

Full Power Mode

GSM850 (Arb)	Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	31.84	31.92	31.81	33.00	22.84	22.92	22.81	24.00
GSM 1 Tx slot	31.78	31.89	31.75	33.00	22.75	22.89	22.75	24.00
GPRS 1 Tx slot	29.80	29.69	29.66	31.00	23.60	23.89	23.66	25.00
GPRS 2 Tx slots	28.14	28.26	28.18	29.50	23.88	24.00	23.92	25.24
GPRS 3 Tx slots	26.36	26.42	26.27	27.50	23.36	23.42	23.27	24.50
GPRS 4 Tx slots	25.67	25.83	25.72	27.00	18.67	18.83	18.72	19.00
EDGE 1 Tx slot	23.65	23.78	23.69	25.00	17.65	17.78	17.69	19.00
EDGE 2 Tx slots	22.12	22.35	22.29	23.50	17.86	18.09	18.03	19.24
EDGE 3 Tx slots	20.88	20.95	20.78	22.00	17.68	17.95	17.78	19.00
EDGE 4 Tx slots								

GSM1900 (Arb)	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	1860	1868.8		1850.2	1860	1868.8	
Frequency (MHz)	29.90	30.02	29.88	31.00	20.90	21.02	20.88	22.00
GSM 1 Tx slot	29.84	29.96	29.80	31.00	20.84	20.96	20.80	22.00
GPRS 1 Tx slot	27.80	27.89	27.77	29.00	21.80	21.89	21.77	23.00
GPRS 2 Tx slots	26.35	26.44	26.41	27.50	22.09	22.18	22.15	23.24
GPRS 3 Tx slots	24.74	24.90	24.78	26.00	21.74	21.90	21.78	23.00
GPRS 4 Tx slots	25.54	25.61	25.49	26.50	18.54	18.61	18.49	17.50
EDGE 1 Tx slot	23.58	23.66	23.54	24.50	17.58	17.66	17.54	18.50
EDGE 2 Tx slots	22.59	22.65	22.57	23.50	18.33	18.39	18.31	19.24
EDGE 3 Tx slots	21.02	21.13	21.07	22.00	18.02	18.13	18.07	19.00
EDGE 4 Tx slots								

Band	WCDMA I (Arb)				Tune up Limit (dBm)	WCDMA IV (Arb)			Tune up Limit (dBm)	WCDMA V (Arb)			Tune up Limit (dBm)
	TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel	9682	9800	9938			1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1860	1907.6			1712.4	1732.6	1752.6		826.4	836.4	846.6	
IGPP Rel 99	AMR 12.2kps	22.84	22.93	22.67	24.00	22.09	23.04	23.01	24.00	22.91	22.83	22.82	24.00
IGPP Rel 99	RMC 12.2kps	22.89	23.02	22.76	24.00	23.04	23.12	23.06	24.00	23.00	23.05	23.01	24.00
IGPP Rel 6	HSDPA Subtest-1	21.91	22.06	21.83	23.00	22.03	22.05	22.13	23.00	21.91	22.12	21.93	23.00
IGPP Rel 6	HSDPA Subtest-2	21.81	22.21	21.74	23.00	22.12	21.94	22.21	23.00	22.00	22.05	22.05	23.00
IGPP Rel 6	HSDPA Subtest-3	21.34	21.59	21.51	22.50	21.52	21.48	21.70	22.50	21.38	21.52	21.45	22.50
IGPP Rel 6	HSDPA Subtest-4	21.32	21.69	21.22	22.50	21.55	21.51	21.65	22.50	21.53	21.51	21.39	22.50
IGPP Rel 6	HSUPA Subtest-1	21.92	22.12	21.70	23.00	22.12	22.06	22.25	23.00	22.00	22.09	21.97	23.00
IGPP Rel 6	HSUPA Subtest-2	19.87	20.17	19.68	21.00	19.98	20.06	20.28	21.00	20.04	19.98	19.92	21.00
IGPP Rel 6	HSUPA Subtest-3	20.83	21.11	20.81	22.00	21.03	21.02	21.20	22.00	20.98	21.10	21.04	22.00
IGPP Rel 6	HSUPA Subtest-4	19.92	20.21	19.81	21.00	19.98	19.95	20.24	21.00	19.97	19.96	19.89	21.00
IGPP Rel 6	HSUPA Subtest-5	21.82	22.22	21.84	23.00	22.03	22.00	22.14	23.00	21.85	22.09	21.99	23.00

Band 2 Ant0															
BW (MHz)	Modulation	RB Size	RB Offset	Power Min Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Turn-up Time (s)	MPE (dB)						
Channel															
Frequency (MHz)															
20	QPSK	1	0	22.48	22.54	22.48		24	0						
20	QPSK	1	49	22.48	22.50	22.48									
20	QPSK	1	99	22.43	22.50	22.38									
20	QPSK	50	0	21.51	21.58	21.43									
20	QPSK	24	24	21.37	21.50	21.47									
20	QPSK	50	50	21.37	21.46	21.34		23	1						
20	QPSK	100	0	21.26	21.43	21.36									
20	16QAM	50	0	21.68	21.78	21.70									
20	16QAM	1	49	21.73	21.68	21.67		23	1						
20	16QAM	1	99	21.70	21.69	21.69									
20	16QAM	50	0	20.54	20.63	20.57									
20	16QAM	50	24	20.54	20.51	20.59		22	2						
20	16QAM	50	50	20.52	20.58	20.55									
20	16QAM	100	0	20.39	20.51	20.41									
20	64QAM	1	0	20.57	20.76	20.74									
20	64QAM	1	49	20.69	20.63	20.66		22	2						
20	64QAM	50	0	20.65	20.61	20.68									
20	64QAM	50	0	19.49	19.58	19.46									
20	64QAM	50	24	19.49	19.51	19.52		21	3						
20	64QAM	50	25	19.54	19.48	19.55									
20	64QAM	100	0	19.46	19.50	19.40									
20	64QAM	1	49	17.59	17.66	17.58									
20	256QAM	1	49	17.58	17.54	17.60		19	5						
20	256QAM	1	99	17.58	17.55	17.53									
20	256QAM	50	0	17.52	17.56	17.48									
20	256QAM	50	24	17.55	17.48	17.58		19	5						
20	256QAM	50	50	17.52	17.55	17.48									
20	256QAM	100	0	17.23	17.40	17.36									
Channel															
Frequency (MHz)															
15	QPSK	1	0	18.07	18.00	18.05		24	0						
15	QPSK	1	49	22.48	22.50	22.38									
15	QPSK	1	99	22.49	22.38	22.22									
15	QPSK	1	74	22.29	22.38	22.22									
15	QPSK	50	0	21.41	21.47	21.38									
15	QPSK	24	24	21.31	21.43	21.32		23	1						
15	QPSK	36	36	21.23	21.36	21.31									
15	QPSK	75	0	21.08	21.31	21.21									
15	16QAM	1	0	21.08	21.73	21.73		23	1						
15	16QAM	1	37	21.63	21.63	21.54									
15	16QAM	1	74	21.69	21.68	21.68									
15	16QAM	36	0	20.46	20.58	20.52									
15	16QAM	36	20	20.47	20.38	20.42		22	2						
15	16QAM	36	39	20.39	20.46	20.42									
15	16QAM	75	0	20.29	20.37	20.29									
15	64QAM	1	0	20.48	20.63	20.58		22	2						
15	64QAM	1	37	20.50	20.57	20.57									
15	64QAM	1	74	20.52	20.50	20.52									
15	64QAM	36	0	19.39	19.48	19.39									
15	64QAM	36	20	19.46	19.40	19.42		21	3						
15	64QAM	36	39	19.43	19.45	19.45									
15	64QAM	75	0	19.38	19.38	19.34									
15	256QAM	1	0	17.55	17.60	17.56									
15	256QAM	1	37	17.50	17.44	17.49		19	5						
15	256QAM	1	74	17.44	17.51	17.48									
15	256QAM	36	0	17.42	17.46	17.43									
15	256QAM	36	20	17.47	17.44	17.46		19	5						
15	256QAM	36	39	17.37	17.49	17.40									
15	256QAM	75	0	17.21	17.40	17.36									
Channel															
Frequency (MHz)															
10	QPSK	1	0	22.48	22.50	22.48		24	0						
10	QPSK	1	25	22.50	22.51	22.34									
10	QPSK	1	49	22.31	22.42	22.22									
10	QPSK	25	0	21.47	21.51	21.46									
10	QPSK	25	12	21.29	21.44	21.38		23	1						
10	QPSK	25	25	21.33	21.32	21.21									
10	QPSK	100	0	21.38	21.38	21.38									
10	16QAM	1	0	21.54	21.74	21.68		23	1						
10	16QAM	1	25	21.62	21.58	21.59									
10	16QAM	1	49	21.68	21.67	21.67									
10	16QAM	25	0	20.47	20.54	20.51									
10	16QAM	25	12	20.49	20.39	20.43		22	2						
10	16QAM	25	25	20.18	20.33	20.45									
10	16QAM	50	0	20.35	20.40	20.28									
10	64QAM	1	0	20.53	20.70	20.64		22	2						
10	64QAM	1	25	20.50	20.52	20.52									
10	64QAM	1	49	20.53	20.47	20.65									
10	64QAM	25	0	19.41	19.46	19.40									
10	64QAM	25	12	19.40	19.43	19.42		21	3						
10	64QAM	25	25	19.44	19.38	19.40									
10	64QAM	50	0	19.40	19.38	19.30									
10	256QAM	1	0	17.55	17.61	17.51									
10	256QAM	1	25	17.46	17.49	17.48		19	5						
10	256QAM	1	49	17.47	17.48	17.39									
10	256QAM	25	0	17.40	17.48	17.43									
10	256QAM	25	12	17.51	17.36	17.48		19	5						
10	256QAM	25	25	17.42	17.42	17.36									
10	256QAM	50	0	17.28	17.35	17.44									
Channel															
Frequency (MHz)															
18	QPSK	1	0	22.45	22.51	22.43		24	0						
18	QPSK	1	12	22.42	22.50	22.37									
18	QPSK	1	24	22.29	22.44	22.29									
18	QPSK	12	0	21.41	21.47	21.34									
18	QPSK	12	7	21.26	21.47	21.42		23	1						
18	QPSK	12	13	21.23	21.32	21.22									
18	QPSK	25	0	21.02	21.32	21.25									
18	16QAM	1	0	21.02	21.75	21.58		23	1						
18	16QAM	1	12	21.66	21.64	21.57									
18	16QAM	1	24	21.67	21.55	21.50									
18	16QAM	12	0	20.41	20.55	20.56									
18	16QAM	12	7	20.50	20.42	20.38		22	2						
18	16QAM	12	13	20.41	20.46	20.42									
18	16QAM	25	0	20.33	20.43	20.30									
18	64QAM	1	0	20.44	20.62	20.58		22	2						
18	64QAM	1	12	20.60	20.58	20.54									
18	64QAM	1	24	20.55	20.51	20.63									
18	64QAM	12	0	19.44	19.54	19.36									



Band 7 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int. (dB)	MPR (dB)	
Channel									
Frequency (MHz)				2050	2050	2050			
20	QPSK	1	0	22.62	22.74	22.85			
20	QPSK	1	48	22.68	22.71	22.76			
20	QPSK	1	96	22.54	22.68	22.80			24
20	QPSK	50	0	21.78	21.87	21.89			
20	QPSK	50	24	21.76	21.82	21.73			
20	QPSK	50	50	21.68	21.79	21.73			23
20	QPSK	100	0	21.69	21.83	21.77			
20	16QAM	1	0	21.81	21.85	21.77			
20	16QAM	1	48	21.84	21.70	21.85			23
20	16QAM	50	96	21.68	21.73	21.84			
20	16QAM	50	0	20.69	20.77	20.71			
20	16QAM	50	24	20.59	20.67	20.60			22
20	16QAM	50	50	20.53	20.64	20.51			
20	16QAM	100	0	20.74	20.84	20.78			
20	64QAM	1	0	20.42	20.56	20.48			
20	64QAM	1	48	20.40	20.51	20.45			22
20	64QAM	1	96	20.33	20.46	20.34			
20	64QAM	50	0	19.92	19.98	19.90			
20	64QAM	50	24	19.57	19.64	19.50			21
20	64QAM	50	50	19.48	19.61	19.53			
20	64QAM	100	0	19.72	19.88	19.76			
20	256QAM	1	48	17.65	17.75	17.67			19
20	256QAM	1	96	17.61	17.72	17.60			
20	256QAM	50	96	17.68	17.82	17.66			
20	256QAM	50	24	17.78	17.83	17.79			19
20	256QAM	50	50	17.60	17.75	17.60			
20	256QAM	100	0	17.62	17.77	17.63			
Channel									
Frequency (MHz)				2050.5	2100.5	2150.5	Tune-up Int. (dB)	MPR (dB)	
18	QPSK	1	0	22.52	22.69	22.83			
18	QPSK	1	37	22.45	22.60	22.82			24
18	QPSK	1	74	22.50	22.58	22.81			
18	QPSK	36	0	21.83	21.83	21.76			
18	QPSK	36	18	21.70	21.87	21.80			23
18	QPSK	36	36	21.58	21.74	21.64			
18	QPSK	72	0	21.87	21.77	21.81			
18	16QAM	1	0	21.74	21.82	21.84			23
18	16QAM	1	37	21.59	21.57	21.61			
18	16QAM	1	74	21.59	21.62	21.56			
18	16QAM	36	0	20.67	20.73	20.66			
18	16QAM	36	20	20.54	20.57	20.50			22
18	16QAM	36	36	20.45	20.51	20.46			
18	16QAM	72	0	20.66	20.73	20.70			
18	64QAM	1	0	20.34	20.50	20.38			
18	64QAM	1	37	20.30	20.41	20.34			22
18	64QAM	1	74	20.21	20.41	20.31			
18	64QAM	36	0	19.50	19.63	19.57			
18	64QAM	36	18	19.45	19.56	19.46			21
18	64QAM	36	36	19.37	19.52	19.41			
18	64QAM	72	0	19.69	19.80	19.63			
18	256QAM	1	0	17.52	17.68	17.58			19
18	256QAM	1	37	17.52	17.60	17.51			
18	256QAM	1	74	17.64	17.61	17.60			
18	256QAM	36	0	17.68	17.78	17.66			19
18	256QAM	36	20	17.68	17.74	17.74			
18	256QAM	36	36	17.50	17.70	17.51			19
18	256QAM	72	0	17.60	17.75	17.54			
Channel									
Frequency (MHz)				2050.5	2100.5	2150.5	Tune-up Int. (dB)	MPR (dB)	
18	QPSK	1	0	22.54	22.68	22.84			
18	QPSK	1	25	22.54	22.59	22.51			24
18	QPSK	1	49	22.43	22.48	22.50			
18	QPSK	25	0	21.63	21.69	21.67			
18	QPSK	25	13	21.64	21.69	21.67			23
18	QPSK	25	25	21.61	21.71	21.64			
18	QPSK	50	0	21.66	21.82	21.73			
18	16QAM	1	0	21.72	21.79	21.72			
18	16QAM	1	25	21.52	21.62	21.57			23
18	16QAM	1	49	21.68	21.68	21.68			
18	16QAM	25	0	20.39	20.63	20.59			
18	16QAM	25	12	20.48	20.60	20.48			22
18	16QAM	25	25	20.44	20.61	20.46			
18	16QAM	50	0	20.61	20.80	20.73			
18	64QAM	1	0	20.37	20.52	20.34			
18	64QAM	1	25	20.32	20.41	20.35			22
18	64QAM	1	49	20.25	20.38	20.29			
18	64QAM	25	0	19.48	19.61	19.45			
18	64QAM	25	12	19.45	19.54	19.35			21
18	64QAM	25	25	19.43	19.58	19.43			
18	64QAM	50	0	19.64	19.77	19.67			
18	256QAM	1	0	17.68	17.77	17.66			
18	256QAM	1	25	17.63	17.69	17.61			19
18	256QAM	1	49	17.57	17.62	17.45			
18	256QAM	25	0	17.64	17.74	17.72			
18	256QAM	25	12	17.70	17.78	17.67			19
18	256QAM	25	25	17.47	17.71	17.51			
18	256QAM	50	0	17.72	17.77	17.63			
Channel									
Frequency (MHz)				2077.5	2100.5	2142.5	Tune-up Int. (dB)	MPR (dB)	
5	QPSK	1	0	22.53	22.63	22.65			
5	QPSK	1	12	22.55	22.57	22.52			24
5	QPSK	1	24	22.50	22.51	22.46			
5	QPSK	12	0	21.73	21.80	21.71			
5	QPSK	12	7	21.65	21.74	21.63			23
5	QPSK	12	13	21.63	21.71	21.64			
5	QPSK	25	0	21.61	21.70	21.66			
5	16QAM	1	0	21.76	21.71	21.66			23
5	16QAM	1	12	21.50	21.61	21.57			
5	16QAM	1	24	21.60	21.59	21.60			
5	16QAM	12	0	20.56	20.68	20.56			
5	16QAM	12	7	20.49	20.63	20.56			22
5	16QAM	12	13	20.44	20.57	20.42			
5	16QAM	25	0	20.70	20.74	20.66			
5	64QAM	1	0	20.38	20.53	20.39			22
5	64QAM	1	12	20.33	20.43	20.33			
5	64QAM	1	24	20.26	20.38	20.27			
5	64QAM	12	0	19.51	19.62	19.52			
5	64QAM	12	7	19.52	19.58	19.35			21
5	64QAM	12	13	19.34	19.54	19.38			
5	64QAM	25	0	19.61	19.75	19.63			
5	256QAM	1	0	17.77	17.75	17.64			
5	256QAM	1	12	17.52	17.62	17.54			19
5	256QAM	1	24	17.59	17.68	17.50			
5	256QAM	12	0	17.61	17.63	17.72			
5	256QAM	12	7	17.74	17.70	17.70			19
5	256QAM	12	13	17.51	17.66	17.50			
5	256QAM	25	0	17.67	17.75	17.59			

Band 12 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int. (dB)	MPR (dB)	
Channel									
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.65	22.77	22.75			
10	QPSK	1	25	22.55	22.64	22.52			24
10	QPSK	1	49	22.87	22.71	22.64			
10	QPSK	25	0	21.75	21.80	21.69			
10	QPSK	25	12	21.74	21.72	21.72			23
10	QPSK	25	25	21.66	21.71	21.64			
10	QPSK	50	0	21.57	21.71	21.66			
10	16QAM	1	0	21.78	21.84	21.69			
10	16QAM	1	25	21.78	21.83	21.69			23
10	16QAM	1	49	21.94	21.90	21.83			
10	16QAM	25	0	20.75	20.78	20.71			
10	16QAM	25	12	20.85	20.87	20.82			22
10	16QAM	25	25	20.86	20.71	20.86			
10	16QAM	50	0	20.83	20.88	20.85			
10	64QAM	1	0	20.71	20.84	20.76			
10	64QAM	1	25	20.69	20.80	20.63			22
10	64QAM	1	49	20.76	20.77	20.64			
10	64QAM	25	0	19.70	19.81	19.64			
10	64QAM	25	12	19.64	19.71	19.51			21
10	64QAM	25	25	19.57	19.64	19.61			
10	64QAM	50	0	19.68	19.78	19.72			
10	256QAM	1	0	17.67	17.67	17.77			
10	256QAM	1	25	17.56	17.69	17.58			19
10	256QAM	1	49	17.58	17.70	17.64			
10	256QAM	25	0	17.51	17.59	17.48			
10	256QAM	25	12	17.52	17.67	17.56			19
10	256QAM	25	25	17.57	17.62	17.51			
10	256QAM	50	0	17.62	17.63	17.62			
Channel									
Frequency (MHz)				704.5	707.5	711.5	Tune-up Int. (dB)	MPR (dB)	
5	QPSK	1	0	22.57	22.69	22.61			
5	QPSK	1	12	22.43	22.46	22.41			24
5	QPSK	1	24	22.53	22.62	22.49			
5	QPSK	12</							

