.00	14.00	13.50	11.00	13.50	11.00	11.00	18.50	20.00	96.97	
		11	2462	17.98	19.50	18.50	19.08	19.50	19.50	16.92	18.50	20.88	19.50	17.00	14.00	14.00	13.50	11.00	13.50	11.00	11.00	18.50	20.00		
		13	2432	15.51	17.50	18.50	19.08	19.50	19.50	17.00	18.50	20.88	19.50	17.00	14.00	14.00	13.50	11.00	13.50	11.00	11.00	18.50	20.00		
	802.11n-HT20 MCS0	1	2432	18.24	20.00	18.50	19.08	20.00	18.50	19.08	20.00	18.50	19.08	20.00	17.00	14.00	13.50	11.00	13.50	11.00	11.00	18.50	20.00	96.76	
		6	2437	20.78	22.00	18.50	19.08	22.00	18.50	19.08	22.00	17.00	14.00	14.00	13.50	11.00	13.50	11.00	11.00	11.00	18.50	20.00			
		13	2467	18.25	20.00	18.50	19.08	20.00	18.50	19.08	20.00	17.00	14.00	14.00	13.50	11.00	13.50	11.00	11.00	11.00	18.50	20.00			
	802.11n-HT40 MCS0	1	2432	16.61	18.00	18.50	19.08	18.00	18.00	18.00	18.00	18.00	18.00	17.00	14.00	14.00	13.50	11.00	13.50	11.00	11.00	18.00	20.00	96.77	
		6	2437	16.61	18.00	18.50	19.08	18.00	18.00	18.00	18.00	18.00	18.00	17.00	14.00	14.00	13.50	11.00	13.50	11.00	11.00	18.00	20.00		
		13	2467	16.61	18.00	18.50	19.08	18.00	18.00	18.00	18.00	18.00	18.00	17.00	14.00	14.00	13.50	11.00	13.50	11.00	11.00	18.00	20.00		
802.11ax-HE20 MCS0	1	2437	20.91	22.50	18.50	19.08	22.50	18.50	19.08	22.50	17.00	14.00	14.00	13.50	11.00	13.50	11.00	13.50	11.00	11.00	18.50	20.00	95.89		
	6	2437	18.24	20.00	18.50	19.08	20.00	18.50	19.08	20.00	17.00	14.00	14.00	13.50	11.00	13.50	11.00	13.50	11.00	11.00	18.50	20.00			
	11	2462	17.95	19.50	18.50	19.08	19.50	19.50	16.92	18.50	20.88	19.50	17.00	14.00	14.00	13.50	11.00	13.50	11.00	11.00	18.50	20.00			
802.11ax-HE40 MCS0	1	2432	16.80	18.50	18.50	19.08	18.50	18.50	18.50	18.50	18.50	18.50	17.00	14.00	14.00	13.50	11.00	13.50	11.00	11.00	18.50	20.00	95.89		
	6	2437	16.80	18.50	18.50	19.08	18.50	18.50	18.50	18.50	18.50	18.50	17.00	14.00	14.00	13.50	11.00	13.50	11.00	11.00	18.50	20.00			
	9	2452	14.79	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	17.00	14.00	14.00	13.50	11.00	13.50	11.00	11.00	18.50	20.00			