Band 17 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.42	23.57	23.54	24	0				
15	QPSK	1	24	23.41	23.53	23.48						
15	QPSK	1	48	23.22	23.35	23.36						
15	QPSK	25	0	22.43	22.46	22.37						
15	QPSK	25	12	22.35	22.45	22.32	23	1				
15	QPSK	25	25	22.26	22.37	22.23						
15	QPSK	50	0	22.52	22.43	22.38						
15	16QAM	1	0	22.34	22.39	22.34						
15	16QAM	1	24	22.24	22.37	22.37	23	1				
15	16QAM	1	48	22.17	22.31	22.16						
15	16QAM	25	0	21.40	21.48	21.37						
15	16QAM	25	12	21.41	21.42	21.36						
15	16QAM	25	25	21.31	21.38	21.34	22	2				
15	16QAM	50	0	21.25	21.34	21.33						
15	64QAM	1	0	21.53	21.53	21.50						
15	64QAM	1	24	21.38	21.51	21.50						
15	64QAM	1	48	21.36	21.46	21.36	21	3				
15	64QAM	25	0	20.40	20.41	20.30						
15	64QAM	25	12	20.40	20.42	20.35						
15	64QAM	25	25	20.35	20.46	20.43						
15	64QAM	50	0	20.38	20.47	20.36	19	5				
15	256QAM	1	0	18.36	18.44	18.37						
15	256QAM	1	24	18.43	18.56	18.42						
15	256QAM	1	48	18.34	18.39	18.32						
15	256QAM	25	0	18.32	18.47	18.36	19	5				
15	256QAM	25	12	18.41	18.43	18.33						
15	256QAM	25	25	18.40	18.42	18.41						
15	256QAM	50	0	18.40	18.41	18.38						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.33	23.43	23.42	24	0				
5	QPSK	1	12	23.30	23.47	23.36						
5	QPSK	1	24	23.17	23.28	23.15						
5	QPSK	12	0	22.34	22.43	22.32						
5	QPSK	12	7	22.13	22.26	22.21	23	1				
5	QPSK	12	13	22.23	22.31	22.14						
5	QPSK	25	0	22.17	22.29	22.21						
5	16QAM	1	0	22.32	22.35	22.18						
5	16QAM	1	12	22.20	22.32	22.22	23	1				
5	16QAM	1	24	22.08	22.18	22.07						
5	16QAM	12	0	21.27	21.40	21.23						
5	16QAM	12	7	21.19	21.38	21.21						
5	16QAM	12	13	21.22	21.31	21.20	22	2				
5	16QAM	25	0	21.12	21.31	21.30						
5	64QAM	1	0	21.51	21.59	21.43						
5	64QAM	1	12	21.37	21.59	21.48						
5	64QAM	1	24	21.29	21.42	21.37	21	3				
5	64QAM	12	0	20.32	20.33	20.37						
5	64QAM	12	7	20.35	20.36	20.34						
5	64QAM	12	13	20.34	20.35	20.30						
5	64QAM	25	0	20.34	20.37	20.32	19	5				
5	256QAM	1	0	18.36	18.39	18.35						
5	256QAM	1	12	18.30	18.43	18.36						
5	256QAM	1	24	18.32	18.34	18.30						
5	256QAM	12	0	18.36	18.39	18.36	19	5				
5	256QAM	12	7	18.26	18.30	18.32						
5	256QAM	12	13	18.27	18.29	18.36						
5	256QAM	25	0	18.38	18.38	18.32						

Band 25 Ant0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.60	22.66	22.48	24	0						
20	QPSK	1	48	22.42	22.51	22.48								
20	QPSK	1	96	22.45	22.47	22.38								
20	QPSK	50	0	21.57	21.65	21.57								
20	QPSK	24	0	21.47	21.53	21.44	23	1						
20	QPSK	50	50	21.46	21.59	21.49								
20	QPSK	100	0	21.46	21.50	21.43								
20	16QAM	1	0	21.65	21.60	21.58								
20	16QAM	1	48	21.66	21.71	21.59	23	1						
20	16QAM	1	96	21.63	21.74	21.64								
20	16QAM	50	0	20.52	20.54	20.48								
20	16QAM	50	24	20.45	20.50	20.51	22	2						
20	16QAM	100	0	20.42	20.48	20.45								
20	16QAM	100	0	20.42	20.46	20.39								
20	64QAM	1	0	20.64	20.66	20.56	22	2						
20	64QAM	1	48	20.50	20.61	20.60								
20	64QAM	1	96	20.50	20.54	20.47								
20	64QAM	50	0	19.50	19.59	19.52								
20	64QAM	50	24	19.51	19.58	19.41	21	3						
20	64QAM	100	0	19.44	19.53	19.55								
20	64QAM	100	0	19.46	19.59	19.40								
20	256QAM	1	0	17.55	17.57	17.52	19	5						
20	256QAM	1	48	17.55	17.57	17.52								
20	256QAM	1	96	17.48	17.62	17.57								
20	256QAM	50	0	17.49	17.54	17.54								
20	256QAM	50	24	17.56	17.52	17.42	19	5						
20	256QAM	100	0	17.40	17.49	17.48								
20	256QAM	100	0	17.41	17.50	17.47								
20	256QAM	100	0	17.43	17.53	17.57								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.55	22.50	22.42	24	0						
15	QPSK	1	12	22.54	22.59	22.48								
15	QPSK	1	24	22.32	22.33	22.34								
15	QPSK	1	74	22.32	22.33	22.34								
15	QPSK	25	0	21.43	21.60	21.44	23	1						
15	QPSK	25	12	21.34	21.43	21.33								
15	QPSK	36	36	21.32	21.46	21.40								
15	QPSK	75	0	21.50	21.72	21.62								
15	16QAM	1	0	21.69	21.72	21.62	23	1						
15	16QAM	1	37	21.62	21.62	21.42								
15	16QAM	1	74	21.62	21.69	21.59								
15	16QAM	36	0	20.40	20.50	20.41								
15	16QAM	36	20	20.34	20.53	20.38	22	2						
15	16QAM	36	37	20.36	20.57	20.35								
15	16QAM	75	0	20.37	20.31	20.47								
15	64QAM	1	0	20.57	20.52	20.51	22	2						
15	64QAM	1	37	20.47	20.47	20.47								
15	64QAM	1	74	20.52	20.50	20.37								
15	64QAM	36	0	19.44	19.61	19.53								
15	64QAM	36	20	19.36	19.44	19.38	21	3						

Band 30 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
2310									
10	QPSK	1	0	22.46					
10	QPSK	1	25	22.39	22.46				
10	QPSK	1	40	22.20					
10	QPSK	25	0	21.52					
10	QPSK	25	12	21.41					
10	QPSK	25	25	21.34					
10	QPSK	50	0	21.31					
10	HQAM	1	0	21.45					
10	HQAM	1	25	21.35					
10	HQAM	1	40	21.32					
10	HQAM	1	50	20.26					
10	HQAM	25	12	20.21					
10	HQAM	25	25	20.15					
10	HQAM	50	0	20.29					
10	HQAM	1	0	20.47					
10	HQAM	1	25	20.45					
10	HQAM	1	40	20.45					
10	HQAM	25	0	19.32					
10	HQAM	25	12	18.29					
10	HQAM	25	25	19.27					
10	HQAM	50	0	19.38					
10	25QAM	1	0	17.41					
10	25QAM	1	25	17.26					
10	25QAM	1	40	17.27					
10	25QAM	25	0	17.20					
10	25QAM	25	12	17.18					
10	25QAM	25	25	17.18					
10	25QAM	50	0	17.23					
Channel									
2768.5, 2771.0, 2773.5									
Frequency (MHz)									
5	QPSK	1	0	23.07	22.41	22.45			
5	QPSK	1	24	22.92	22.26	22.30			
5	QPSK	1	24	22.11	22.08	22.13			
5	QPSK	12	0	21.45	21.40	21.43			
5	QPSK	12	7	21.31	21.35	21.37			
5	QPSK	12	13	21.21	21.38	21.31			
5	QPSK	25	0	21.28	21.28	21.17			
5	HQAM	1	0	21.37	21.38	21.46			
5	HQAM	1	12	21.24	21.32	21.30			
5	HQAM	1	24	21.28	21.19	21.29			
5	HQAM	12	0	20.18	20.13	20.14			
5	HQAM	12	7	20.17	20.10	20.17			
5	HQAM	12	13	19.13	19.10	19.21			
5	HQAM	25	0	20.22	20.15	20.18			
5	HQAM	1	0	20.25	20.33	20.39			
5	HQAM	1	12	20.41	20.34	20.40			
5	HQAM	1	24	20.38	20.43	20.35			
5	HQAM	12	0	19.20	19.18	19.28			
5	HQAM	12	7	19.13	19.10	19.21			
5	HQAM	12	13	19.15	19.13	19.14			
5	HQAM	25	0	19.51	19.48	19.25			
5	25QAM	1	0	17.27	17.26	17.28			
5	25QAM	1	12	17.20	17.20	17.10			
5	25QAM	1	24	17.22	17.15	17.21			
5	25QAM	12	0	17.19	17.18	17.25			
5	25QAM	12	7	17.06	17.04	17.10			
5	25QAM	12	13	17.11	17.19	17.02			
5	25QAM	25	0	17.23	17.27	17.24			

Band 66 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
1720, 1745, 1770									
20	QPSK	1	0	22.44	22.57	22.49			
20	QPSK	1	40	22.45	22.43	22.38			
20	QPSK	1	80	22.37	22.45	22.35			
20	QPSK	50	0	21.51	21.59	21.57			
20	QPSK	50	24	21.44	21.54	21.53			
20	QPSK	50	50	21.36	21.42	21.37			
20	QPSK	100	0	21.35	21.56	21.46			
20	HQAM	1	0	21.63	21.70	21.68			
20	HQAM	1	40	21.48	21.56	21.45			
20	HQAM	1	80	21.45	21.51	21.46			
20	HQAM	50	0	20.33	20.40	20.44			
20	HQAM	50	24	20.30	20.42	20.26			
20	HQAM	50	50	20.19	20.30	20.26			
20	HQAM	100	0	20.47	20.52	20.43			
20	HQAM	1	0	20.51	20.57	20.53			
20	HQAM	1	40	20.40	20.42	20.41			
20	HQAM	1	80	20.25	20.20	20.41			
20	HQAM	50	0	19.37	19.50	19.52			
20	HQAM	50	24	19.40	19.52	19.40			
20	HQAM	50	50	19.32	19.40	19.42			
20	HQAM	100	0	19.47	19.57	19.63			
20	25QAM	1	0	17.44	17.50	17.38			
20	25QAM	1	40	17.33	17.44	17.38			
20	25QAM	1	80	17.41	17.49	17.39			
20	25QAM	50	0	17.44	17.45	17.32			
20	25QAM	50	24	17.28	17.37	17.22			
20	25QAM	50	50	17.30	17.44	17.28			
20	25QAM	100	0	17.47	17.50	17.47			
Channel									
13021, 13022, 13023									
Frequency (MHz)									
15	QPSK	1	0	22.41	22.54	22.43			
15	QPSK	1	87	22.31	22.29	22.36			
15	QPSK	1	74	22.24	22.32	22.28			
15	QPSK	36	0	21.46	21.52	21.47			
15	QPSK	36	24	21.38	21.47	21.44			
15	QPSK	36	36	21.28	21.30	21.30			
15	HQAM	75	0	21.46	21.45	21.34			
15	HQAM	75	0	21.46	21.46	21.55			
15	HQAM	1	37	21.43	21.48	21.37			
15	HQAM	36	0	20.25	20.27	20.37			
15	HQAM	36	20	20.24	20.37	20.16			
15	HQAM	36	20	20.25	20.38	20.16			
15	HQAM	75	0	20.40	20.48	20.33			
15	HQAM	1	0	20.45	20.43	20.48			
15	HQAM	36	0	20.26	20.38	20.33			
15	HQAM	1	74	20.25	20.37	20.31			
15	HQAM	36	0	19.20	19.43	19.42			
15	HQAM	36	20	19.24	19.45	19.38			
15	HQAM	36	50	19.27	19.35	19.32			
15	HQAM	75	0	19.35	19.49	19.49			
15	25QAM	1	0	17.23	17.40	17.30			
15	25QAM	1	37	17.25	17.41	17.30			
15	25QAM	1	74	17.30	17.40	17.28			
15	25QAM	36	0	17.32	17.42	17.28			
15	25QAM	36	20	17.15	17.24	17.14			
15	25QAM	36	36	17.16	17.40	17.22			
15	25QAM	75	0	17.31	17.46	17.40			
Channel									
13022, 13022, 13022									
Frequency (MHz)									
10	QPSK	1	0	22.32	22.39	22.34			
10	QPSK	1	25	22.38	22.30	22.40			
10	QPSK	1	40	22.31	22.34	22.25			
10	QPSK	1	0	21.47	21.48	21.44			
10	QPSK	25	12	21.32	21.46	21.46			
10	QPSK	25	25	21.22	21.31	21.28			
10	HQAM	1	0	21.50	21.64	21.54			
10	HQAM	1	25	21.34	21.44	21.39			
10	HQAM	1	40	21.31	21.46	21.38			
10	HQAM	25	0	20.30	20.34	20.20			
10	HQAM	25	12	20.26	20.36	20.18			
10	HQAM	25	25	20.26	20.22	20.13			
10	HQAM	50	0	20.36	20.41	20.37			
10	HQAM	1	0	20.39	20.48	20.43			
10	HQAM	1	12	20.27	20.38	20.38			
10	HQAM	1	40	20.13	20.44	20.32			
10	HQAM	25	0	19.32	19.40	19.47			
10	HQAM	12	0	19.30	19.38	19.34			
10	HQAM	25	25	19.24	19.29	19.34			
10	HQAM	50	0	19.43	19.46	19.59			
10	25QAM	1	0	17.23	17.40	17.30			
10	25QAM	1	25	17.20	17.33	17.31			
10	25QAM	1	40	17.33	17.44	17.32			
10	25QAM	25	0	17.30	17.32	17.23			
10	25QAM	25	12	17.16	17.28	17.10			
10	25QAM	25	25	17.25	17.36	17.13			
10	25QAM	50	0	17.37	17.49	17.40			
Channel									
13097, 13022, 13047									
Frequency (MHz)									
5	QPSK	1	0	22.30	22.41	22.34			
5	QPSK	1	12	22.35	22.34	22.42			
5	QPSK	1	24	22.31	22.35	22.23			
5	QPSK	12	0	21.45	21.45	21.44			

Band 38 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				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.80	22.82	22.72	24	0	
20	QPSK	1	49	22.69	22.70	22.64			
20	QPSK	1	99	22.55	22.62	22.55	23	1	
20	QPSK	50	0	21.68	21.77	21.70			
20	QPSK	50	24	21.70	21.67	21.73	23	1	
20	QPSK	50	50	21.64	21.62	21.54			
20	QPSK	100	0	21.62	21.66	21.54	23	1	
20	16QAM	1	0	21.72	21.65	21.62			
20	16QAM	1	49	21.62	21.73	21.77	22	2	
20	16QAM	1	99	21.71	21.80	21.69			
20	16QAM	50	0	20.63	20.74	20.72	22	2	
20	16QAM	50	24	20.54	20.68	20.55			
20	16QAM	50	50	20.61	20.70	20.54	22	2	
20	16QAM	100	0	20.60	20.70	20.62			
20	64QAM	1	0	20.44	20.54	20.56	22	2	
20	64QAM	1	49	20.52	20.51	20.48			
20	64QAM	1	99	20.53	20.57	20.50	21	3	
20	64QAM	50	0	19.69	19.81	19.62			
20	64QAM	50	24	19.60	19.67	19.54	19	5	
20	64QAM	50	50	19.60	19.65	19.72			
20	64QAM	100	0	19.67	19.75	19.68	19	5	
20	256QAM	1	0	17.55	17.77	17.58			
20	256QAM	1	49	17.56	17.68	17.57	22	5	
20	256QAM	1	99	17.64	17.69	17.54			
20	256QAM	50	0	17.76	17.85	17.74	22	5	
20	256QAM	50	24	17.62	17.66	17.57			
20	256QAM	50	50	17.65	17.76	17.62	22	5	
20	256QAM	100	0	17.65	17.79	17.70			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.76	22.73	22.62	24	0	
15	QPSK	1	37	22.63	22.60	22.49			
15	QPSK	1	74	22.45	22.57	22.42	23	1	
15	QPSK	36	0	21.65	21.63	21.60			
15	QPSK	36	20	21.62	21.63	21.67	23	1	
15	QPSK	36	39	21.50	21.54	21.43			
15	QPSK	75	0	21.55	21.62	21.44	23	1	
15	16QAM	1	0	21.68	21.78	21.72			
15	16QAM	1	37	21.51	21.65	21.74	22	2	
15	16QAM	1	74	21.60	21.76	21.66			
15	16QAM	36	0	20.57	20.61	20.65	22	2	
15	16QAM	36	20	20.40	20.59	20.51			
15	16QAM	36	39	20.58	20.65	20.40	22	2	
15	16QAM	75	0	20.50	20.58	20.56			
15	64QAM	1	0	20.37	20.49	20.47	22	2	
15	64QAM	1	37	20.47	20.38	20.35			
15	64QAM	1	74	20.41	20.53	20.41	21	3	
15	64QAM	36	0	19.60	19.72	19.58			
15	64QAM	36	20	19.47	19.54	19.50	19	5	
15	64QAM	36	39	19.54	19.52	19.61			
15	64QAM	75	0	19.60	19.70	19.54	19	5	
15	256QAM	1	0	17.42	17.73	17.47			
15	256QAM	1	37	17.45	17.54	17.44	19	5	
15	256QAM	1	74	17.57	17.54	17.45			
15	256QAM	36	0	17.62	17.73	17.63	19	5	
15	256QAM	36	20	17.56	17.60	17.54			
15	256QAM	36	39	17.56	17.67	17.58	15	75	
15	256QAM	75	0	17.63	17.67	17.65			
Channel				37900	38000	38000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.69	22.67	22.60	24	0	
10	QPSK	1	25	22.59	22.62	22.58			
10	QPSK	1	49	22.51	22.59	22.40	23	1	
10	QPSK	25	0	21.58	21.68	21.57			
10	QPSK	25	12	21.66	21.60	21.66	23	1	
10	QPSK	25	25	21.61	21.58	21.42			
10	QPSK	50	0	21.56	21.62	21.41	23	1	
10	16QAM	1	0	21.58	21.78	21.78			
10	16QAM	1	25	21.46	21.63	21.63	22	2	
10	16QAM	1	49	21.59	21.76	21.63			
10	16QAM	25	0	20.50	20.69	20.59	22	2	
10	16QAM	25	12	20.49	20.59	20.44			
10	16QAM	25	25	20.53	20.60	20.50	22	2	
10	16QAM	50	0	20.52	20.61	20.52			
10	64QAM	1	0	20.40	20.47	20.51	22	2	
10	64QAM	1	25	20.41	20.39	20.40			
10	64QAM	1	49	20.47	20.50	20.47	21	3	
10	64QAM	25	0	19.59	19.72	19.51			
10	64QAM	25	12	19.46	19.58	19.51	19	5	
10	64QAM	25	25	19.56	19.51	19.65			
10	64QAM	50	0	19.57	19.67	19.57	19	5	
10	256QAM	1	0	17.45	17.65	17.50			
10	256QAM	1	25	17.48	17.53	17.50	19	5	
10	256QAM	1	49	17.61	17.55	17.45			
10	256QAM	25	0	17.66	17.72	17.71	19	5	
10	256QAM	25	12	17.57	17.60	17.44			
10	256QAM	25	25	17.53	17.70	17.52	19	5	
10	256QAM	50	0	17.54	17.64	17.66			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.78	22.73	22.63	24	0	
5	QPSK	1	12	22.66	22.57	22.80			
5	QPSK	1	24	22.49	22.47	22.45	23	1	
5	QPSK	12	0	21.55	21.69	21.64			
5	QPSK	12	7	21.64	21.61	21.58	23	1	
5	QPSK	12	13	21.55	21.54	21.47			
5	QPSK	25	0	21.57	21.58	21.42	23	1	
5	16QAM	1	0	21.66	21.70	21.76			
5	16QAM	1	12	21.51	21.57	21.63	22	2	
5	16QAM	1	24	21.59	21.68	21.57			
5	16QAM	12	0	20.53	20.67	20.60	22	2	
5	16QAM	12	7	20.41	20.56	20.40			
5	16QAM	12	13	20.55	20.58	20.49	22	2	
5	16QAM	25	0	20.52	20.58	20.58			
5	64QAM	1	0	20.40	20.50	20.51	22	2	
5	64QAM	1	12	20.47	20.47	20.42			
5	64QAM	1	24	20.40	20.52	20.46	21	3	
5	64QAM	12	0	19.66	19.69	19.57			
5	64QAM	12	7	19.49	19.60	19.47	19	5	
5	64QAM	12	13	19.49	19.60	19.62			
5	64QAM	25	0	19.58	19.62	19.59	19	5	
5	256QAM	1	0	17.47	17.71	17.45			
5	256QAM	1	12	17.45	17.61	17.50	19	5	
5	256QAM	1	24	17.60	17.63	17.47			
5	256QAM	12	0	17.70	17.77	17.70	19	5	
5	256QAM	12	7	17.58	17.61	17.45			
5	256QAM	12	13	17.58	17.66	17.49	5	25	
5	256QAM	25	0	17.53	17.74	17.58			

Band 38 HPUE 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									
Frequency (MHz)									
20	QPSK	1	0	25.73	25.78	25.72			
20	QPSK	1	49	25.68	25.71	25.62	27	0	
20	QPSK	1	99	25.54	25.66	25.57			
20	QPSK	50	0	24.69	24.80	24.62			
20	QPSK	50	0	24.61	24.70	24.54	26	1	
20	QPSK	50	50	24.48	24.63	24.54			
20	QPSK	100	0	24.55	24.71	24.62			
20	16QAM	1	0	24.62	24.86	24.87			
20	16QAM	1	49	24.82	24.78	24.67	26	1	
20	16QAM	1	99	24.63	24.78	24.73			
20	16QAM	50	0	23.82	23.92	23.81			
20	16QAM	50	24	23.72	23.84	23.76	25	2	
20	16QAM	50	50	23.63	23.78	23.59			
20	16QAM	100	0	23.82	23.80	23.70			
20	64QAM	1	0	23.82	23.97	23.86			
20	64QAM	1	49	23.81	23.92	23.77	25	2	
20	64QAM	1	99	23.85	23.94	23.79			
20	64QAM	50	0	22.74	22.82	22.71			
20	64QAM	50	24	22.65	22.70	22.62	24	3	
20	64QAM	50	50	22.63	22.75	22.69			
20	64QAM	100	0	22.67	22.81	22.72			
20	256QAM	1	0	20.60	20.90	20.70			
20	256QAM	1	49	20.78	20.86	20.70	22	5	
20	256QAM	1	99	20.66	20.80	20.61			
20	256QAM	50	0	20.82	20.90	20.87			
20	256QAM	50	24	20.64	20.72	20.68	22	5	
20	256QAM	50	50	20.70	20.76	20.64			
20	256QAM	100	0	20.57	20.77	20.68			
Channel									
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	25.69	25.66	25.59			
15	QPSK	1	37	25.62	25.59	25.48	27	0	
15	QPSK	1	74	25.41	25.60	25.49			
15	QPSK	36	0	24.56	24.68	24.49			
15	QPSK	36	20	24.52	24.65	24.53	26	1	
15	QPSK	36	39	24.40	24.56	24.45			
15	QPSK	75	0	24.41	24.57	24.56			
15	16QAM	1	0	24.68	24.83	24.74			
15	16QAM	1	37	24.70	24.68	24.55	26	1	
15	16QAM	1	74	24.48	24.71	24.69			
15	16QAM	36	0	23.74	23.78	23.66			
15	16QAM	36	20	23.59	23.76	23.66	25	2	
15	16QAM	36	39	23.56	23.71	23.53			
15	16QAM	75	0	23.79	23.77	23.67			
15	64QAM	1	0	23.69	23.83	23.78			
15	64QAM	1	37	23.77	23.85	23.70	25	2	
15	64QAM	1	74	23.78	23.81	23.65			
15	64QAM	36	0	22.64	22.77	22.66			
15	64QAM	36	20	22.62	22.66	22.55	24	3	
15	64QAM	36	39	22.45	22.68	22.64			
15	64QAM	75	0	22.57	22.71	22.59			
15	256QAM	1	0	20.58	20.78	20.67			
15	256QAM	1	37	20.71	20.81	20.59	22	5	
15	256QAM	1	74	20.57	20.75	20.49			
15	256QAM	36	0	20.70	20.81	20.70			
15	256QAM	36	20	20.53	20.68	20.63	22	5	
15	256QAM	36	39	20.63	20.71	20.59			
15	256QAM	75	0	20.42	20.64	20.62			
Channel									
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	25.73	25.78	25.75			
10	QPSK	1	25	25.62	25.59	25.50	27	0	
10	QPSK	1	49	25.46	25.56	25.48			
10	QPSK	25	0	24.64	24.76	24.52			
10	QPSK	25	12	24.58	24.59	24.51	26	1	
10	QPSK	25	25	24.36	24.57	24.45			
10	QPSK	50	0	24.41	24.67	24.49			
10	16QAM	1	0	24.71	24.74	24.78			
10	16QAM	1	25	24.77	24.68	24.58	26	1	
10	16QAM	1	49	24.53	24.63	24.62			
10	16QAM	25	0	23.74	23.67	23.73			
10	16QAM	25	12	23.68	23.69	23.64	25	2	
10	16QAM	25	25	23.57	23.66	23.45			
10	16QAM	50	0	23.71	23.67	23.59			
10	64QAM	1	0	23.77	23.91	23.77			
10	64QAM	1	25	23.71	23.83	23.68	25	2	
10	64QAM	1	49	23.76	23.85	23.71			
10	64QAM	25	0	22.69	22.74	22.64			
10	64QAM	25	12	22.51	22.57	22.54	24	3	
10	64QAM	25	25	22.50	22.67	22.64			
10	64QAM	50	0	22.61	22.74	22.61			
10	256QAM	1	0	20.54	20.84	20.57			
10	256QAM	1	25	20.71	20.81	20.57	22	5	
10	256QAM	1	49	20.53	20.66	20.55			
10	256QAM	25	0	20.73	20.79	20.82			
10	256QAM	25	12	20.49	20.69	20.61	22	5	
10	256QAM	25	25	20.59	20.71	20.70			
10	256QAM	50	0	20.46	20.63	20.60			
Channel									
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	25.72	25.95	26.17			
5	QPSK	1	12	25.56	25.65	25.47	27	0	
5	QPSK	1	24	25.51	25.61	25.44			
5	QPSK	12	0	24.54	24.68	24.52			
5	QPSK	12	7	24.56	24.59	24.49	26	1	
5	QPSK	12	13	24.41	24.56	24.46			
5	QPSK	25	0	24.45	24.59	24.52			
5	16QAM	1	0	24.70	24.81	24.80			
5	16QAM	1	12	24.75	24.84	24.69	26	1	
5	16QAM	1	24	24.54	24.67	24.61			
5	16QAM	12	0	23.73	23.74	23.52			
5	16QAM	12	7	23.62	23.80	23.69	25	2	
5	16QAM	12	13	23.55	23.69	23.48			
5	16QAM	25	0	23.75	23.71	23.55			
5	64QAM	1	0	23.68	23.80	23.77			
5	64QAM	1	12	23.75	23.79	23.73	25	2	
5	64QAM	1	24	23.77	23.80	23.75			
5	64QAM	12	0	22.66	22.74	22.61	24	3	
5	64QAM	12	13	22.55	22.58	22.48			
5	64QAM	25	0	22.59	22.64	22.61			
5	64QAM	25	0	22.64	22.75	22.60			
5	256QAM	1	0	20.63	20.77	20.66			
5	256QAM	1	12	20.65	20.78	20.59	22	5	
5	256QAM	1	24	20.52	20.72	20.52			
5	256QAM	12	0	20.72	20.81	20.80			
5	256QAM	12	0	20.59	20.61	20.52	22	5	
5	256QAM	12	13	20.65	20.65	20.62			
5	256QAM	25	0	20.48	20.65	20.56			



Band 41 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	24	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.72	22.63	22.97	22.63	22.67	23	1
20	QPSK	1	49	22.71	22.64	22.78	22.67	22.68		
20	QPSK	1	99	22.70	22.67	22.75	22.68	22.63	23	1
20	QPSK	50	0	21.75	21.75	21.82	21.70	21.70		
20	QPSK	50	24	21.67	21.69	21.78	21.74	21.64	22	2
20	QPSK	50	50	21.65	21.67	21.74	21.69	21.64		
20	QPSK	100	0	21.72	21.79	21.86	21.78	21.73	23	1
20	QPSK	100	0	21.64	21.87	21.98	21.94	21.85		
20	16QAM	1	49	21.77	21.88	21.92	21.79	21.82	22	2
20	16QAM	1	99	21.78	21.73	21.85	21.74	21.88		
20	16QAM	50	0	20.81	20.80	20.84	20.74	20.81	21	3
20	16QAM	50	24	20.84	20.68	20.71	20.62	20.68		
20	16QAM	50	50	20.69	20.65	20.69	20.65	20.62	22	2
20	16QAM	100	0	20.89	20.81	20.93	20.81	20.81		
20	64QAM	1	0	20.71	20.63	20.74	20.70	20.64	21	3
20	64QAM	1	49	20.52	20.51	20.66	20.51	20.53		
20	64QAM	1	99	20.54	20.57	20.65	20.58	20.54	22	2
20	64QAM	50	0	19.88	19.90	19.93	19.80	19.84		
20	64QAM	50	24	19.80	19.78	19.84	19.73	19.82	21	3
20	64QAM	50	50	19.74	19.82	19.87	19.72	19.65		
20	64QAM	100	0	19.79	19.77	19.89	19.77	19.84	19	5
20	256QAM	1	0	17.78	17.77	17.81	17.70	17.78		
20	256QAM	1	49	17.65	17.66	17.71	17.61	17.53	19	5
20	256QAM	1	99	17.62	17.61	17.74	17.70	17.71		
20	256QAM	50	0	17.91	17.92	17.85	17.82	17.89	19	5
20	256QAM	50	24	17.72	17.67	17.82	17.78	17.80		
20	256QAM	50	50	17.82	17.78	17.84	17.76	17.88	20	2
20	256QAM	100	0	17.80	17.86	17.82	17.78	17.88		
Channel				39725	40173	40620	41068	41515	24	0
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5		
15	QPSK	1	0	22.57	22.54	22.91	22.57	22.60	23	1
15	QPSK	1	37	22.60	22.61	22.70	22.60	22.55		
15	QPSK	1	74	22.54	22.63	22.66	22.55	22.55	23	1
15	QPSK	36	0	21.64	21.70	21.71	21.57	21.60		
15	QPSK	36	20	21.56	21.66	21.68	21.63	21.70	23	1
15	QPSK	36	39	21.62	21.52	21.61	21.58	21.63		
15	QPSK	75	0	21.64	21.72	21.73	21.67	21.72	23	1
15	16QAM	1	0	21.80	21.80	21.88	21.80	21.79		
15	16QAM	1	37	21.80	21.78	21.82	21.68	21.64	22	2
15	16QAM	1	74	21.64	21.67	21.81	21.59	21.66		
15	16QAM	36	0	20.70	20.74	20.71	20.65	20.64	22	2
15	16QAM	36	20	20.80	20.82	20.57	20.51	20.55		
15	16QAM	36	39	20.59	20.59	20.57	20.55	20.60	22	2
15	16QAM	75	0	20.70	20.70	20.87	20.76	20.67		
15	64QAM	1	0	20.55	20.49	20.66	20.65	20.61	22	2
15	64QAM	1	37	20.44	20.42	20.61	20.37	20.40		
15	64QAM	1	74	20.44	20.52	20.54	20.50	20.51	21	3
15	64QAM	36	0	19.75	19.85	19.81	19.65	19.73		
15	64QAM	36	20	19.73	19.65	19.75	19.67	19.67	19	5
15	64QAM	36	39	19.72	19.78	19.82	19.67	19.63		
15	64QAM	75	0	19.72	19.68	19.79	19.62	19.65	19	5
15	256QAM	1	0	17.65	17.65	17.75	17.58	17.58		
15	256QAM	1	37	17.60	17.59	17.62	17.47	17.56	19	5
15	256QAM	1	74	17.52	17.52	17.62	17.60	17.59		
15	256QAM	36	0	17.84	17.78	17.88	17.76	17.72	19	5
15	256QAM	36	20	17.63	17.63	17.78	17.69	17.67		
15	256QAM	36	39	17.67	17.67	17.71	17.73	17.71	20	2
15	256QAM	75	0	17.62	17.62	17.65	17.70	17.69		
Channel				39700	40160	40620	41080	41540	24	0
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.49	22.53	22.86	22.59	22.51	23	1
10	QPSK	1	25	22.55	22.55	22.64	22.61	22.55		
10	QPSK	1	49	22.59	22.62	22.72	22.53	22.53	23	1
10	QPSK	25	0	21.71	21.72	21.78	21.66	21.61		
10	QPSK	25	12	21.61	21.63	21.66	21.70	21.69	22	2
10	QPSK	25	25	21.62	21.61	21.69	21.57	21.60		
10	QPSK	50	0	21.68	21.75	21.74	21.72	21.70	23	1
10	16QAM	1	0	21.83	21.74	21.85	21.80	21.89		
10	16QAM	1	25	21.84	21.84	21.81	21.67	21.68	22	2
10	16QAM	1	49	21.67	21.60	21.74	21.64	21.65		
10	16QAM	25	0	20.68	20.71	20.78	20.62	20.64	22	2
10	16QAM	25	12	20.61	20.59	20.58	20.57	20.47		
10	16QAM	25	25	20.52	20.53	20.59	20.56	20.54	22	2
10	16QAM	50	0	20.72	20.69	20.81	20.74	20.66		
10	64QAM	1	0	20.52	20.57	20.70	20.66	20.57	22	2
10	64QAM	1	25	20.38	20.41	20.56	20.40	20.40		
10	64QAM	1	49	20.52	20.53	20.61	20.50	20.46	21	3
10	64QAM	25	0	19.75	19.82	19.83	19.66	19.68		
10	64QAM	25	12	19.70	19.72	19.79	19.69	19.67	19	5
10	64QAM	25	25	19.75	19.78	19.82	19.58	19.65		
10	64QAM	50	0	19.70	19.72	19.75	19.72	19.63	19	5
10	256QAM	1	0	17.71	17.65	17.76	17.65	17.66		
10	256QAM	1	25	17.53	17.52	17.60	17.56	17.52	22	2
10	256QAM	1	49	17.50	17.49	17.70	17.55	17.59		
10	256QAM	25	0	17.86	17.86	17.86	17.75	17.75	21	3
10	256QAM	25	12	17.53	17.61	17.74	17.63	17.66		
10	256QAM	25	25	17.70	17.69	17.79	17.66	17.67	21	3
10	256QAM	50	0	17.82	17.79	17.77	17.65	17.65		
Channel				39675	40148	40620	41093	41565	24	0
Frequency (MHz)				2493.5	25438	2593	26430	2697.5		
5	QPSK	1	0	22.50	22.50	22.91	22.59	22.53	23	1
5	QPSK	1	12	22.55	22.53	22.74	22.61	22.56		
5	QPSK	1	24	22.53	22.61	22.63	22.53	22.60	23	1
5	QPSK	12	0	21.67	21.63	21.68	21.58	21.64		
5	QPSK	12	7	21.57	21.54	21.74	21.69	21.62	22	2
5	QPSK	12	13	21.61	21.57	21.70	21.58	21.58		
5	QPSK	25	0	21.75	21.65	21.75	21.74	21.73	23	1
5	16QAM	1	0	21.75	21.72	21.85	21.86	21.81		
5	16QAM	1	12	21.83	21.74	21.83	21.72	21.70	22	2
5	16QAM	1	24	21.61	21.63	21.73	21.62	21.71		
5	16QAM	12	0	20.69	20.73	20.69	20.59	20.69	22	2
5	16QAM	12	7	20.85	20.54	20.60	20.55	20.47		
5	16QAM	12	13	20.54	20.54	20.62	20.53	20.60	22	2
5	16QAM	25	0	20.74	20.76	20.89	20.77	20.67		
5	64QAM	1	0	20.59	20.54	20.69	20.56	20.59	21	3
5	64QAM	1	12	20.43	20.44	20.57	20.39	20.44		
5	64QAM	1	24	20.42	20.48	20.53	20.44	20.50	19	5
5	64QAM	12	0	19.80	19.82	19.89	19.67	19.66		
5	64QAM	12	7	19.66	19.67	19.75	19.66	19.60	22	2
5	64QAM	12	13	19.76	19.73	19.81	19.69	19		

GSM850 Axt1	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit	
	TX Channel	128	189		251	128	189		251
Frequency (MHz)		824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot		31.52	31.63	31.55	32.50	22.52	22.63	22.55	23.50
GPRS 1 Tx slot		31.46	31.56	31.48	32.50	22.46	22.58	22.48	23.50
GPRS 2 Tx slots		29.31	29.45	29.42	30.50	23.31	23.45	23.42	31.50
GPRS 3 Tx slots		27.56	27.83	27.82	29.00	23.30	23.57	23.56	24.74
GPRS 4 Tx slots		26.18	26.39	26.21	27.50	23.18	23.39	23.21	27.50
EDGE 1 Tx slot		25.43	25.52	25.47	26.50	18.43	18.52	18.47	17.50
EDGE 2 Tx slots		23.37	23.48	23.42	24.50	17.37	17.48	17.42	18.50
EDGE 3 Tx slots		21.98	22.05	22.01	23.00	17.72	17.79	17.75	18.50
EDGE 4 Tx slots		20.63	20.65	20.54	21.50	17.63	17.65	17.54	18.50

GSM1900 Axt1	Burst Average Power (dBm)				Tune-up	Frame-Average Power (dBm)				Tune-up
TX Channel	512	661	810	Limit	512	661	810	Limit	512	
Frequency (MHz)	1625.2	1650	1675.2	30.50	1625.2	1650	1675.2	30.50	1625.2	
GSM 1 Tx slot	29.12	29.29	29.17	30.50	20.12	20.29	20.17	21.50	20.12	
GPRS 1 Tx slot	29.06	29.21	29.13	30.50	20.06	20.21	20.13	21.50	20.06	
GPRS 2 Tx slots	27.10	27.27	27.08	28.50	21.10	21.27	21.08	22.50	21.10	
GPRS 3 Tx slots	25.41	25.62	25.60	27.00	21.15	21.36	21.34	22.74	21.15	
GPRS 4 Tx slots	24.19	24.37	24.24	25.50	21.19	21.37	21.24	22.50	21.19	
EDGE 1 Tx slot	24.87	24.98	24.88	26.00	15.87	15.98	15.88	17.00	15.87	
EDGE 2 Tx slots	22.92	23.05	22.98	24.00	16.92	17.05	16.98	18.00	16.92	
EDGE 3 Tx slots	21.77	21.86	21.75	23.00	17.51	17.60	17.49	18.50	17.51	
EDGE 4 Tx slots	20.58	20.71	20.65	21.50	17.58	17.71	17.65	18.00	17.58	

Band	WCDMA I Axt1				Tune-up Limit (dBm)	WCDMA IV Axt1				Tune-up Limit (dBm)	WCDMA V Axt1				Tune-up Limit (dBm)
	TX Channel	9262	9800	9938		1312	1413	1513	4132		4182	4233			
Rx Channel		9662	9800	9938		1537	1638	1738			4352	4407	4458		
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6			826.4	836.4	846.6		
IGPP Rel 99	AMR 12.2kbps	22.22	22.18	21.89	23.00	22.24	22.22	22.20	23.00	22.74	22.88	22.80	24.00		
IGPP Rel 99	RMC 12.2kbps	22.29	22.10	22.03	23.00	22.29	22.34	22.32	23.00	22.88	22.88	22.86	24.00		
IGPP Rel 6	HSDPA Subtest-1	21.23	21.32	21.11	22.00	21.25	21.38	21.28	22.00	21.80	22.04	21.93	23.00		
IGPP Rel 6	HSDPA Subtest-2	21.05	21.21	21.12	22.00	21.15	21.33	21.24	22.00	21.90	22.01	21.93	23.00		
IGPP Rel 6	HSDPA Subtest-3	20.62	20.78	20.46	21.50	20.59	20.85	20.68	21.50	21.41	21.43	21.38	22.50		
IGPP Rel 6	HSDPA Subtest-4	20.67	20.72	20.60	21.50	20.66	20.85	20.68	21.50	21.42	21.56	21.40	22.50		
IGPP Rel 6	HSUPA Subtest-1	21.05	21.24	21.09	22.00	21.07	21.26	21.28	22.00	21.90	21.91	21.92	23.00		
IGPP Rel 6	HSUPA Subtest-2	19.20	19.34	19.00	20.00	19.10	19.32	19.16	20.00	19.91	20.04	19.95	21.00		
IGPP Rel 6	HSUPA Subtest-3	20.22	20.30	19.97	21.00	20.10	20.32	20.13	21.00	20.91	21.05	20.87	22.00		
IGPP Rel 6	HSUPA Subtest-4	19.25	19.26	18.97	20.00	19.20	19.35	19.15	20.00	19.87	20.02	19.90	21.00		
IGPP Rel 6	HSUPA Subtest-5	21.19	21.22	20.95	22.00	21.18	21.22	21.09	22.00	21.81	21.90	21.96	23.00		