Art 4		Full Power				Hotspot Standalone		Extremity Standalone		Body-worn Standalone		Body-worn DBS only		Head Standalone		Head Simultaneous		Head DBS		Hotspot DBS		Extremity Simultaneous		Extremity DBS		Body-worn Simultaneous		Body-worn DBS		Head DBS only		Head Standalone		Duty Cycle %	
Mode	Channel	Freqency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %		
2.4GHz WLAN	802.11a Mbps	36	5180	17.11	18.50	12.00	18.50	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	96.97		
		40	5200	16.86	18.00	12.00	18.50	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	96.76		
		44	5220	16.86	18.00	12.00	18.50	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	96.76	
	802.11n-HT20 MCS0	36	5180	17.99	19.00	12.00	19.00	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	93.67	
		40	5200	17.99	19.00	12.00	19.00	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	96.76	
		44	5220	17.99	19.00	12.00	19.00	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	96.76	
	802.11n-HT40 MCS0	36	5180	17.76	19.00	12.00	19.00	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	96.79
		40	5200	17.76	19.00	12.00	19.00	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	96.79
		44	5220	17.76	19.00	12.00	19.00	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	96.79
	802.11ac-VHT20 MCS0	36	5180	17.41	19.00	12.00	19.00	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	95.89
		40	5200	17.41	19.00	12.00	19.00	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	95.89
		44	5220	17.41	19.00	12.00	19.00	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	95.89
802.11ax-HE20 MCS0	36	5180	17.29	19.00	12.00	19.00	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	92.46	
	40	5200	17.29	19.00	12.00	19.00	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	92.46	
	44	5220	17.29	19.00	12.00	19.00	17.00	18.00	17.00	18.00	16.00	11.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	92.46	
802.11ax-HE40 MCS0	36	5180	13.63	13.00	12.00	13.00	13.00	13.00	13.00	13.00	13.00	11.40	8.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	92.46	
	40	5200	13.63	13.00	12.00	13.00	13.00	13.00	13.00	13.00	13.00	11.40	8.50	8.50	9.00	9.00	11.00	12.50	9.50	13.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	92.46	
	44	5220	13.63	13.00	12.00	13.00	13.00	13.00	13.00	13.00	13.00	11.40	8.50	8.50	9.00	9.00	11.00	12.50	9																



Ant 6-3		Full Power				Hotspot		Extremity Standalone		Body-worn Standalone		Head Standalone		Head/Extremity Simultaneous		Head/Extremity DBS		Hotspot DBS		Body-worn DBS		Head/Extremity DBS Only		Duty Cycle %		
Mode	Channel	Freq (MHz)	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b Mbps	1	2412	25.07	25.50	17.81	19.00	24.10	25.50	19.59	21.00	23.01	18.00	19.00	15.99	16.50	14.97	16.00	12.02	13.50	21.12	22.50	18.00	21.23	22.50	99.31
		6	2424	25.63	27.00	17.64	19.00	24.32	25.50	19.41	21.00	23.96	18.00	19.00	15.99	16.50	14.97	16.00	12.02	13.50	21.15	22.50	18.00	21.23	22.50	99.31
		11	2436	25.39	25.50	19.00	20.79	25.50	25.50	19.59	21.00	23.79	18.00	19.00	15.99	16.50	14.97	16.00	12.02	13.50	21.15	22.50	18.00	21.23	22.50	99.31
	802.11g Mbps	1	2412	25.11	25.50	19.00	20.79	25.50	25.50	19.59	21.00	23.79	18.00	19.00	15.99	16.50	14.97	16.00	12.02	13.50	21.15	22.50	18.00	21.23	22.50	97.47
		6	2424	25.11	25.50	19.00	20.79	25.50	25.50	19.59	21.00	23.79	18.00	19.00	15.99	16.50	14.97	16.00	12.02	13.50	21.15	22.50	18.00	21.23	22.50	97.47
		11	2436	25.11	25.50	19.00	20.79	25.50	25.50	19.59	21.00	23.79	18.00	19.00	15.99	16.50	14.97	16.00	12.02	13.50	21.15	22.50	18.00	21.23	22.50	97.47
	802.11n-HT20 MCS0	2	2417	22.41	24.00	19.00	20.00	24.00	24.00	19.00	20.00	24.00	19.00	20.00	19.00	19.00	16.50	16.00	13.50	13.50	22.50	22.50	19.00	21.00	22.50	96.76
		6	2427	23.73	25.00	19.00	20.00	24.00	24.00	19.00	20.00	24.00	19.00	20.00	19.00	19.00	16.50	16.00	13.50	13.50	22.50	22.50	19.00	21.00	22.50	96.76
		10	2437	21.32	23.00	19.00	20.00	24.00	24.00	19.00	20.00	24.00	19.00	20.00	19.00	19.00	16.50	16.00	13.50	13.50	22.50	22.50	19.00	21.00	22.50	96.76
	802.11n-HE40 MCS0	3	2422	19.51	21.00	19.00	21.00	21.00	21.00	19.00	21.00	21.00	19.00	21.00	19.00	19.00	16.50	16.00	13.50	13.50	21.00	21.00	19.00	21.00	21.00	96.77
		6	2427	19.51	21.00	19.00	21.00	21.00	21.00	19.00	21.00	21.00	19.00	21.00	19.00	19.00	16.50	16.00	13.50	13.50	21.00	21.00	19.00	21.00	21.00	96.77
		9	2432	17.62	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	16.50	16.00	13.50	13.50	19.00	19.00	19.00	19.00	19.00	96.77
802.11ac-HE20 MCS0	2	2417	22.50	24.00	19.00	20.00	24.00	24.00	19.00	20.00	24.00	19.00	20.00	19.00	19.00	16.50	16.00	13.50	13.50	22.50	22.50	19.00	21.00	22.50	95.89	
	6	2427	23.84	25.50	19.00	20.50	21.00	25.00	19.00	20.50	25.00	19.00	20.50	19.00	19.00	16.50	16.00	13.50	13.50	22.50	22.50	19.00	21.00	22.50	95.89	
	10	2437	20.20	22.00	19.00	20.00	22.00	22.00	19.00	20.00	22.00	19.00	20.00	19.00	19.00	16.50	16.00	13.50	13.50	22.00	22.00	19.00	21.00	22.00	95.89	