Band 2 Ant1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (s)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.75	21.80	21.89	23	0						
20	QPSK	1	49	21.81	21.83	21.89								
20	QPSK	1	99	21.85	21.80	21.82								
20	QPSK	50	0	20.77	20.80	20.88	22	1						
20	QPSK	50	24	20.83	20.77	20.80								
20	QPSK	50	50	20.88	20.87	20.82								
20	QPSK	100	0	20.87	20.81	20.80	22	1						
20	QPSK	100	0	20.84	20.82	20.77								
20	QPSK	100	0	20.88	20.74	20.88								
20	HQAM	1	49	20.88	20.74	20.88	22	1						
20	HQAM	1	99	20.81	20.83	20.77								
20	HQAM	50	0	19.87	19.79	19.71								
20	HQAM	50	24	19.85	19.82	19.89	21	2						
20	HQAM	50	24	19.85	19.82	19.89								
20	HQAM	50	50	19.89	19.79	19.79								
20	HQAM	1	0	19.79	19.80	19.79	21	2						
20	HQAM	1	49	19.87	19.77	19.82								
20	HQAM	50	0	18.85	18.81	18.77								
20	HQAM	50	0	18.88	18.78	18.82	20	3						
20	HQAM	50	25	18.88	18.74	18.75								
20	HQAM	100	0	18.87	18.72	18.86								
20	HQAM	1	49	18.76	18.67	18.61	18	5						
20	HQAM	1	49	18.76	18.77	18.73								
20	HQAM	1	99	18.60	18.75	18.61								
20	HQAM	50	24	18.83	18.81	18.88	18	5						
20	HQAM	50	24	18.82	18.70	18.62								
20	HQAM	50	50	18.58	18.70	18.57								
20	HQAM	100	0	18.57	18.72	18.58	20	3						
20	HQAM	100	0	18.61	18.62	18.54								
20	HQAM	100	0	18.65	18.60	18.59								
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.87	18.80	19.03	23	0						
15	QPSK	1	0	21.82	21.87	21.44								
15	QPSK	1	37	21.47	21.82	21.89								
15	QPSK	1	74	21.45	21.56	21.41	22	1						
15	QPSK	36	0	20.72	20.87	20.88								
15	QPSK	36	0	20.77	20.73	20.80								
15	QPSK	36	36	20.43	20.61	20.49	22	1						
15	QPSK	75	0	20.49	20.51	20.47								
15	QPSK	75	0	20.77	20.88	20.88								
15	HQAM	1	37	20.60	20.65	20.80	22	1						
15	HQAM	1	37	20.72	20.78	20.80								
15	HQAM	36	0	19.83	19.88	19.81								
15	HQAM	36	20	19.41	19.49	19.58	21	2						
15	HQAM	36	20	19.41	19.49	19.58								
15	HQAM	75	0	19.46	19.61	19.55								
15	HQAM	1	0	19.70	19.79	19.73	21	2						
15	HQAM	1	37	19.40	19.68	19.68								
15	HQAM	1	74	19.57	19.70	19.55								
15	HQAM	36	0	18.53	18.73	18.65	20	3						
15	HQAM	36	0	18.57	18.74	18.68								
15	HQAM	36	36	18.58	18.61	18.57								
15	HQAM	75	0	18.81	18.88	18.80	18	5						
15	HQAM	75	0	18.84	18.84	18.81								
15	HQAM	75	0	18.84	18.68	18.80								
15	HQAM	1	37	18.54	18.62	18.62	18	5						
15	HQAM	1	37	18.54	18.68	18.62								
15	HQAM	1	74	18.58	18.68	18.50								
15	HQAM	36	0	18.53	18.60	18.58	18	5						
15	HQAM	36	20	18.42	18.68	18.53								
15	HQAM	36	39	18.46	18.62	18.45								
15	HQAM	75	0	18.51	18.67	18.54	20	3						
15	HQAM	75	0	18.51	18.62	18.54								
15	HQAM	75	0	18.51	18.62	18.54								
Channel														
Frequency (MHz)														
10	QPSK	1	0	21.48	21.76	21.76	23	0						
10	QPSK	1	25	21.48	21.59	21.49								
10	QPSK	1	49	21.51	21.51	21.47								
10	QPSK	25	0	20.69	20.69	20.69	22	1						
10	QPSK	25	12	20.57	20.63	20.53								
10	QPSK	25	25	20.44	20.62	20.51								
10	QPSK	50	0	20.77	20.83	20.68	22	1						
10	QPSK	50	0	20.77	20.83	20.68								
10	HQAM	1	0	20.77	20.83	20.68								
10	HQAM	1	25	20.53	20.69	20.55	22	1						
10	HQAM	1	49	20.70	20.79	20.68								
10	HQAM	25	0	19.53	19.67	19.68								
10	HQAM	25	12	19.44	19.57	19.54	21	2						
10	HQAM	25	12	19.44	19.58	19.54								
10	HQAM	50	0	19.58	19.60	19.58								
10	HQAM	1	0	19.67	19.82	19.71	21	2						
10	HQAM	1	25	19.53	19.64	19.64								
10	HQAM	1	49	19.55	19.66	19.67								
10	HQAM	25	0	18.58	18.73	18.66	20	3						
10	HQAM	25	0	18.55	18.72	18.68								
10	HQAM	25	25	18.58	18.62	18.63								
10	HQAM	50	0	18.59	18.62	18.60	18	5						
10	HQAM	50	0	18.59	18.68	18.60								
10	HQAM	50	0	18.59	18.72	18.61								
10	HQAM	1	49	18.54	18.61	18.51	18	5						
10	HQAM	1	49	18.54	18.61	18.51								
10	HQAM	1	99	18.58	18.70	18.55								
10	HQAM	25	12	18.46	18.65	18.49	18	5						
10	HQAM	25	12	18.46	18.65	18.49								
10	HQAM	25	25	18.49	18.67	18.46								
10	HQAM	50	0	18.54	18.60	18.55	20	3						
10	HQAM	50	0	18.54	18.60	18.55								
10	HQAM	50	0	18.54	18.60	18.55								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.69	21.68	21.64	23	0						
5	QPSK	1	12	21.58	21.58	21.52								
5	QPSK	1	24	21.42	21.54	21.43								
5	QPSK	12	0	20.73	20.70	20.68	22	1						
5	QPSK	12	0	20.57	20.63	20.53								
5	QPSK	12	13	20.50	20.54	20.59								
5	QPSK	25	0	20.45	20.48	20.45	22	1						
5	QPSK	25	0	20.70	20.78	20.72								
5	HQAM	1	0	20.64	20.65	20.58								
5	HQAM	1	12	20.69	20.69	20.62	22	1						
5	HQAM	1	24	20.69	20.68	20.62								
5	HQAM	12	0	19.85	19.86	19.86								
5	HQAM	12	7	19.51	19.55	19.53	21	2						
5	HQAM	12	13											

Band 12 Ant1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.62	22.79	22.68	24	0						
10	QPSK	1	25	22.68	22.65	22.54								
10	QPSK	1	49	22.46	22.58	22.61								
10	QPSK	25	0	21.61	21.72	21.62								
10	QPSK	25	12	21.54	21.64	21.58	23	1						
10	QPSK	25	25	21.65	21.67	21.68								
10	QPSK	50	0	21.50	21.60	21.53								
10	HQAM	1	0	21.75	21.81	21.73								
10	HQAM	1	25	21.58	21.68	21.64	23	1						
10	HQAM	1	49	21.65	21.77	21.71								
10	HQAM	25	0	20.48	20.62	20.59								
10	HQAM	25	12	20.36	20.50	20.49								
10	HQAM	25	25	20.48	20.52	20.41	22	2						
10	HQAM	50	0	20.53	20.65	20.57								
10	HQAM	1	0	20.74	20.79	20.70								
10	HQAM	1	25	20.70	20.75	20.66								
10	HQAM	1	49	20.56	20.64	20.56	22	2						
10	HQAM	25	0	19.63	19.63	19.52								
10	HQAM	25	12	19.52	19.58	19.47								
10	HQAM	25	25	19.34	19.49	19.48								
10	HQAM	50	0	19.54	19.67	19.54	21	3						
10	HQAM	1	0	17.68	17.73	17.62								
10	HQAM	1	25	17.51	17.65	17.50								
10	HQAM	1	49	17.65	17.60	17.48								
10	HQAM	25	0	17.48	17.58	17.48	19	5						
10	HQAM	25	12	17.40	17.51	17.44								
10	HQAM	25	25	17.43	17.54	17.46								
10	HQAM	50	0	17.67	17.64	17.55								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.58	22.68	22.56	24	0						
5	QPSK	1	12	22.49	22.54	22.43								
5	QPSK	1	24	22.33	22.45	22.44								
5	QPSK	12	0	21.68	21.69	21.65								
5	QPSK	12	7	21.45	21.50	21.42	23	1						
5	QPSK	12	13	21.41	21.63	21.44								
5	QPSK	25	0	21.57	21.61	21.47								
5	HQAM	1	0	21.72	21.77	21.65								
5	HQAM	1	12	21.54	21.56	21.55	23	1						
5	HQAM	1	24	21.54	21.69	21.64								
5	HQAM	12	0	20.42	20.50	20.43								
5	HQAM	12	7	20.33	20.38	20.30								
5	HQAM	25	0	20.49	20.51	20.52	22	2						
5	HQAM	1	0	20.69	20.68	20.61								
5	HQAM	1	12	20.64	20.62	20.67								
5	HQAM	1	24	20.49	20.51	20.45								
5	HQAM	12	0	19.46	19.67	19.45	21	3						
5	HQAM	12	7	19.41	19.43	19.39								
5	HQAM	12	13	19.22	19.35	19.35								
5	HQAM	25	0	19.48	19.62	19.43								
5	HQAM	1	0	17.45	17.45	17.45	19	5						
5	HQAM	1	12	17.45	17.57	17.42								
5	HQAM	1	24	17.51	17.56	17.39								
5	HQAM	12	0	17.41	17.41	17.41								
5	HQAM	12	7	17.38	17.37	17.30	19	5						
5	HQAM	12	13	17.29	17.44	17.47								
5	HQAM	25	0	17.48	17.51	17.48								
5	HQAM	25	0	17.48	17.51	17.48								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.57	22.71	22.58	24	0						
3	QPSK	1	8	22.44	22.55	22.51								
3	QPSK	1	14	22.40	22.46	22.42								
3	QPSK	8	0	21.61	21.66	21.64								
3	QPSK	8	4	21.49	21.54	21.46	23	1						
3	QPSK	8	7	21.43	21.56	21.48								
3	QPSK	16	0	21.46	21.47	21.42								
3	HQAM	1	0	21.63	21.70	21.68								
3	HQAM	1	8	21.49	21.61	21.55	23	1						
3	HQAM	1	14	21.66	21.73	21.68								
3	HQAM	8	0	20.41	20.56	20.50								
3	HQAM	8	4	20.29	20.39	20.31								
3	HQAM	8	7	20.40	20.38	20.38	22	2						
3	HQAM	16	0	20.38	20.52	20.45								
3	HQAM	1	0	20.70	20.67	20.64								
3	HQAM	8	8	20.00	20.71	20.46								
3	HQAM	1	14	20.47	20.55	20.51	21	3						
3	HQAM	8	0	19.49	19.50	19.39								
3	HQAM	8	4	19.42	19.50	19.37								
3	HQAM	8	7	19.23	19.45	19.36								
3	HQAM	16	0	19.45	19.52	19.49	19	5						
3	HQAM	1	0	17.53	17.62	17.54								
3	HQAM	1	8	17.46	17.46	17.38								
3	HQAM	1	14	17.50	17.54	17.41								
3	HQAM	8	0	17.46	17.55	17.35	19	5						
3	HQAM	8	4	17.37	17.47	17.40								
3	HQAM	8	7	17.33	17.49	17.46								
3	HQAM	16	0	17.53	17.52	17.48								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.51	22.51	22.51	24	0						
1.4	QPSK	1	3	22.44	22.51	22.50								
1.4	QPSK	1	5	22.38	22.45	22.38								
1.4	QPSK	3	0	22.56	22.61	22.54								
1.4	QPSK	3	1	22.47	22.49	22.48	23	1						
1.4	QPSK	3	3	22.50	22.58	22.47								
1.4	QPSK	3	0	21.46	21.67	21.46								
1.4	HQAM	1	0	21.66	21.75	21.58								
1.4	HQAM	1	3	21.48	21.56	21.51	23	1						
1.4	HQAM	1	5	21.68	21.73	21.57								
1.4	HQAM	3	0	21.34	21.53	21.42								
1.4	HQAM	3	1	21.29	21.36	21.25								
1.4	HQAM	3	3	21.37	21.44	21.29	22	2						
1.4	HQAM	8	0	20.43	20.60	20.51								
1.4	HQAM	1	0	20.60	20.69	20.57								
1.4	HQAM	1	3	20.62	20.69	20.51								
1.4	HQAM	1	5	20.51	20.61	20.53	22	2						
1.4	HQAM	3	0	20.44	20.59	20.38								
1.4	HQAM	3	1	20.39	20.55	20.42								
1.4	HQAM	3	3	20.29	20.43	20.28								
1.4	HQAM	8	0	19.41	19.61	19.46	21	3						
1.4	HQAM	1	0	17.58	17.66	17.58								
1.4	HQAM	1	3	17.39	17.47	17.41								
1.4	HQAM	1	5	17.43	17.45	17.45								
1.4	HQAM	3	0	17.36	17.46	17.36	19	5						
1.4	HQAM	3	1	17.35	17.38	17.31								
1.4	HQAM	3	3	17.53	17.46	17.36								
1.4	HQAM	8	0	17.53	17.46	17.36								

Band 13 Ant1				
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Band 17 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turnup Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.57	23.73	23.62	25	0		
10	QPSK	1	25	23.47	23.67	23.48				
10	QPSK	1	49	23.45	23.60	23.62				
10	QPSK	25	0	22.56	22.65	22.60	24	1		
10	QPSK	25	12	22.56	22.61	22.48				
10	QPSK	25	25	22.48	22.58	22.44				
10	QPSK	50	0	22.48	22.70	22.57	24	1		
10	QPSK	1	25	22.56	22.67	22.69				
10	QPSK	1	49	22.57	22.65	22.63				
10	HQAM	25	0	21.59	21.67	21.62	23	2		
10	HQAM	25	12	21.58	21.60	21.53				
10	HQAM	25	25	21.49	21.58	21.44				
10	HQAM	50	0	21.53	21.62	21.54	23	2		
10	HQAM	1	25	21.70	21.74	21.69				
10	HQAM	1	25	21.55	21.67	21.64				
10	HQAM	1	49	21.68	21.67	21.54	22	3		
10	HQAM	25	0	20.54	20.60	20.50				
10	HQAM	25	12	20.45	20.54	20.46				
10	HQAM	25	25	20.47	20.58	20.46	22	3		
10	HQAM	50	0	20.54	20.63	20.50				
10	HQAM	1	0	18.57	18.62	18.58				
10	SSQAM	1	25	18.35	18.49	18.44	20	5		
10	SSQAM	1	49	18.33	18.48	18.44				
10	SSQAM	25	0	18.65	18.69	18.55				
10	SSQAM	25	12	18.46	18.58	18.55	20	5		
10	SSQAM	25	25	18.43	18.58	18.44				
10	SSQAM	50	0	18.44	18.57	18.45				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.48	23.64	23.59	25	0		
5	QPSK	1	12	23.42	23.44	23.38				
5	QPSK	1	24	23.38	23.47	23.40				
5	QPSK	12	0	22.49	22.58	22.57	24	1		
5	QPSK	12	7	22.42	22.58	22.57				
5	QPSK	12	13	22.47	22.45	22.44				
5	QPSK	25	0	22.44	22.47	22.34	24	1		
5	QPSK	1	0	22.54	22.58	22.48				
5	HQAM	1	12	22.43	22.61	22.52				
5	HQAM	1	24	22.42	22.62	22.49	23	2		
5	HQAM	12	0	21.54	21.61	21.53				
5	HQAM	12	7	21.43	21.46	21.38				
5	HQAM	12	13	21.40	21.45	21.32	22	3		
5	HQAM	1	12	21.41	21.59	21.45				
5	HQAM	25	0	21.48	21.54	21.45				
5	HQAM	1	0	21.58	21.67	21.50	23	2		
5	HQAM	1	12	21.41	21.59	21.45				
5	HQAM	1	24	21.44	21.52	21.51				
5	HQAM	12	0	20.50	20.45	20.50	22	3		
5	HQAM	12	7	20.31	20.48	20.34				
5	HQAM	12	13	20.41	20.42	20.45				
5	HQAM	25	0	20.47	20.68	20.46	20	5		
5	SSQAM	1	0	18.50	18.52	18.51				
5	SSQAM	1	12	18.25	18.38	18.31				
5	SSQAM	1	24	18.27	18.40	18.30	20	5		
5	SSQAM	12	0	18.52	18.62	18.50				
5	SSQAM	12	7	18.33	18.52	18.39				
5	SSQAM	12	13	18.38	18.44	18.40	20	5		
5	SSQAM	25	0	18.38	18.48	18.43				

Band 25 Ant1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up Int. (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.80	21.83	21.69	23	0						
20	QPSK	1	49	21.65	21.73	21.68								
20	QPSK	1	99	21.68	21.70	21.68								
20	QPSK	50	0	20.70	20.68	20.79	22	1						
20	QPSK	24	0	20.72	20.74	20.68								
20	QPSK	50	50	20.70	20.70	20.63								
20	QPSK	100	0	20.75	20.76	20.66	22	1						
20	HQAM	1	0	20.79	20.98	20.91								
20	HQAM	1	49	20.84	20.85	20.86								
20	HQAM	1	99	20.70	20.83	20.82	21	2						
20	HQAM	1	99	19.78	19.94	19.79								
20	HQAM	50	24	19.73	19.79	19.73								
20	HQAM	50	50	19.74	19.85	19.74	20	3						
20	HQAM	100	0	19.74	19.87	19.69								
20	HQAM	1	0	19.80	19.87	19.82								
20	HQAM	1	49	19.86	19.90	19.77	21	2						
20	HQAM	1	99	19.75	19.86	19.82								
20	HQAM	50	0	18.75	18.87	18.72								
20	HQAM	50	24	18.83	18.74	18.86	20	3						
20	HQAM	50	50	18.83	18.78	18.84								
20	HQAM	100	0	18.67	18.77	18.68								
20	SSQAM	1	0	16.80	16.80	16.59	18	5						
20	SSQAM	1	49	16.84	16.89	16.85								
20	SSQAM	1	99	16.74	16.91	16.75								
20	SSQAM	25	0	16.73	16.80	16.81	18	5						
20	SSQAM	50	24	16.71	16.82	16.72								
20	SSQAM	50	50	16.61	16.84	16.63								
20	SSQAM	100	0	16.61	16.75	16.61	20	3						
Channel														
Frequency (MHz)														
15	QPSK	1	0	21.72	21.78	21.67	23	0						
15	QPSK	1	37	21.66	21.69	21.67								
15	QPSK	1	74	21.68	21.62	21.55								
15	QPSK	50	0	20.58	20.63	20.69	22	1						
15	QPSK	25	0	20.63	20.67	20.69								
15	QPSK	36	36	20.61	20.64	20.54								
15	QPSK	75	0	20.60	20.64	20.59	22	1						
15	HQAM	1	0	20.65	20.87	20.80								
15	HQAM	1	37	20.78	20.78	20.73								
15	HQAM	1	74	20.62	20.66	20.60	21	2						
15	HQAM	36	0	19.62	19.79	19.73								
15	HQAM	36	20	19.60	19.67	19.64								
15	HQAM	36	0	19.63	19.71	19.66	20	3						
15	HQAM	75	0	19.70	19.83	19.57								
15	HQAM	1	0	19.66	19.80	19.77								
15	HQAM	1	37	19.63	19.77	19.67	21	2						
15	HQAM	1	74	19.64	19.72	19.73								
15	HQAM	36	0	18.62	18.75	18.65								
15	HQAM	36	20	18.48	18.48	18.48	20	3						
15	HQAM	36	36	18.58	18.73	18.52								
15	HQAM	75	0	18.60	18.68	18.61								
15	SSQAM	1	0	16.82	16.83	16.83								

Band 30 Ant1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup Init. (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
27710												
10	QPSK	1	0	20.63			22	0				
10	QPSK	1	25	20.78								
10	QPSK	1	40	20.72			21	1				
10	QPSK	25	0	19.82								
10	QPSK	25	12	19.65			20	2				
10	QPSK	25	25	19.75								
10	QPSK	50	0	19.71			21	1				
10	HQAM	1	0	20.05								
10	HQAM	1	25	19.81			20	2				
10	HQAM	1	40	19.97								
10	HQAM	25	0	19.81			19	3				
10	HQAM	25	12	19.84								
10	HQAM	25	25	19.84			17	5				
10	HQAM	50	0	19.82								
10	HQAM	1	0	19.00			20	2				
10	HQAM	1	25	19.78								
10	HQAM	1	40	19.87			19	3				
10	HQAM	25	0	17.79								
10	HQAM	25	12	17.78			17	5				
10	HQAM	25	25	17.74								
10	HQAM	50	0	17.84			17	5				
10	HQAM	1	0	15.93								
10	HQAM	1	25	15.83			20	2				
10	HQAM	1	40	15.84								
10	HQAM	25	12	15.78			17	5				
10	HQAM	25	25	15.78								
10	HQAM	50	0	15.71			20	2				
10	HQAM	1	0	15.75								
Channel												
27685 27710 27735												
23075 2310 23135												
5	QPSK	1	0	20.74	20.70	20.80	22	0				
5	QPSK	1	24	20.68	20.84	20.68						
5	QPSK	1	48	20.63	20.87	20.66	21	1				
5	QPSK	12	0	19.60	19.69	19.70						
5	QPSK	12	7	19.63	19.62	19.60	21	1				
5	QPSK	12	13	19.71	19.63	19.69						
5	QPSK	25	0	19.63	19.68	19.60	21	1				
5	HQAM	1	0	19.63	20.00	19.98						
5	HQAM	1	12	19.77	19.75	19.67	20	2				
5	HQAM	1	24	19.63	19.94	19.91						
5	HQAM	12	0	18.74	18.71	18.73	19	3				
5	HQAM	12	7	18.51	18.52	18.50						
5	HQAM	12	13	18.74	18.74	18.72	17	5				
5	HQAM	25	0	18.76	18.73	18.71						
5	HQAM	1	0	18.53	18.96	18.96	20	2				
5	HQAM	1	12	18.74	18.74	18.72						
5	HQAM	1	24	18.73	18.93	18.93	19	3				
5	HQAM	12	0	17.68	17.76	17.67						
5	HQAM	12	7	17.68	17.64	17.65	17	5				
5	HQAM	12	13	17.56	17.59	17.54						
5	HQAM	25	0	17.70	17.70	17.77	17	5				
5	HQAM	1	0	15.76	15.73	15.70						
5	HQAM	1	12	15.66	15.68	15.64	17	5				
5	HQAM	12	13	15.63	15.62	15.60						
5	HQAM	25	0	15.64	15.68	15.65						

Band 66 Ant1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup Init. (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
1720 1745 1770												
20	QPSK	1	0	21.63	21.84	21.89	23	0				
20	QPSK	1	48	21.68	21.73	21.61						
20	QPSK	1	96	21.68	21.70	21.61	22	1				
20	QPSK	50	0	20.73	20.78	20.68						
20	QPSK	50	24	20.61	20.73	20.68	22	1				
20	QPSK	50	50	20.62	20.85	20.67						
20	QPSK	100	0	20.66	20.70	20.55	22	1				
20	HQAM	1	0	20.77	20.83	20.81						
20	HQAM	1	48	20.77	20.74	20.69	21	2				
20	HQAM	1	96	20.81	20.85	20.59						
20	HQAM	50	0	19.79	19.93	19.79	20	3				
20	HQAM	50	24	19.71	19.86	19.70						
20	HQAM	100	0	19.71	19.86	19.89	21	2				
20	HQAM	1	0	19.84	19.97	19.82						
20	HQAM	1	48	19.85	19.87	19.76	20	3				
20	HQAM	1	96	19.77	19.91	19.80						
20	HQAM	50	0	19.70	19.82	19.79	18	5				
20	HQAM	50	24	19.76	19.86	19.75						
20	HQAM	100	0	19.72	19.86	19.66	18	5				
20	HQAM	1	0	16.86	16.85	16.61						
20	HQAM	1	48	16.74	16.83	16.75	18	5				
20	HQAM	1	96	16.73	16.79	16.70						
20	HQAM	50	0	16.82	16.89	16.80	18	5				
20	HQAM	50	24	16.61	16.75	16.77						
20	HQAM	100	0	16.69	16.83	16.77	20	2				
20	HQAM	1	0	16.61	16.80	16.68						
Channel												
133047 133232 133697												
1717.5 1745 1772.5												
15	QPSK	1	0	21.52	21.78	21.83	23	0				
15	QPSK	1	96	21.61	21.65	21.97						
15	QPSK	1	74	21.43	21.67	21.56	22	1				
15	QPSK	36	0	20.88	20.88	20.59						
15	QPSK	36	18	20.41	20.69	20.51	22	1				
15	QPSK	36	36	20.54	20.52	20.58						
15	QPSK	75	0	20.82	20.86	20.49	22	1				
15	QPSK	75	0	20.67	20.68	20.54						
15	HQAM	1	37	20.69	20.70	20.63	21	2				
15	HQAM	1	74	20.68	20.67	20.70						
15	HQAM	36	0	19.67	19.89	19.74	20	3				
15	HQAM	36	20	19.61	19.82	19.66						
15	HQAM	36	0	19.62	19.87	19.66	21	2				
15	HQAM	75	0	19.60	19.78	19.83						
15	HQAM	1	0	19.78	19.84	19.73	20	3				
15	HQAM	1	74	19.75	19.73	19.70						
15	HQAM	1	74	19.74	19.83	19.85	20	3				
15	HQAM	36	0	18.59	18.88	18.75						
15	HQAM	36	0	18.52	18.80	18.64	18	5				
15	HQAM	36	50	19.57	19.59	19.52						
15	HQAM	75	0	18.68	18.80	18.61	18	5				
15	HQAM	75	0	18.57	18.82	18.70						
15	HQAM	1	37	16.57	16.70	16.63	18	5				
15	HQAM	1	74	16.62	16.74	16.64						
15	HQAM	36	0	16.56	16.83	16.67	18	5				
15	HQAM	36	20	16.55	16.89	16.69						
15	HQAM	36	36	16.57	16.76	16.63	18	5				
15	HQAM	75	0	16.51	16.80	16.68						
Channel												
133022 133232 133697												
1715 1745 1775												
10	QPSK	1	0	21.67	21.78	21.58	23	0				
10	QPSK	1	25	21.62	21.58	21.54						
10	QPSK	1	48	21.48	21.57	21.55	22	1				
10	QPSK	1	72	21.60	21.64	21.61						
10	QPSK	2										

Band 2 EDNC Ant2																	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	APR (dB)									
Channel																	
Frequency (MHz)																	
20	QPSK	1	0	22.59	22.64	22.94	24	0									
20	QPSK	1	49	22.59	22.64	22.94											
20	QPSK	1	99	22.76	22.88	23.06	23	1									
20	QPSK	50	0	21.98	22.05	21.88											
20	QPSK	50	24	21.91	22.02	21.88	23	1									
20	QPSK	50	50	21.87	21.92	21.84											
20	QPSK	100	0	21.98	22.05	21.95	23	1									
20	16QAM	1	0	21.84	21.91	21.88											
20	16QAM	1	49	21.72	21.81	21.84	22	2									
20	16QAM	1	99	21.60	21.72	21.83											
20	16QAM	50	0	20.95	21.08	20.99	22	2									
20	16QAM	50	24	20.85	21.04	20.93											
20	16QAM	50	50	20.87	20.94	20.84	21	3									
20	16QAM	100	0	21.91	21.93	21.90											
20	64QAM	1	0	20.84	20.92	20.72	22	2									
20	64QAM	1	49	20.76	20.84	20.72											
20	64QAM	1	99	20.82	20.72	20.59	21	3									
20	64QAM	50	0	20.02	20.11	19.97											
20	64QAM	50	24	20.00	20.10	20.07	19	5									
20	64QAM	50	50	19.97	20.00	19.99											
20	256QAM	1	0	19.07	19.10	20.03	19	5									
20	256QAM	1	49	18.01	18.04	17.93											
20	256QAM	1	99	17.92	17.94	17.86	19	5									
20	256QAM	50	0	17.96	17.95	17.92											
20	256QAM	50	24	17.94	18.08	17.95	20	5									
20	256QAM	50	50	17.81	17.83	17.78											
20	256QAM	100	0	17.25	17.25	17.25											
Channel																	
Frequency (MHz)																	
18	QPSK	1	0	22.03	22.05	22.79	24	0									
18	QPSK	1	37	22.86	22.81	22.78											
18	QPSK	1	74	22.72	22.74	22.81	23	1									
18	QPSK	36	0	21.87	21.95	21.83											
18	QPSK	36	25	21.86	21.97	21.84	23	1									
18	QPSK	36	39	21.76	21.88	21.81											
18	QPSK	75	0	21.93	21.94	21.98	23	1									
18	16QAM	1	0	21.75	21.78	21.75											
18	16QAM	1	37	21.69	21.68	21.59	22	2									
18	16QAM	1	74	21.66	21.69	21.67											
18	16QAM	36	0	20.90	20.91	20.77	21	3									
18	16QAM	36	20	20.84	20.89	20.82											
18	16QAM	36	39	20.77	20.86	20.87	19	5									
18	16QAM	75	0	20.96	20.91	20.88											
18	64QAM	1	0	20.81	20.74	20.57	22	2									
18	64QAM	1	37	20.85	20.79	20.64											
18	64QAM	1	74	20.51	20.52	20.45	21	3									
18	64QAM	36	0	19.90	20.02	19.82											
18	64QAM	36	20	19.98	20.06	19.97	19	5									
18	64QAM	36	39	19.85	19.95	19.84											
18	64QAM	75	0	19.93	20.00	19.88	19	5									
18	256QAM	1	0	17.86	17.86	17.86											
18	256QAM	1	37	17.88	17.93	17.89	19	5									
18	256QAM	1	74	17.79	17.87	17.71											
18	256QAM	36	0	17.82	17.85	17.86	19	5									
18	256QAM	36	20	17.82	18.00	17.84											
18	256QAM	36	39	17.67	17.80	17.69	19	5									
18	256QAM	75	0	17.91	17.93	17.85											
Channel																	
Frequency (MHz)																	
10	QPSK	1	0	22.78	22.73	22.68	24	0									
10	QPSK	1	25	22.76	22.73	22.68											
10	QPSK	1	49	22.66	22.85	22.82	23	1									
10	QPSK	25	12	21.85	21.98	21.83											
10	QPSK	25	25	21.79	21.77	21.71	23	1									
10	QPSK	50	0	21.82	21.84	21.86											
10	16QAM	1	0	21.76	21.85	21.76	23	1									
10	16QAM	1	26	21.61	21.68	21.50											
10	16QAM	1	49	21.60	21.60	21.58	22	2									
10	16QAM	25	0	20.88	20.92	20.92											
10	16QAM	25	12	20.86	20.92	20.90	21	3									
10	16QAM	50	0	20.76	20.83	20.71											
10	16QAM	50	0	20.94	20.91	20.90	22	2									
10	64QAM	1	0	20.54	20.75	20.61											
10	64QAM	1	24	20.62	20.71	20.61	21	3									
10	64QAM	1	49	20.57	20.61	20.53											
10	64QAM	25	0	19.91	20.03	19.83	19	5									
10	64QAM	25	12	19.94	20.02	19.98											
10	64QAM	25	25	19.88	19.94	19.95	19	5									
10	64QAM	50	0	19.83	19.98	19.93											
10	256QAM	1	0	18.00	18.00	18.00	19	5									
10	256QAM	1	26	17.88	17.99	17.94											
10	256QAM	1	49	17.77	17.85	17.78	19	5									
10	256QAM	25	0	17.93	18.01	17.95											
10	256QAM	25	12	17.80	18.05	17.89	19	5									
10	256QAM	25	25	17.73	17.90	17.84											
10	256QAM	50	0	17.91	17.95	17.77											
Channel																	
Frequency (MHz)																	
5	QPSK	1	0	22.69	22.81	22.48	24	0									
5	QPSK	1	12	22.77	22.85	22.89											
5	QPSK	1	24	22.71	22.80	22.79	23	1									
5	QPSK	12	0	21.86	21.94	21.74											
5	QPSK	12	7	21.88	21.93	21.80	23	1									
5	QPSK	12	13	21.79	21.79	21.74											
5	QPSK	25	0	21.92	21.94	21.96	23	1									
5	16QAM	1	0	21.70	21.85	21.72											
5	16QAM	1	12	21.59	21.71	21.49	22	2									
5	16QAM	1	24	21.52	21.47	21.36											
5	16QAM	12	0	20.88	20.94	20.79	22	2									
5	16QAM	12	7	20.67	21.00	20.92											
5	16QAM	12	13	20.86	20.83	20.71	22	2									
5	16QAM	25	0	20.88	20.96	20.94											
5	64QAM	1	0	20.51	20.78	20.62	21	3									
5	64QAM	1	12	20.67	20.74	20.65											
5	64QAM	1	24	20.58	20.60	20.48	19	5									
5	64QAM	12	0	19.95	19.96	19.90											
5	64QAM	12	7	19.91	19.99	20.03	19	5									
5	64QAM	12	13	19.88	19.95	19.94											
5	64QAM	25	0	19.85	19.93	19.95	19	5									
5	256QAM	1															

Band 7 Ant5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)				
Channel				2050	2100	2150						
Frequency (MHz)				2510	2535	2560						
20	QPSK	1	0	22.82	23.13	23.11	24	0				
20	QPSK	1	49	22.76	22.96	22.85						
20	QPSK	1	99	22.87	23.05	22.96						
20	QPSK	50	0	22.00	22.20	22.15	23	1				
20	QPSK	50	24	21.98	22.14	22.04						
20	QPSK	50	50	21.85	22.06	22.03						
20	QPSK	100	0	21.99	22.13	22.00	23	1				
20	16QAM	1	0	21.71	21.92	21.88						
20	16QAM	1	49	21.82	21.97	21.87						
20	16QAM	1	99	21.81	22.02	21.90	22	2				
20	16QAM	50	0	20.85	21.11	21.03						
20	16QAM	50	24	21.02	21.21	21.07						
20	16QAM	50	50	20.91	21.16	21.09	22	2				
20	16QAM	100	0	20.91	21.12	21.05						
20	64QAM	1	0	20.80	20.94	20.89						
20	64QAM	1	49	20.63	20.86	20.73	22	2				
20	64QAM	1	99	20.64	20.86	20.73						
20	64QAM	50	0	19.85	20.10	20.01						
20	64QAM	50	24	19.87	20.06	19.94	21	3				
20	64QAM	50	50	19.83	20.07	19.93						
20	64QAM	100	0	19.89	20.13	20.06						
20	256QAM	1	0	17.80	17.98	17.89	19	5				
20	256QAM	1	49	17.72	17.86	17.75						
20	256QAM	1	99	17.61	17.86	17.74						
20	256QAM	50	0	17.81	18.07	17.98	19	5				
20	256QAM	50	24	17.70	17.94	17.80						
20	256QAM	50	50	17.83	18.01	17.87						
20	256QAM	100	0	17.90	18.16	18.13						
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2507.5	2535	2562.5						
15	QPSK	1	0	22.73	23.02	22.97	24	0				
15	QPSK	1	37	22.72	22.85	22.73						
15	QPSK	1	74	22.83	22.92	22.86						
15	QPSK	36	0	21.96	22.11	22.02	23	1				
15	QPSK	36	20	21.87	22.07	21.90						
15	QPSK	36	39	21.82	22.02	21.95						
15	QPSK	75	0	21.94	22.01	21.85	23	1				
15	16QAM	1	0	21.83	21.81	21.84						
15	16QAM	1	37	21.68	21.85	21.90						
15	16QAM	1	74	21.67	21.89	21.83	22	2				
15	16QAM	36	0	20.02	20.98	20.88						
15	16QAM	36	20	20.89	21.12	21.03						
15	16QAM	36	39	20.81	21.02	20.95	22	2				
15	16QAM	75	0	20.84	20.99	20.90						
15	64QAM	1	0	20.75	20.86	20.82						
15	64QAM	1	37	20.52	20.74	20.62	22	2				
15	64QAM	1	74	20.61	20.79	20.60						
15	64QAM	36	0	19.75	19.98	19.95						
15	64QAM	36	20	19.72	20.03	19.79	21	3				
15	64QAM	36	39	19.77	19.96	19.79						
15	64QAM	75	0	19.82	20.08	19.94						
15	256QAM	1	0	17.65	17.90	17.85	19	5				
15	256QAM	1	37	17.65	17.74	17.71						
15	256QAM	1	74	17.52	17.81	17.65						
15	256QAM	36	0	17.74	17.96	17.91	19	5				
15	256QAM	36	20	17.62	17.84	17.76						
15	256QAM	36	39	17.73	17.88	17.83						
15	256QAM	75	0	17.78	18.09	18.04						
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2505	2535	2565						
10	QPSK	1	0	22.69	23.06	22.98	24	0				
10	QPSK	1	25	22.62	22.83	22.73						
10	QPSK	1	49	22.84	22.91	22.86						
10	QPSK	25	0	21.86	22.07	22.09	23	1				
10	QPSK	25	12	21.90	22.07	21.93						
10	QPSK	25	25	21.81	22.03	21.90						
10	QPSK	50	0	21.85	22.05	21.92	23	1				
10	16QAM	1	0	21.68	21.78	21.78						
10	16QAM	1	25	21.72	21.89	21.79						
10	16QAM	1	49	21.78	21.95	21.81	22	2				
10	16QAM	25	0	20.82	20.97	20.97						
10	16QAM	25	12	20.95	21.15	20.93						
10	16QAM	25	25	20.81	21.06	20.99	22	2				
10	16QAM	50	0	20.77	20.97	20.95						
10	64QAM	1	0	20.65	20.87	20.77						
10	64QAM	1	25	20.58	20.73	20.68	22	2				
10	64QAM	1	49	20.59	20.78	20.62						
10	64QAM	25	0	19.73	20.02	19.90						
10	64QAM	25	12	19.83	19.98	19.90	21	3				
10	64QAM	25	25	19.75	19.99	19.88						
10	64QAM	50	0	19.81	20.09	20.02						
10	256QAM	1	0	17.69	17.87	17.81	19	5				
10	256QAM	1	25	17.57	17.81	17.60						
10	256QAM	1	49	17.49	17.78	17.69						
10	256QAM	25	0	17.69	17.94	17.94	19	5				
10	256QAM	25	12	17.61	17.88	17.70						
10	256QAM	25	25	17.73	17.87	17.80						
10	256QAM	50	0	17.86	18.04	18.03						
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2502.5	2535	2567.5						
5	QPSK	1	0	22.67	23.01	22.97	24	0				
5	QPSK	1	12	22.71	22.86	22.70						
5	QPSK	1	24	22.75	22.92	22.87						
5	QPSK	12	0	21.95	22.11	22.07	23	1				
5	QPSK	12	7	21.85	22.08	21.97						
5	QPSK	12	13	21.76	21.96	21.90						
5	QPSK	25	0	21.84	22.04	21.92	23	1				
5	16QAM	1	0	21.81	21.81	21.80						
5	16QAM	1	12	21.71	21.93	21.74						
5	16QAM	1	24	21.66	21.89	21.86	22	2				
5	16QAM	12	0	20.88	20.98	20.98						
5	16QAM	12	7	20.93	21.08	20.94						
5	16QAM	12	13	20.82	21.08	20.98	22	2				
5	16QAM	25	0	20.86	21.03	20.98						
5	64QAM	1	0	20.74	20.84	20.78						
5	64QAM	1	12	20.50	20.76	20.59	22	2				
5	64QAM	1	24	20.55	20.80	20.67						
5	64QAM	12	0	19.70	19.98	19.91						
5	64QAM	12	7	19.76	20.01	19.88	21	3				
5	64QAM	12	13	19.79	20.04	19.81						
5	64QAM	25	0	19.83	20.							