Ant 5-4		Full Power				Hotspot		Extremity Standalone		Body-worn Standalone/Extremity DBS only		Body-worn DBS only		Head Standalone		Head DBS		Extremity Simultaneous		Extremity DBS		Body-worn Simultaneous		Body-worn DBS		Body-worn DBS only		Head Standalone		Duty Cycle %			
Mode	Channel	Freq (MHz)	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Duty Cycle %		
5.0GHz WLAN	802.11a Mbps	36	5180	19.50	21.00	15.00	15.00	21.50	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	96.97	
		40	5200	19.30	21.00	15.00	15.00	21.50	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	96.97	
		48	5240	20.00	21.50	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	96.97	
	802.11n-HT20 MCS0	46	5200	20.33	22.00	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	96.76	
		50	5220	21.00	21.50	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	96.76	
		44	5220	20.09	22.00	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	96.76	
	802.11n-HT40 MCS0	48	5240	20.60	22.00	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	93.87	
		46	5230	22.13	23.50	15.00	15.00	21.00	22.50	18.68	20.00	17.65	19.00	14.50	11.50	12.00	16.68	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	93.87
		40	5180	20.37	21.50	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	96.79	
	802.11ac-VHT20 MCS0	44	5220	20.16	22.00	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	96.79	
		48	5240	20.73	22.50	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	96.79	
		38	5180	19.31	21.50	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	96.79	
802.11ac-VHT40 MCS0	48	5240	20.73	22.50	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	93.75		
	38	5180	19.31	21.50	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	93.75		
	58	5290	22.18	23.50	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	93.75		
802.11ac-VHT80 MCS0	46	5230	22.18	23.50	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	93.75		
	48	5240	20.73	22.50	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	93.75		
	58	5290	22.18	23.50	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	93.75		
802.11ac-HE20 MCS0	40	5200	19.57	21.00	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	12.50	14.00	15.50	95.89		
	48	5240	20.28	22.00	15.00	15.00	22.00	20.00	19.00	14.50	11.50	14.50	11.50	11.50	12.00	17.00	14.00	15.50	12.50	14.00	15.50												



**BT BREED**      **With Full-Low**

Block	Contract	Quantity (MT)	Contract Value (M USD)	Completion (%)
BT-1 (10)	BT-10-01	1000	10.00	100%
	BT-10-02	1000	10.00	100%
	BT-10-03	1000	10.00	100%
Contract Total		3000	30.00	100%

**BT BREED**      **With High/Low/Full-Low**

Block	Contract	Quantity (MT)	Contract Value (M USD)	Completion (%)
BT-1 (10)	BT-10-01	1000	10.00	100%
	BT-10-02	1000	10.00	100%
	BT-10-03	1000	10.00	100%
Contract Total		3000	30.00	100%

**BLE 1M**      **With Full-Low**

Block	Contract	Quantity (MT)	Contract Value (M USD)
1A	1A-01	1000	10.00
	1A-02	1000	10.00
	1A-03	1000	10.00
Contract Total		3000	30.00

**BLE 2M**      **With Full-Low**

Block	Contract	Quantity (MT)	Contract Value (M USD)
1A	1A-01	1000	10.00
	1A-02	1000	10.00
	1A-03	1000	10.00
Contract Total		3000	30.00