Band 7 Ant6												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)				
Channel				2050	2100	2150						
Frequency (MHz)				2510	2535	2560						
20	QPSK	1	0	22.94	23.09	22.91	24	0				
20	QPSK	1	49	22.80	22.92	22.82						
20	QPSK	1	99	22.95	23.01	22.96						
20	QPSK	50	0	21.95	22.05	21.98	23	1				
20	QPSK	50	24	21.90	21.96	21.87						
20	QPSK	50	50	21.96	22.03	21.96						
20	QPSK	100	0	21.83	21.98	21.88	23	1				
20	16QAM	1	0	21.93	22.05	21.92						
20	16QAM	1	49	21.93	22.02	21.98						
20	16QAM	1	99	21.83	21.92	21.78	22	2				
20	16QAM	50	0	20.83	21.02	20.92						
20	16QAM	50	24	20.80	20.97	20.74						
20	16QAM	50	50	20.85	20.90	20.78	22	2				
20	16QAM	100	0	20.94	20.99	20.85						
20	64QAM	1	0	20.81	21.06	20.92						
20	64QAM	1	49	20.84	20.91	20.85	22	2				
20	64QAM	1	99	20.95	21.03	20.95						
20	64QAM	50	0	19.93	20.07	20.00						
20	64QAM	50	24	19.95	20.03	19.93	21	3				
20	64QAM	50	50	19.88	20.00	19.96						
20	64QAM	100	0	19.93	19.98	19.90						
20	256QAM	1	0	17.67	17.80	17.75	19	5				
20	256QAM	1	49	17.70	17.74	17.67						
20	256QAM	1	99	17.60	17.68	17.53						
20	256QAM	50	0	17.98	18.03	17.92	19	5				
20	256QAM	50	24	17.92	17.99	17.92						
20	256QAM	50	50	17.85	17.99	17.92						
20	256QAM	100	0	17.90	18.01	17.96						
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2502.5	2535	2562.5						
15	QPSK	1	0	22.85	23.03	22.78	24	0				
15	QPSK	1	37	22.72	22.83	22.77						
15	QPSK	1	74	22.90	22.95	22.87						
15	QPSK	36	0	21.85	21.97	21.85	23	1				
15	QPSK	36	20	21.82	21.92	21.74						
15	QPSK	36	39	21.83	21.99	21.89						
15	QPSK	75	0	21.72	21.85	21.74	23	1				
15	16QAM	1	0	21.85	21.92	21.88						
15	16QAM	1	37	21.83	21.94	21.91						
15	16QAM	1	74	21.77	21.82	21.71	22	2				
15	16QAM	36	0	20.90	20.98	20.83						
15	16QAM	36	20	20.86	20.75	20.70						
15	16QAM	36	39	20.78	20.81	20.72	22	2				
15	16QAM	75	0	20.87	20.96	20.72						
15	64QAM	1	0	20.87	20.98	20.83						
15	64QAM	1	37	20.81	20.84	20.73	21	3				
15	64QAM	1	74	20.85	20.96	20.92						
15	64QAM	36	0	19.81	19.95	19.91						
15	64QAM	36	20	19.81	19.98	19.85	19	5				
15	64QAM	36	39	19.81	19.94	19.89						
15	64QAM	75	0	19.85	19.89	19.81						
15	256QAM	1	0	17.63	17.72	17.64	19	5				
15	256QAM	1	37	17.66	17.65	17.55						
15	256QAM	1	74	17.56	17.62	17.42						
15	256QAM	36	0	17.85	17.94	17.84	19	5				
15	256QAM	36	20	17.82	17.86	17.81						
15	256QAM	36	39	17.81	17.90	17.80						
15	256QAM	75	0	17.87	17.92	17.84						
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2505	2535	2565						
10	QPSK	1	0	22.90	22.95	22.85	24	0				
10	QPSK	1	25	22.72	22.80	22.71						
10	QPSK	1	49	22.85	22.92	22.83						
10	QPSK	25	0	21.90	21.95	21.84	23	1				
10	QPSK	25	12	21.80	21.84	21.83						
10	QPSK	25	25	21.91	21.98	21.90						
10	QPSK	50	0	21.69	21.88	21.80	23	1				
10	16QAM	1	0	21.78	22.00	21.80						
10	16QAM	1	25	21.79	21.93	21.89						
10	16QAM	1	49	21.77	21.84	21.64	22	2				
10	16QAM	25	0	20.82	20.98	20.86						
10	16QAM	25	12	20.69	20.83	20.68						
10	16QAM	25	25	20.80	20.77	20.64	22	2				
10	16QAM	50	0	20.86	20.92	20.73						
10	64QAM	1	0	20.81	20.95	20.81						
10	64QAM	1	25	20.81	20.77	20.72	22	2				
10	64QAM	1	49	20.80	20.91	20.82						
10	64QAM	25	0	19.79	19.95	19.87						
10	64QAM	25	12	19.86	19.94	19.85	21	3				
10	64QAM	25	25	19.80	19.88	19.83						
10	64QAM	50	0	19.81	19.93	19.76						
10	256QAM	1	0	17.56	17.76	17.69	19	5				
10	256QAM	1	25	17.57	17.66	17.63						
10	256QAM	1	49	17.53	17.56	17.42						
10	256QAM	25	0	17.85	17.90	17.86	19	5				
10	256QAM	25	12	17.83	17.90	17.81						
10	256QAM	25	25	17.70	17.86	17.79						
10	256QAM	50	0	17.85	17.89	17.84						
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2502.5	2535	2567.5						
5	QPSK	1	0	22.84	23.05	22.83	24	0				
5	QPSK	1	12	22.76	22.84	22.68						
5	QPSK	1	24	22.89	22.94	22.86						
5	QPSK	12	0	21.83	21.96	21.84	23	1				
5	QPSK	12	7	21.77	21.90	21.77						
5	QPSK	12	13	21.88	22.00	21.86						
5	QPSK	25	0	21.70	21.89	21.81	23	1				
5	16QAM	1	0	21.82	21.97	21.77						
5	16QAM	1	12	21.80	21.97	21.83						
5	16QAM	1	24	21.78	21.81	21.74	22	2				
5	16QAM	12	0	20.82	20.90	20.86						
5	16QAM	12	7	20.76	20.80	20.71						
5	16QAM	12	13	20.75	20.82	20.70	22	2				
5	16QAM	25	0	20.89	20.86	20.78						
5	64QAM	1	0	20.82	21.01	20.81						
5	64QAM	1	12	20.80	20.85	20.79	22	2				
5	64QAM	1	24	20.82	20.94	20.85						
5	64QAM	12	0	19.81	19.96	19.90						
5	64QAM	12	7	19.84	19.90	19.85	21	3				
5	64QAM	12	13	19.84	19.88	19.86						
5	64QAM	25	0	19.87	19.85							

**Band 42 FCC Part96 Ant 8**

BW [MHz]	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)				43190	43340	43490		
				3560	3575	3590		
20	QPSK	1	0	23.51	23.70	23.47	24.5	0
20	QPSK	1	49	23.30	23.45	23.48		
20	QPSK	1	99	23.39	23.51	23.36		
20	QPSK	50	0	22.52	22.68	22.57	23.5	1
20	QPSK	50	24	22.48	22.52	22.47		
20	QPSK	50	50	22.44	22.48	22.47		
20	QPSK	100	0	22.68	22.73	22.63	23.5	1
20	16QAM	1	0	22.62	22.67	22.76		
20	16QAM	1	49	22.52	22.54	22.46		
20	16QAM	1	99	22.44	22.46	22.56	22.5	2
20	16QAM	50	0	21.59	21.65	21.63		
20	16QAM	50	24	21.46	21.62	21.57		
20	16QAM	50	50	21.67	21.58	21.62	22.5	2
20	16QAM	100	0	21.65	21.61	21.54		
20	16QAM	100	0	21.25	21.36	21.29		
20	64QAM	1	49	21.23	21.25	21.16	22.5	2
20	64QAM	1	99	21.23	21.19	21.19		
20	64QAM	50	0	20.52	20.70	20.57		
20	64QAM	50	24	20.56	20.73	20.58	21.5	3
20	64QAM	50	50	20.37	20.80	20.58		
20	64QAM	100	0	20.55	20.63	20.57		
20	256QAM	1	0	18.63	18.75	18.72	19.5	5
20	256QAM	1	49	18.70	18.63	18.46		
20	256QAM	1	99	18.71	18.64	18.66		
20	256QAM	50	0	18.68	18.68	18.70	19.5	5
20	256QAM	50	24	18.67	18.66	18.74		
20	256QAM	50	50	18.54	18.61	18.50		
20	256QAM	100	0	18.64	18.66	18.52	Tune-up limit (dBm)	MPR (dB)
Channel				43190	43340	43490		
Frequency (MHz)				3567.5	3575	3592.5		
15	QPSK	1	0	23.57	23.60	23.50	24.5	0
15	QPSK	1	37	23.35	23.49	23.50		
15	QPSK	1	74	23.43	23.38	23.43		
15	QPSK	36	0	22.55	22.63	22.58	23.5	1
15	QPSK	36	20	22.53	22.53	22.43		
15	QPSK	36	39	22.37	22.51	22.45		
15	QPSK	75	0	22.68	22.70	22.63	23.5	1
15	16QAM	1	0	22.53	22.74	22.77		
15	16QAM	1	37	22.52	22.61	22.43		
15	16QAM	1	74	22.44	22.66	22.52	22.5	2
15	16QAM	36	0	21.59	21.61	21.63		
15	16QAM	36	20	21.49	21.68	21.56		
15	16QAM	36	39	21.61	21.59	21.63	22.5	2
15	16QAM	75	0	21.68	21.58	21.52		
15	16QAM	1	0	21.29	21.35	21.29		
15	64QAM	1	37	21.25	21.24	21.16	22.5	2
15	64QAM	1	74	21.25	21.22	21.16		
15	64QAM	36	0	20.54	20.70	20.52		
15	64QAM	36	20	20.58	20.69	20.61	21.5	3
15	64QAM	36	39	20.45	20.54	20.64		
15	64QAM	75	0	20.47	20.60	20.51		
15	256QAM	1	0	18.55	18.74	18.77	19.5	5
15	256QAM	1	37	18.65	18.68	18.53		
15	256QAM	1	74	18.63	18.68	18.60		
15	256QAM	36	0	18.69	18.76	18.64	19.5	5
15	256QAM	36	20	18.68	18.63	18.79		
15	256QAM	36	39	18.51	18.62	18.43		
15	256QAM	75	0	18.64	18.65	18.48	Tune-up limit (dBm)	MPR (dB)
Channel				43140	43340	43540		
Frequency (MHz)				3565	3575	3585		
10	QPSK	1	0	23.57	23.61	23.52	24.5	0
10	QPSK	1	25	23.33	23.51	23.47		
10	QPSK	1	49	23.37	23.45	23.32		
10	QPSK	25	0	22.62	22.61	22.59	23.5	1
10	QPSK	25	12	22.65	22.51	22.41		
10	QPSK	25	25	22.36	22.46	22.48		
10	QPSK	50	0	22.65	22.69	22.63	23.5	1
10	16QAM	1	0	22.58	22.71	22.70		
10	16QAM	1	25	22.44	22.69	22.45		
10	16QAM	1	49	22.44	22.63	22.55	22.5	2
10	16QAM	25	0	21.59	21.67	21.65		
10	16QAM	25	12	21.52	21.71	21.58		
10	16QAM	25	25	21.64	21.59	21.66	22.5	2
10	16QAM	50	0	21.65	21.60	21.50		
10	64QAM	1	0	21.31	21.44	21.32		
10	64QAM	1	25	21.26	21.19	21.17	22.5	2
10	64QAM	1	49	21.23	21.20	21.14		
10	64QAM	25	0	20.42	20.59	20.45		
10	64QAM	25	12	20.62	20.69	20.57	21.5	3
10	64QAM	25	25	20.43	20.59	20.55		
10	64QAM	50	0	20.53	20.62	20.53		
10	256QAM	1	0	18.61	18.75	18.75	19.5	5
10	256QAM	1	25	18.69	18.64	18.54		
10	256QAM	1	49	18.63	18.64	18.63		
10	256QAM	25	0	18.69	18.74	18.69	19.5	5
10	256QAM	25	12	18.62	18.63	18.78		
10	256QAM	25	25	18.43	18.64	18.45		
10	256QAM	50	0	18.66	18.61	18.48	Tune-up limit (dBm)	MPR (dB)
Channel				43115	43340	43565		
Frequency (MHz)				3552.5	3575	3597.5		
5	QPSK	1	0	23.51	23.63	23.54	24.5	0
5	QPSK	1	12	23.31	23.54	23.43		
5	QPSK	1	24	23.40	23.51	23.32		
5	QPSK	12	0	22.57	22.64	22.55	23.5	1
5	QPSK	12	7	22.50	22.52	22.51		
5	QPSK	12	13	22.42	22.49	22.40		
5	QPSK	25	0	22.71	22.68	22.67	23.5	1
5	16QAM	1	0	22.57	22.86	22.76		
5	16QAM	1	12	22.52	22.55	22.46		
5	16QAM	1	24	22.45	22.64	22.50	22.5	2
5	16QAM	12	0	21.59	21.66	21.66		
5	16QAM	12	7	21.55	21.72	21.52		
5	16QAM	12	13	21.64	21.63	21.65	22.5	2
5	16QAM	25	0	21.68	21.59	21.52		
5	16QAM	1	0	21.30	21.36	21.27		
5	64QAM	1	12	21.24	21.22	21.23	22.5	2
5	64QAM	1	24	21.29	21.24	21.10		
5	64QAM	12	0	20.57	20.65	20.57		
5	64QAM	12	7	20.63	20.67	20.57	21.5	3
5	64QAM	12	13	20.39	20.59	20.58		
5	64QAM	25	0	20.49	20.62	20.49		
5	256QAM	1	0	18.59	18.74	18.69	19.5	5
5	256QAM	1	12	18.68	18.63	18.55		
5	256QAM	1	24	18.63	18.66	18.60		
5	256QAM	12	0	18.73	18.68	18.65	19.5	5
5	256QAM	12	7	18.65	18.67	18.75		
5	256QAM	12	13	18.47	18.60	18.49		
5	256QAM	25	0	18.66	18.60	18.54	Tune-up limit (dBm)	MPR (dB)
Channel				43115	43340	43565		
Frequency (MHz)				3552.5	3575	3597.5		

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								
Frequency (MHz)				42190	42590	42990		
				3400	3500	3540		
20	QPSK	1	0	23.59	23.73	23.56	24.5	0
20	QPSK	1	49	23.39	23.59	23.62		
20	QPSK	1	99	23.44	23.54	23.40		
20	QPSK	50	0	22.62	22.70	22.61	23.5	1
20	QPSK	50	24	22.56	22.60	22.51		
20	QPSK	50	50	22.45	22.47	22.49		
20	QPSK	100	0	22.71	22.76	22.71	23.5	1
20	16QAM	1	0	22.63	22.74	22.79		
20	16QAM	1	49	22.53	22.61	22.53		
20	16QAM	1	99	22.46	22.66	22.57	22.5	2
20	16QAM	50	0	21.65	21.68	21.69		
20	16QAM	50	24	21.55	21.72	21.58		
20	16QAM	50	50	21.68	21.64	21.66	22.5	2
20	16QAM	100	0	21.73	21.65	21.57		



Band 48_FCC Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55630	56150	56640	24.5	0
Frequency (MHz)				3590	3590	3641	3590		
20	QPSK	1	0	23.62	23.80	23.69	23.88	23.5	1
20	QPSK	1	49	23.54	23.65	23.62	23.52		
20	QPSK	1	99	23.52	23.61	23.58	23.52	23.5	1
20	QPSK	50	0	22.64	22.79	22.65	22.66		
20	QPSK	50	24	22.65	22.72	22.62	22.66	23.5	1
20	QPSK	50	50	22.63	22.71	22.68	22.58		
20	QPSK	100	0	22.68	22.75	22.69	22.61	23.5	1
20	16QAM	1	0	22.47	22.56	22.46	22.58		
20	16QAM	1	49	22.48	22.47	22.46	22.47	23.5	1
20	16QAM	1	99	22.46	22.51	22.46	22.50		
20	16QAM	50	0	21.85	21.74	21.80	21.82	22.5	2
20	16QAM	50	24	21.85	21.68	21.57	21.68		
20	16QAM	50	50	21.59	21.71	21.65	21.61	22.5	2
20	16QAM	100	0	21.75	21.79	21.70	21.67		
20	16QAM	1	0	21.32	21.47	21.53	21.42	22.5	2
20	16QAM	1	49	21.39	21.48	21.43	21.38		
20	16QAM	1	99	21.36	21.44	21.37	21.41	21.5	3
20	16QAM	50	0	20.74	20.78	20.70	20.68		
20	16QAM	50	24	20.61	20.69	20.63	20.54	21.5	3
20	16QAM	50	50	20.67	20.75	20.61	20.67		
20	16QAM	100	0	20.69	20.81	20.67	20.67	19.5	5
20	256QAM	1	0	18.53	18.66	18.60	18.53		
20	256QAM	1	49	18.37	18.57	18.52	18.47	19.5	5
20	256QAM	1	99	18.49	18.51	18.46	18.42		
20	256QAM	50	0	18.71	18.82	18.68	18.71	19.5	5
20	256QAM	50	24	18.60	18.68	18.65	18.58		
20	256QAM	50	50	18.64	18.73	18.69	18.60	19.5	5
20	256QAM	100	0	18.74	18.80	18.68	18.71		
Channel				35515	35520	35510	35515	24.5	0
Frequency (MHz)				3557.5	3568	3562	3592.5		
15	QPSK	1	0	23.51	23.62	23.56	23.53	23.5	1
15	QPSK	1	37	23.48	23.59	23.55	23.39		
15	QPSK	1	74	23.45	23.50	23.47	23.42	23.5	1
15	QPSK	36	0	22.50	22.76	22.59	22.55		
15	QPSK	36	20	22.57	22.83	22.54	22.56	23.5	1
15	QPSK	36	39	22.57	22.58	22.59	22.53		
15	QPSK	75	0	22.59	22.62	22.61	22.47	23.5	1
15	16QAM	1	0	22.35	22.56	22.45	22.48		
15	16QAM	1	37	22.43	22.39	22.34	22.41	22.5	2
15	16QAM	1	74	22.33	22.46	22.33	22.35		
15	16QAM	36	0	21.53	21.64	21.51	21.57	22.5	2
15	16QAM	36	20	21.54	21.64	21.51	21.60		
15	16QAM	36	39	21.49	21.63	21.52	21.53	22.5	2
15	16QAM	75	0	21.60	21.75	21.64	21.56		
15	16QAM	1	0	21.27	21.38	21.39	21.32	22.5	2
15	16QAM	1	37	21.31	21.42	21.34	21.33		
15	16QAM	1	74	21.32	21.34	21.29	21.27	21.5	3
15	16QAM	36	0	20.64	20.72	20.65	20.58		
15	16QAM	36	20	20.54	20.62	20.51	20.40	19.5	5
15	16QAM	36	39	20.55	20.70	20.56	20.62		
15	16QAM	75	0	20.58	20.71	20.59	20.62	19.5	5
15	256QAM	1	0	18.45	18.59	18.48	18.42		
15	256QAM	1	37	18.32	18.45	18.40	18.35	19.5	5
15	256QAM	1	74	18.39	18.45	18.41	18.28		
15	256QAM	36	0	18.61	18.59	18.64	18.60	19.5	5
15	256QAM	36	20	18.49	18.59	18.57	18.53		
15	256QAM	36	39	18.55	18.62	18.55	18.57	19.5	5
15	256QAM	75	0	18.70	18.69	18.58	18.61		
Channel				55290	55815	56165	56690	24.5	0
Frequency (MHz)				35645	35815	35825	35645		
10	QPSK	1	0	23.48	23.62	23.56	23.61	23.5	1
10	QPSK	1	25	23.50	23.59	23.55	23.38		
10	QPSK	1	49	23.38	23.50	23.54	23.44	23.5	1
10	QPSK	25	0	22.49	22.74	22.52	22.45		
10	QPSK	25	12	22.59	22.66	22.53	22.55	23.5	1
10	QPSK	50	0	22.54	22.57	22.53	22.54		
10	QPSK	50	0	22.57	22.67	22.65	22.49	23.5	1
10	16QAM	1	0	22.33	22.47	22.44	22.45		
10	16QAM	1	25	22.35	22.35	22.34	22.36	23.5	1
10	16QAM	1	49	22.33	22.51	22.41	22.43		
10	16QAM	25	0	21.63	21.84	21.51	21.54	22.5	2
10	16QAM	25	12	21.56	21.60	21.49	21.61		
10	16QAM	25	25	21.49	21.60	21.53	21.51	22.5	2
10	16QAM	50	0	21.63	21.73	21.56	21.54		
10	16QAM	1	0	21.24	21.34	21.50	21.34	22.5	2
10	16QAM	1	25	21.28	21.38	21.32	21.29		
10	16QAM	1	49	21.26	21.30	21.26	21.25	21.5	3
10	16QAM	25	0	20.80	20.71	20.59	20.54		
10	16QAM	25	12	20.46	20.57	20.60	20.47	19.5	5
10	16QAM	25	25	20.63	20.68	20.56	20.52		
10	16QAM	50	0	20.59	20.71	20.56	20.52	19.5	5
10	256QAM	1	0	18.45	18.60	18.53	18.48		
10	256QAM	1	25	18.31	18.46	18.39	18.36	19.5	5
10	256QAM	1	49	18.37	18.47	18.35	18.38		
10	256QAM	25	0	18.61	18.71	18.60	18.62	19.5	5
10	256QAM	25	12	18.49	18.57	18.52	18.54		
10	256QAM	25	25	18.60	18.67	18.63	18.51	19.5	5
10	256QAM	50	0	18.61	18.72	18.57	18.56		
Channel				55285	55810	56170	56675	24.5	0
Frequency (MHz)				3552.5	3597	3643	3597.5		
5	QPSK	1	0	23.48	23.62	23.62	23.59	23.5	1
5	QPSK	1	12	23.43	23.61	23.51	23.46		
5	QPSK	1	24	23.42	23.54	23.53	23.40	23.5	1
5	QPSK	12	0	22.52	22.66	22.55	22.62		
5	QPSK	12	7	22.59	22.62	22.57	22.63	23.5	1
5	QPSK	12	13	22.60	22.57	22.57	22.50		
5	QPSK	25	0	22.62	22.66	22.61	22.50	23.5	1
5	16QAM	1	0	22.32	22.53	22.47	22.51		
5	16QAM	1	12	22.45	22.40	22.41	22.39	23.5	1
5	16QAM	1	24	22.34	22.51	22.31	22.43		
5	16QAM	12	0	21.55	21.70	21.57	21.47	22.5	2
5	16QAM	12	7	21.59	21.64	21.46	21.62		
5	16QAM	12	13	21.47	21.66	21.53	21.54	22.5	2
5	16QAM	25	0	21.63	21.68	21.66	21.55		
5	16QAM	1	0	21.18	21.33	21.48	21.32	22.5	2
5	16QAM	1	12	21.31	21.38	21.35	21.31		
5	16QAM	1	24	21.31	21.36	21.33	21.36	21.5	3
5	16QAM	12	0	20.69	20.84	20.59	20.55		
5	16QAM	12	7	20.55	20.55	20.54	20.46	19.5	5
5	16QAM	12	13	20.63	20.65	20.67	20.61		
5	16QAM	25	0	20.61	20.73	20.54	20.53	19.5	5
5	256QAM	1	0	18.48	18.62	18.45	18.50		
5	256QAM	1	12	18.23	18.46	18.45	18.38	19.5	5
5	256QAM	1	24	18.37	18.43	18.39	18.33		
5	256QAM	12	0	18.61	18.75	18.60	18.61	19.5	5
5	256QAM	12	7	18.45	18.58	18.58	18.49		
5	256QAM	12	13	18.54	18.60	18.62	18.49	19.5	5
5	256QAM	25	0	18.67	18.73	18.53	18.67		

Band 42 FCC Part 96 HPUE Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	

Band 2 Ant1_Other PA														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up Int. (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.47	23.67	23.84	25	0						
20	QPSK	1	40	23.47	23.68	23.74								
20	QPSK	1	80	23.53	23.81	23.66	24	1						
20	QPSK	50	0	22.67	23.08	22.97								
20	QPSK	24	0	22.72	22.87	22.91	24	1						
20	QPSK	50	50	22.79	23.02	22.93								
20	QPSK	100	0	22.84	23.06	23.01	24	1						
20	HQAM	1	0	22.84	22.78	22.86								
20	HQAM	1	40	22.44	22.67	22.56	24	1						
20	HQAM	1	80	22.33	22.61	22.48								
20	HQAM	1	120	21.73	22.02	21.97	23	2						
20	HQAM	50	24	21.69	21.86	21.72								
20	HQAM	50	50	21.59	21.89	21.83	23	2						
20	HQAM	100	0	21.97	22.05	22.10								
20	HQAM	1	0	21.71	21.96	21.86	23	2						
20	HQAM	1	40	21.67	21.90	21.77								
20	HQAM	1	80	21.67	21.86	21.85	22	3						
20	HQAM	50	0	20.78	21.04	21.06								
20	HQAM	50	24	20.86	21.01	20.96	20	5						
20	HQAM	100	0	20.64	20.91	20.84								
20	HQAM	100	0	20.66	21.06	21.02	20	5						
20	25QAM	1	40	18.26	18.55	18.47								
20	25QAM	1	80	18.30	18.55	18.45	20	5						
20	25QAM	50	24	18.75	18.82	18.86								
20	25QAM	50	24	18.62	18.80	18.67	20	5						
20	25QAM	100	50	18.55	18.84	18.73								
20	25QAM	100	0	18.75	18.92	18.87	20	5						
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.40	23.79	23.74	25	0						
15	QPSK	1	37	23.46	23.76	23.67								
15	QPSK	1	74	23.44	23.70	23.59	24	1						
15	QPSK	36	0	22.77	22.96	22.86								
15	QPSK	36	24	22.68	22.93	22.81	24	1						
15	QPSK	36	36	22.69	22.88	22.79								
15	QPSK	75	0	22.71	22.92	22.89	24	1						
15	QPSK	75	0	22.42	22.67	22.54								
15	HQAM	1	37	22.37	22.60	22.48	23	2						
15	HQAM	1	74	22.36	22.62	22.50								
15	HQAM	36	0	21.59	21.88	21.78	22	3						
15	HQAM	36	20	21.50	21.77	21.62								
15	HQAM	36	0	21.53	21.86	21.87	22	3						
15	HQAM	75	0	21.87	22.07	21.98								
15	HQAM	1	0	21.64	21.91	21.77	22	3						
15	HQAM	1	37	21.63	21.78	21.68								
15	HQAM	1	74	21.59	21.91	21.75	22	3						
15	HQAM	36	0	20.63	20.93	20.86								
15	HQAM	36	20	20.61	20.88	20.87	20	5						
15	HQAM	36	36	20.59	20.93	20.75								
15	HQAM	75	0	20.77	21.00	20.95	20	5						
15	25QAM	1	37	18.18	18.46	18.41								
15	25QAM	1	74	18.16	18.42	18.30	20	5						
15	25QAM	36	0	18.46	18.66	18.56								
15	25QAM	36	20	18.55	18.55	18.52	20	5						
15	25QAM	36	36	18.51	18.80	18.61								
15	25QAM	75	0	18.53	18.86	18.66	20	5						
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.47	23.67	23.84	25	0						
10	QPSK	1	25	23.48	23.81	23.63								
10	QPSK	1	40	23.45	23.68	23.55	24	1						
10	QPSK	25	0	22.76	22.97	22.86								
10	QPSK	25	12	22.61	22.90	22.83	24	1						
10	QPSK	25	25	22.76	22.92	22.80								
10	HQAM	1	0	22.48	22.67	22.62	24	1						
10	HQAM	1	25	22.34	22.56	22.50								
10	HQAM	40	0	22.37	22.60	22.49	23	2						
10	HQAM	25	0	21.59	21.92	21.87								
10	HQAM	25	12	21.51	21.81	21.58	22	3						
10	HQAM	25	12	21.47	21.80	21.68								
10	HQAM	50	0	21.86	22.05	21.98	23	2						
10	HQAM	1	0	21.64	21.89	21.78								
10	HQAM	25	0	21.60	21.82	21.68	22	3						
10	HQAM	1	40	21.54	21.82	21.78								
10	HQAM	25	0	20.74	21.00	20.93	20	5						
10	HQAM	12	0	20.75	21.00	20.78								
10	HQAM	25	0	20.61	20.79	20.78	20	5						
10	HQAM	50	0	20.78	21.01	20.92								
10	25QAM	1	25	18.32	18.52	18.36	20	5						
10	25QAM	1	25	18.14	18.46	18.35								
10	25QAM	1	40	18.18	18.51	18.33	20	5						
10	25QAM	1	40	18.01	18.50	18.37								
10	25QAM	25	12	18.54	18.73	18.57	20	5						
10	25QAM	25	25	18.42	18.77	18.64								
10	25QAM	50	0	18.62	18.90	18.67	20	5						
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.47	23.67	23.84	25	0						
5	QPSK	1	12	23.55	23.81	23.65								
5	QPSK	1	24	23.47	23.75	23.62	24	1						
5	QPSK	1	36	23.43	23.69	23.58								
5	QPSK	12	7	22.63	22.84	22.78	24	1						
5	QPSK	12	13	22.73	22.94	22.87								
5	QPSK	1	0	22.72	23.00	22.87	24	1						
5	HQAM	1	0	22.49	22.67	22.63								
5	HQAM	1	12	22.37	22.59	22.50	23	2						
5	HQAM	1	24	22.25	22.45	22.34								
5	HQAM	12	5	21.65	21.88	21.81	22	3						
5	HQAM	12	7	21.49	21.78	21.61								
5	HQAM	12	13	21.53	21.78	21.71	23	2						
5	HQAM	25	0	21.81	22.06	22.01								
5	HQAM	1	0	21.61	21.86	21.76	23	2						
5	HQAM	1	12	21.68	21.78	21.62								
5	HQAM	1	24	21.67	21.84	21.82	22	3						
5	HQAM	12	0	20.71	20.94	20.90								
5	HQAM	12	0	20.71	20.98	20.86	20	5						
5	HQAM	12	13	20.52	20.88	20.69								
5	HQAM	25	0	20.76	20.99	20.96	20	5						
5	25QAM	1	12	18.30	18.54	18.45								
5	25QAM	1	12	18.22	18.45	18.38	20	5						

Reduced Power Mode for Head

GSM50 Awt1	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
	128	189	251		128	189	251	
TX Channel								
Frequency (MHz)	824.2	836.4	848.6	(dBm)	824.2	836.4	848.6	(dBm)
GSM 1 Tx slot	31.52	31.63	31.55	32.50	22.52	22.63	22.55	23.50
GPRS 1 Tx slot	31.46	31.58	31.48	32.50	22.46	22.58	22.48	23.50
GPRS 2 Tx slots	29.31	29.45	29.42	30.50	23.31	23.45	23.42	24.50
GPRS 3 Tx slots	27.56	27.83	27.82	29.00	23.30	23.57	23.56	24.74
GPRS 4 Tx slots	26.16	26.39	26.21	27.50	23.18	23.39	23.21	24.50
EDGE 1 Tx slot	25.43	25.52	25.47	26.50	16.43	16.52	16.47	17.50
EDGE 2 Tx slots	23.37	23.46	23.42	24.50	17.37	17.48	17.42	18.50
EDGE 3 Tx slots	21.98	22.05	22.01	23.00	17.72	17.79	17.75	18.74
EDGE 4 Tx slots	20.63	20.65	20.54	21.50	17.63	17.65	17.54	18.50

GSM1800 Awt1	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
	512	661	810		512	661	810	
TX Channel								
Frequency (MHz)	1850.2	1860	1869.8	(dBm)	1850.20	1860.00	1869.80	(dBm)
GSM 1 Tx slot	23.15	23.41	23.22	24.50	14.15	14.41	14.22	15.50
GPRS 1 Tx slot	23.09	23.33	23.16	24.50	14.09	14.33	14.16	15.50
GPRS 2 Tx slots	22.80	23.12	22.83	24.50	16.80	17.12	16.83	18.50
GPRS 3 Tx slots	22.59	22.87	22.62	24.00	16.33	16.61	16.36	19.74
GPRS 4 Tx slots	22.28	22.58	22.39	23.50	19.28	19.58	19.39	20.50
EDGE 1 Tx slot	19.22	19.26	19.13	20.00	10.22	10.26	10.13	11.00
EDGE 2 Tx slots	18.78	18.91	18.82	20.00	12.78	12.91	12.82	14.00
EDGE 3 Tx slots	18.66	18.78	18.59	20.00	14.40	14.52	14.33	15.74
EDGE 4 Tx slots	18.32	18.46	18.28	19.50	15.32	15.46	15.28	16.50

Band		WCDMA 8 Awt1			Tune-up Limit	WCDMA 8 Awt1			Tune-up Limit	WCDMA 8 Awt1			Tune-up Limit
		9062	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel													
Frequency (MHz)		9062.00	9400.00	9538.00	(dBm)	1312.00	1413.00	1513.00	(dBm)	4132.00	4182.00	4233.00	(dBm)
Frequency (MHz)		1852.40	1860.00	1907.60		1712.40	1732.60	1752.60		836.40	836.40	848.60	
3GPP Rel 99	AMR 12.2Kbps	16.68	16.67	16.35	19.50	19.71	19.71	19.67	20.50	22.74	22.86	22.80	24.00
3GPP Rel 99	RM 12.2Kbps	18.75	18.78	18.57	19.50	19.76	19.79	19.72	20.50	22.88	22.98	22.86	24.00
3GPP Rel 6	HSDPA Subtest-1	17.78	17.78	17.61	18.50	18.81	18.85	18.82	19.50	21.80	22.04	21.93	23.00
3GPP Rel 6	HSDPA Subtest-2	17.53	17.67	17.60	18.50	18.66	18.66	18.71	19.50	21.90	22.01	21.93	23.00
3GPP Rel 6	HSDPA Subtest-3	17.10	17.35	16.96	18.00	18.16	18.31	18.13	19.00	21.43	21.36	21.36	22.50
3GPP Rel 6	HSDPA Subtest-4	17.14	17.20	17.13	16.00	18.17	18.36	18.18	19.00	21.42	21.56	21.40	22.50
3GPP Rel 6	HSPA Subtest-1	17.60	17.71	17.56	16.50	18.61	18.82	18.73	19.50	21.90	21.91	21.92	23.00
3GPP Rel 6	HSPA Subtest-2	15.66	15.84	15.48	16.50	16.65	16.79	16.69	17.50	19.91	20.04	19.95	21.00
3GPP Rel 6	HSPA Subtest-3	16.75	16.86	16.45	17.50	17.63	17.81	17.64	18.50	20.91	21.06	20.87	22.00
3GPP Rel 6	HSPA Subtest-4	15.82	15.78	15.47	16.50	16.67	16.89	16.64	17.50	19.87	20.02	19.90	21.00
3GPP Rel 6	HSPA Subtest-5	17.69	17.67	17.51	18.50	18.68	18.71	18.55	19.50	21.81	21.90	21.98	23.00

Band 2 Ant1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	APR3 (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	18.73	18.85	18.79			20	0			
20	QPSK	1	49	18.73	18.85	18.79							
20	QPSK	1	99	18.60	18.65	18.48			19	1			
20	QPSK	50	0	17.79	17.85	17.71							
20	QPSK	50	24	17.71	17.81	17.64			19	1			
20	QPSK	50	50	17.61	17.69	17.63							
20	QPSK	100	0	17.67	17.69	17.56			19	1			
20	QPSK	50	0	17.83	17.88	17.78							
20	16QAM	1	49	17.83	17.69	17.72			18	2			
20	16QAM	1	99	17.62	17.83	17.83							
20	16QAM	50	0	16.85	16.99	16.97			17	3			
20	16QAM	50	24	16.59	16.68	16.58							
20	16QAM	50	50	16.84	16.71	16.89			17	3			
20	16QAM	100	0	16.56	16.86	16.87							
20	64QAM	1	0	16.76	16.94	16.94			18	2			
20	64QAM	1	49	16.88	16.82	16.89							
20	64QAM	50	0	15.94	15.86	15.75			17	3			
20	64QAM	50	24	15.74	15.90	15.86							
20	64QAM	50	50	15.86	15.85	15.75			15	5			
20	256QAM	1	49	13.70	13.82	13.70							
20	256QAM	1	99	13.66	13.80	13.83			15	5			
20	256QAM	50	0	13.77	13.86	13.87							
20	256QAM	50	24	13.54	13.72	13.67			15	5			
20	256QAM	50	50	13.54	13.74	13.61							
20	256QAM	100	0	13.63	13.76	13.74							
Channel													
Frequency (MHz)													
16	QPSK	1	0	18.59	18.77	18.74			20	0			
16	QPSK	1	37	18.55	18.68	18.58							
16	QPSK	1	74	18.52	18.62	18.43			19	1			
16	QPSK	36	0	17.68	17.81	17.67							
16	QPSK	36	25	17.61	17.72	17.60			19	1			
16	QPSK	36	39	17.57	17.62	17.52							
16	QPSK	75	0	17.49	17.51	17.47			19	1			
16	16QAM	1	77	17.71	17.66	17.66							
16	16QAM	1	37	17.59	17.55	17.63			18	2			
16	16QAM	36	0	16.51	16.61	16.57							
16	16QAM	36	20	16.55	16.57	16.46			17	3			
16	16QAM	36	39	16.55	16.56	16.47							
16	16QAM	75	0	16.44	16.63	16.60			17	3			
16	64QAM	1	0	16.73	16.80	16.79							
16	64QAM	1	37	13.66	13.66	13.67			15	5			
16	64QAM	1	74	15.49	15.75	15.81							
16	64QAM	36	0	15.59	15.74	15.88			15	5			
16	64QAM	36	20	15.61	15.68	15.61							
16	64QAM	36	39	15.50	15.63	15.72			15	5			
16	64QAM	75	0	15.49	15.68	15.66							
16	256QAM	1	0	13.67	13.67	13.67			15	5			
16	256QAM	1	37	13.59	13.70	13.60							
16	256QAM	1	74	13.63	13.68	13.59			15	5			
16	256QAM	36	0	13.58	13.62	13.64							
16	256QAM	36	20	13.43	13.55	13.57			15	5			
16	256QAM	36	39	13.50	13.69	13.67							
16	256QAM	75	0	13.56	13.66	13.67							
Channel													
Frequency (MHz)													
16	QPSK	1	0	18.55	18.80	19.05			20	0			
16	QPSK	1	25	18.54	18.55	18.52							
16	QPSK	1	49	18.56	18.57	18.39			19	1			
16	QPSK	12	0	17.64	17.74	17.56							
16	QPSK	25	12	17.64	17.74	17.56			19	1			
16	QPSK	25	25	17.47	17.66	17.55							
16	QPSK	50	0	17.57	17.61	17.41			19	1			
16	16QAM	1	0	17.72	17.79	17.69							
16	16QAM	1	26	17.68	17.57	17.62			18	2			
16	16QAM	1	49	17.77	17.78	17.67							
16	16QAM	25	0	16.55	16.55	16.59			18	2			
16	16QAM	25	12	16.62	16.55	16.48							
16	16QAM	50	0	16.53	16.58	16.50			17	3			
16	16QAM	50	12	16.53	16.58	16.50							
16	16QAM	50	25	16.51	16.66	16.62			15	5			
16	256QAM	1	0	13.53	13.63	13.55							
16	256QAM	1	26	13.64	13.75	13.58			15	5			
16	256QAM	1	49	13.57	13.73	13.55							
16	256QAM	25	0	13.52	13.67	13.55			15	5			
16	256QAM	25	12	13.40	13.58	13.59							
16	256QAM	25	25	13.49	13.68	13.65			15	5			
16	256QAM	50	0	13.53	13.63	13.53							
Channel													
Frequency (MHz)													
5	QPSK	1	0	18.63	18.98	19.075			20	0			
5	QPSK	1	12	18.50	18.57	18.59							
5	QPSK	1	24	18.48	18.52	18.37			19	1			
5	QPSK	12	0	17.64	17.72	17.59							
5	QPSK	12	7	17.64	17.72	17.59			19	1			
5	QPSK	12	13	17.50	17.65	17.57							
5	QPSK	20	0	17.41	17.58	17.46			19	1			
5	16QAM	1	0	17.70	17.74	17.67							
5	16QAM	1	12	17.53	17.57	17.68			18	2			
5	16QAM	1	24	17.49	17.73	17.87							
5	16QAM	12	0	16.56	16.61	16.66			18	2			
5	16QAM	12	7	16.45	16.58	16.44							
5	16QAM	12	13	16.52	16.63	16.68			17	3			
5	16QAM	25	0	16.45	16.60	16.63							
5	64QAM	1	0	16.67	16.82	16.71			18	2			
5	64QAM	1	12	16.60	16.75	16.58							
5	64QAM	1	24	16.53	16.75	16.82			17	3			
5	64QAM	12	0	15.56	15.81	15.68							
5	64QAM	12	7	15.62	15.72	15.82			15	5			
5	64QAM	12	13	15.60	15.67	15.83							
5	64QAM	25	0	15.61	15.62	15.57			15	5			
5	256QAM	1	0	13.61	13.70	13.54							
5	256QAM	1	12	13.57	13.70	13.67			15	5			
5	256QAM	1	24	13.58	13.71	13.53							
5	256QAM	12	0	13.58	13.66	13.52			15	5			
5	256QAM	12	7	13.46	13.62	13.62							
5	256QAM	12	13	13.48	13.61	13.50			15	5			
5	256QAM	25	0	13.51	13.74	13.71							
Channel													
Frequency (MHz)													
3	QPSK	1	0	18.58	18.80	18.73			20	0			
3	QPSK	1	8	18.50	18.54	18.47							
3	QPSK	1	14	18.46	18.51	18.52			19	1			
3	QPSK	8	0	17.55	17.65	17.52							
3	QPSK	8	4	17.67	17.67	17.52			19	1			
3	QPSK	8	7	17.54	17.60	17.52							
3	QPSK	16	0	17.49	17.60	17.49			19	1			
3	16QAM	1	0	17.74	17.76	17.64							
3	16QAM	1	8	17.51	17.60	17.60			18	2			
3	16QAM	1	14	17.75	17.72	17.78							
3	16QAM	8	0	16.60	16.54	16.56			18	2			
3	16QAM	8	4	16.53	16.63	16.64							
3	16QAM	8	7	16.50	16.65	16.63			18	2			
3	16QAM	16	0	16.49	16.54	16.59							
3	16QAM	1	0	16.72	16.								



Band 30 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq	Power Mod Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	APR3 (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	16.71			20	0	
10	QPSK	1	25	16.81					
10	QPSK	1	49	16.88					
10	QPSK	25	0	17.60			19	1	
10	QPSK	25	12	17.59					
10	QPSK	25	25	17.69					
10	QPSK	50	0	17.64			19	1	
10	16QAM	1	0	17.80					
10	16QAM	1	25	17.69					
10	16QAM	1	49	17.87			18	2	
10	16QAM	25	0	16.78					
10	16QAM	25	12	16.57					
10	16QAM	25	25	16.94			17	3	
10	16QAM	50	0	16.74					
10	16QAM	1	0	16.59					
10	16QAM	1	25	16.98			18	2	
10	16QAM	1	49	16.72					
10	16QAM	25	0	15.72					
10	16QAM	25	12	15.72			17	3	
10	16QAM	25	25	15.82					
10	16QAM	50	0	15.80					
10	256QAM	1	0	13.79			15	5	
10	256QAM	1	25	13.82					
10	256QAM	1	49	13.89					
10	256QAM	25	0	13.73			15	5	
10	256QAM	25	12	13.89					
10	256QAM	25	25	13.66					
10	256QAM	50	0	13.59					
Channel									
Frequency (MHz)									
5	QPSK	1	0	2307.5	2310	2312.5	20	0	
5	QPSK	1	24	18.83	18.83	18.84			
5	QPSK	1	12	18.55	18.57	18.49			
5	QPSK	1	24	18.58	18.54	18.59	19	1	
5	QPSK	12	0	17.70	17.71	17.76			
5	QPSK	12	7	17.48	17.54	17.48			
5	QPSK	12	13	17.59	17.60	17.63	19	1	
5	QPSK	25	0	17.59	17.54	17.64			
5	16QAM	1	0	17.76	17.77	17.76			
5	16QAM	1	12	17.61	17.55	17.64	18	2	
5	16QAM	1	24	17.76	17.78	17.79			
5	16QAM	12	0	16.87	16.71	16.75			
5	16QAM	12	7	16.45	16.45	16.52	17	3	
5	16QAM	12	13	16.45	16.44	16.48			
5	16QAM	25	0	16.68	16.69	16.60			
5	16QAM	1	0	16.87	16.87	16.87	18	2	
5	16QAM	1	12	16.56	16.61	16.53			
5	16QAM	1	24	16.52	16.57	16.55			
5	16QAM	12	0	15.63	15.59	15.67	17	3	
5	16QAM	12	7	15.62	15.58	15.60			
5	16QAM	12	13	15.57	15.45	15.50			
5	16QAM	25	0	15.67	15.73	15.66	15	5	
5	256QAM	1	0	13.64	13.62	13.65			
5	256QAM	1	12	13.68	13.65	13.77			
5	256QAM	1	24	13.62	13.64	13.65	15	5	
5	256QAM	12	0	13.60	13.64	13.69			
5	256QAM	12	7	13.63	13.62	13.61			
5	256QAM	12	13	13.52	13.56	13.58	15	5	
5	256QAM	25	0	13.51	13.48	13.43			

Band 66 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq	Power Mod Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	APR3 (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.52	19.40	19.37	20.5	0	
20	QPSK	1	49	19.33	19.20	19.21			
20	QPSK	1	99	19.06	19.20	19.09			
20	QPSK	50	0	18.20	18.33	18.23	19.5	1	
20	QPSK	50	24	18.12	18.21	18.18			
20	QPSK	50	50	18.19	18.14	18.16			
20	QPSK	100	0	18.21	18.24	18.01	19.5	1	
20	16QAM	1	0	18.18	18.30	18.30			
20	16QAM	1	49	18.28	18.30	18.22			
20	16QAM	1	99	18.15	18.11	18.12	18.5	2	
20	16QAM	50	0	17.20	17.44	17.39			
20	16QAM	50	24	17.23	17.35	17.25			
20	16QAM	50	50	17.22	17.30	17.21	18.5	2	
20	16QAM	100	0	17.27	17.34	17.40			
20	16QAM	1	0	17.39	17.53	17.50			
20	16QAM	1	49	17.34	17.40	17.35	18.5	2	
20	16QAM	1	99	17.52	17.57	17.51			
20	16QAM	50	0	16.18	16.36	16.25			
20	16QAM	50	24	16.32	16.37	16.22	17.5	3	
20	16QAM	50	50	16.27	16.30	16.55			
20	16QAM	100	0	16.30	16.33	16.21			
20	256QAM	1	0	14.24	14.36	14.30	15.5	5	
20	256QAM	1	49	14.20	14.34	14.20			
20	256QAM	1	99	14.29	14.28	14.23			
20	256QAM	25	0	14.24	14.42	14.40	15.5	5	
20	256QAM	25	24	14.16	14.31	14.28			
20	256QAM	50	50	14.14	14.34	14.27			
20	256QAM	100	0	14.23	14.42	14.41			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.21	19.36	19.23	20.5	0	
15	QPSK	1	37	19.13	19.16	19.11			
15	QPSK	1	74	19.00	19.08	19.04			
15	QPSK	36	0	18.06	18.20	18.13	19.5	1	
15	QPSK	36	20	17.69	18.16	18.14			
15	QPSK	36	36	18.12	18.06	18.11			
15	QPSK	75	0	18.13	18.13	17.98	19.5	1	
15	16QAM	1	0	18.10	18.24	18.22			
15	16QAM	1	37	18.20	18.18	18.18			
15	16QAM	1	74	18.02	18.02	18.06	18.5	2	
15	16QAM	36	0	17.24	17.30	17.24			
15	16QAM	36	20	17.19	17.24	17.12			
15	16QAM	36	36	17.13	17.25	17.20	18.5	2	
15	16QAM	75	0	17.13	17.25	17.30			
15	16QAM	1	0	17.32	17.44	17.28			
15	16QAM	1	37	17.21	17.33	17.25	17.5	3	
15	16QAM	1	74	17.20	17.32	17.21			
15	16QAM	36	0	16.13	16.15	16.15			
15	16QAM	36	20	16.25	16.30	16.25	17.5	3	
15	16QAM	36	36	16.09	16.23	16.07			
15	16QAM	75	0	16.21	16.21	16.12			
15	256QAM	1	0	14.20	14.33	14.22	15.5	5	
15	256QAM	1	37	14.08	14.31	14.06			
15	256QAM	1	74	14.16	14.20	14.11			
15	256QAM	25	0	14.20	14.20	14.26	15.5	5	
15	256QAM	25	20	14.07	14.24	14.17			
15	256QAM	36	36	14.10	14.20	14.22			
15	256QAM	75	0	14.20	14.35	14.28			
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.19	19.29	19.21	20.5	0	
10	QPSK	1	25	19.13	19.12	19.18			
10	QPSK	1	49	19.03	19.16	19.03			
10	QPSK	25	0	18.06	18.16	18.14	19.5	1	
10	QPSK	25	12	18.06	18.15	18.07			
10	QPSK	25	25	18.13	18.07	18.08			
10	QPSK	50	0	18.11	18.14	17.98	19.5	1	
10	16QAM	1	0	18.09	18.19	18.20			
10	16QAM	1	25	18.18	18.20	18.10			
10	16QAM	1	49	18.05	18.00	18.05	18.5	2	
10	16QAM	25	0	17.19	17.40	17.23			
10	16QAM	25	12	17.14	17.25	17.10			
10	16QAM	25	25	17.13	17.21	17.10	18.5	2	
10	16QAM	50	0	17.16	17.26	17.38			
10	16QAM	1	0	17.36	17.38				

Band 7 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2110	2135	2160			
20	QPSK	1	0	21.45	21.56	21.39	22.5	0	
20	QPSK	1	49	21.33	21.39	21.37			
20	QPSK	1	99	21.34	21.45	21.35			
20	QPSK	50	0	21.36	21.50	21.44	22.5	0	
20	QPSK	50	24	21.44	21.49	21.46			
20	QPSK	50	50	21.23	21.39	21.24			
20	QPSK	100	0	21.40	21.49	21.40	22	0.5	
20	16QAM	1	0	21.37	21.52	21.35			
20	16QAM	1	49	21.39	21.43	21.32			
20	16QAM	1	99	21.45	21.53	21.44	22.5	0	
20	16QAM	50	0	20.92	21.11	21.01			
20	16QAM	50	24	21.01	21.22	21.02			
20	16QAM	50	50	20.91	21.13	21.06	22	0.5	
20	16QAM	100	0	20.87	21.08	21.02			
20	64QAM	1	0	20.80	20.90	20.88			
20	64QAM	1	49	20.61	20.86	20.70	22	0.5	
20	64QAM	1	99	20.60	20.86	20.71			
20	64QAM	50	0	19.81	20.10	19.99			
20	64QAM	50	24	19.84	20.06	19.92	21	1.5	
20	64QAM	50	50	19.84	20.07	19.91			
20	64QAM	100	0	19.85	20.09	20.03			
20	256QAM	1	0	17.80	17.95	17.89	19	3.5	
20	256QAM	1	49	17.71	17.86	17.73			
20	256QAM	1	99	17.66	17.84	17.71			
20	256QAM	50	0	17.80	18.03	17.93	19	3.5	
20	256QAM	50	24	17.72	17.94	17.81			
20	256QAM	50	50	17.80	17.98	17.83			
20	256QAM	100	0	17.89	18.15	18.08	20	3.5	
Channel				20825	21100	21375			
Frequency (MHz)				20975.5	21250	21525.5			
15	QPSK	1	0	21.35	21.47	21.27	22.5	0	
15	QPSK	1	37	21.27	21.29	21.32			
15	QPSK	1	74	21.24	21.33	21.30			
15	QPSK	36	0	21.28	21.43	21.32	22.5	0	
15	QPSK	36	20	21.37	21.37	21.36			
15	QPSK	36	39	21.14	21.24	21.20			
15	QPSK	75	0	21.28	21.44	21.36	22.5	0	
15	16QAM	1	0	21.31	21.40	21.28			
15	16QAM	1	37	21.31	21.30	21.20			
15	16QAM	1	74	21.34	21.43	21.39	22	0.5	
15	16QAM	36	0	20.83	20.97	20.89			
15	16QAM	36	20	20.88	21.13	20.95			
15	16QAM	36	39	20.88	21.01	20.93	21	1.5	
15	16QAM	75	0	20.75	20.97	20.98			
15	64QAM	1	0	20.77	20.84	20.84			
15	64QAM	1	37	20.54	20.75	20.64	22	0.5	
15	64QAM	1	74	20.48	20.73	20.67			
15	64QAM	36	0	19.75	20.04	19.94			
15	64QAM	36	20	19.75	19.95	19.88	21	1.5	
15	64QAM	36	39	19.77	19.92	19.79			
15	64QAM	75	0	19.78	20.03	19.92			
15	256QAM	1	0	17.76	17.91	17.86	19	3.5	
15	256QAM	1	37	17.64	17.80	17.69			
15	256QAM	1	74	17.55	17.77	17.56			
15	256QAM	36	0	17.71	17.89	17.83	19	3.5	
15	256QAM	36	20	17.65	17.82	17.70			
15	256QAM	36	39	17.66	17.84	17.70			
15	256QAM	75	0	17.76	18.03	18.00	20	3.5	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.40	21.52	21.35	22.5	0	
10	QPSK	1	25	21.22	21.29	21.28			
10	QPSK	1	49	21.28	21.35	21.26			
10	QPSK	25	0	21.32	21.39	21.33	22.5	0	
10	QPSK	25	12	21.32	21.36	21.36			
10	QPSK	25	25	21.17	21.32	21.21			
10	QPSK	50	0	21.25	21.42	21.30	22.5	0	
10	16QAM	1	0	21.28	21.40	21.22			
10	16QAM	1	25	21.28	21.36	21.16			
10	16QAM	1	49	21.34	21.44	21.34	22	0.5	
10	16QAM	25	0	20.79	21.00	20.97			
10	16QAM	25	12	20.93	21.19	20.90			
10	16QAM	25	25	20.87	21.04	21.02	21	1.5	
10	16QAM	50	0	20.73	21.03	20.98			
10	64QAM	1	0	20.67	20.76	20.75			
10	64QAM	1	25	20.50	20.76	20.58	22	0.5	
10	64QAM	1	49	20.54	20.82	20.81			
10	64QAM	25	0	19.76	20.03	19.87			
10	64QAM	25	12	19.75	20.03	19.87	21	1.5	
10	64QAM	25	25	19.75	19.93	19.83			
10	64QAM	50	0	19.81	20.06	19.98			
10	256QAM	1	0	17.69	17.80	17.74	19	3.5	
10	256QAM	1	25	17.68	17.81	17.63			
10	256QAM	1	49	17.55	17.73	17.66			
10	256QAM	25	0	17.66	17.90	17.85	19	3.5	
10	256QAM	25	12	17.66	17.80	17.72			
10	256QAM	25	25	17.70	17.87	17.71			
10	256QAM	50	0	17.77	18.05	17.95	20	3.5	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.31	21.48	21.26	22.5	0	
5	QPSK	1	12	21.21	21.30	21.30			
5	QPSK	1	24	21.23	21.30	21.29			
5	QPSK	12	0	21.27	21.46	21.39	22.5	0	
5	QPSK	12	7	21.35	21.40	21.32			
5	QPSK	12	13	21.15	21.33	21.14			
5	QPSK	25	0	21.36	21.42	21.25	22.5	0	
5	16QAM	1	0	21.22	21.38	21.27			
5	16QAM	1	12	21.33	21.33	21.24			
5	16QAM	1	24	21.33	21.49	21.39	22	0.5	
5	16QAM	12	0	20.86	20.96	20.89			
5	16QAM	12	7	20.90	21.12	20.95			
5	16QAM	12	13	20.85	20.98	20.94	22	0.5	
5	16QAM	25	0	20.80	20.98	20.98			
5	64QAM	1	0	20.67	20.78	20.61			
5	64QAM	1	12	20.47	20.74	20.60	22	0.5	
5	64QAM	1	24	20.45	20.81	20.62			
5	64QAM	12	0	19.67	19.99	19.83			
5	64QAM	12	7	19.71	19.94	19.83	21	1.5	
5	64QAM	12	13	19.69	20.03	19.84			
5	64QAM	25	0	19.76	20.04	19.94			
5	256QAM	1	0	17.72	17.81	17.78	19	3.5	
5	256QAM	1	12	17.65	17.82	17.62			
5	256QAM	1	24	17.62	17.73	17.58			
5	256QAM	12	0	17.65	17.93	17.81	19	3.5	
5	256QAM	12	7	17.61	17.83	17.66			
5	256QAM	12	13	17.71	17.93	17.77			
5	256QAM	25	0	17.81	18.01	18.05	20	3.5	

Band 7 Ant6											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20850	21100	21350					
Frequency (MHz)				2010	2035	2060					
20	QPSK	1	0	21.24	21.36	21.27	22.5	0			
20	QPSK	1	49	21.14	21.20	21.10					
20	QPSK	1	99	21.30	21.33	21.28					
20	QPSK	50	0	21.27	21.32	21.18	22.5	0			
20	QPSK	50	24	21.13	21.23	21.13					
20	QPSK	50	50	21.15	21.19	21.09					
20	QPSK	100	0	21.10	21.22	21.16	22.5	0			
20	16QAM	1	0	21.27	21.34	21.23					
20	16QAM	1	49	21.19	21.22	21.12					
20	16QAM	1	99	21.19	21.27	21.24	22	0.5			
20	16QAM	50	0	20.81	20.89	20.78					
20	16QAM	50	24	20.66	20.78	20.83					
20	16QAM	50	50	20.70	20.76	20.66	21	1.5			
20	16QAM	100	0	20.81	20.88	20.72					
20	64QAM	1	0	20.78	20.93	20.81	22	0.5			
20	64QAM	1	49	20.75	20.79	20.72					
20	64QAM	1	99	20.86	20.93	20.83					
20	64QAM	50	0	19.78	19.97	19.87	21	1.5			
20	64QAM	50	24	19.80	19.88	19.84					
20	64QAM	50	50	19.74	19.91	19.82					
20	64QAM	100	0	19.81	19.84	19.80	19	3.5			
20	256QAM	1	0	17.52	17.70	17.62					
20	256QAM	1	49	17.55	17.64	17.57					
20	256QAM	1	99	17.50	17.56	17.42	19	3.5			
20	256QAM	50	0	17.85	17.90	17.79					
20	256QAM	50	24	17.81	17.89	17.77					
20	256QAM	50	50	17.73	17.85	17.80	20	256QAM	100		
20	256QAM	100	0	17.77	17.92	17.84					
Channel				20925	21100	21375					
Frequency (MHz)				2097.5	2136	2174.5					
15	QPSK	1	0	21.21	21.32	21.17	22.5	0			
15	QPSK	1	37	21.06	21.10	21.05					
15	QPSK	1	74	21.25	21.22	21.17					
15	QPSK	36	0	21.22	21.21	21.11	22.5	0			
15	QPSK	36	20	21.03	21.11	21.03					
15	QPSK	36	39	21.05	21.13	21.01					
15	QPSK	75	0	21.06	21.10	21.06	22.5	0			
15	16QAM	1	0	21.13	21.24	21.14					
15	16QAM	1	37	21.07	21.08	21.05					
15	16QAM	1	74	21.04	21.16	21.14	22	0.5			
15	16QAM	36	0	20.72	20.82	20.64					
15	16QAM	36	20	20.57	20.67	20.54					
15	16QAM	36	39	20.60	20.70	20.60	22	0.5			
15	16QAM	75	0	20.69	20.84	20.65					
15	64QAM	1	0	20.84	20.83	20.72					
15	64QAM	1	37	20.63	20.67	20.66	22	0.5			
15	64QAM	1	74	20.82	20.85	20.76					
15	64QAM	36	0	19.68	19.85	19.78					
15	64QAM	36	20	19.69	19.78	19.70	21	1.5			
15	64QAM	36	39	19.61	19.78	19.75					
15	64QAM	75	0	19.74	19.74	19.76					
15	256QAM	1	0	17.47	17.57	17.54	22	0.5			
15	256QAM	1	37	17.46	17.54	17.48					
15	256QAM	1	74	17.41	17.43	17.38					
15	256QAM	36	0	17.76	17.83	17.68	19	3.5			
15	256QAM	36	20	17.66	17.86	17.68					
15	256QAM	36	39	17.69	17.82	17.67					
15	256QAM	75	0	17.64	17.88	17.72	20	256QAM	100		
Channel				20800	21100	21400					
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	21.13	21.25	21.14	22.5			0	
10	QPSK	1	25	21.08	21.16	20.97					
10	QPSK	1	49	21.26	21.19	21.14					
10	QPSK	25	0	21.18	21.19	21.14	22.5	0			
10	QPSK	25	12	21.04	21.18	21.07					
10	QPSK	25	25	21.02	21.11	20.97					
10	QPSK	50	0	20.95	21.15	21.09	22.5	0			
10	16QAM	1	0	21.18	21.30	21.13					
10	16QAM	1	25	21.11	21.13	21.03					
10	16QAM	1	49	21.05	21.19	21.09	22	0.5			
10	16QAM	25	0	20.66	20.77	20.69					
10	16QAM	25	12	20.53	20.64	20.50					
10	16QAM	25	25	20.55	20.71	20.61	22	0.5			
10	16QAM	50	0	20.71	20.77	20.58					
10	64QAM	1	0	20.66	20.84	20.77					
10	64QAM	1	25	20.66	20.75	20.59	22	0.5			
10	64QAM	1	49	20.79	20.81	20.76					
10	64QAM	25	0	19.66	19.88	19.75					
10	64QAM	25	12	19.75	19.76	19.71	21	1.5			
10	64QAM	25	25	19.61	19.77	19.70					
10	64QAM	50	0	19.71	19.73	19.71					
10	256QAM	1	0	17.39	17.63	17.54	19	3.5			
10	256QAM	1	25	17.46	17.59	17.47					
10	256QAM	1	49	17.37	17.53	17.36					
10	256QAM	25	0	17.73	17.83	17.76	19	3.5			
10	256QAM	25	12	17.76	17.74	17.64					
10	256QAM	25	25	17.64	17.70	17.70					
10	256QAM	50	0	17.71	17.82	17.75	20	256QAM	100		
Channel				20775	21100	21425					
Frequency (MHz)				2092.5	2135	2173.5					
5	QPSK	1	0	21.18	21.30	21.20	22.5			0	
5	QPSK	1	12	21.05	21.16	21.06					
5	QPSK	1	24	21.27	21.30	21.18					
5	QPSK	12	0	21.15	21.20	21.11	22.5	0			
5	QPSK	12	7	21.03	21.11	21.06					
5	QPSK	12	13	21.05	21.14	21.05					
5	QPSK	25	0	20.97	21.10	21.03	22.5	0			
5	16QAM	1	0	21.19	21.19	21.18					
5	16QAM	1	12	21.10	21.13	21.06					
5	16QAM	1	24	21.04	21.18	21.10	22	0.5			
5	16QAM	12	0	20.72	20.85	20.64					
5	16QAM	12	7	20.62	20.74	20.51					
5	16QAM	12	13	20.56	20.73	20.52	22	0.5			
5	16QAM	25	0	20.75	20.74	20.68					
5	64QAM	1	0	20.67	20.67	20.67					
5	64QAM	1	12	20.71	20.71	20.63	22	0.5			
5	64QAM	1	24	20.73	20.87	20.70					
5	64QAM	12	0	19.72	19.89	19.80					
5	64QAM	12	7	19.69	19.84	19.80	21	1.5			
5	64QAM	12	13	19.69	19.86	19.72					
5	64QAM	25	0	19.72	19.71	19.65					
5	256QAM	1	0	17.39	17.64	17.54	19	3.5			
5	256QAM	1	12	17.41	17.58	17.43					
5	256QAM	1	24	17.43	17.42	17.30					
5	256QAM	12	0	17.78	17.77	17.68	19	3.5			
5	256QAM	12	7	17.73	17.85	17.67					
5	256QAM	12	13	17.67	17.71	17.68					
5	256QAM	25	0	17.71	17.87	17.80	20	256QAM	100		



Band 2 Ant1_Other PA												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Mid Ch / Freq	Power Hw Ch / Freq	Tune-up freq (dB)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.19	17.20	17.22						
20	QPSK	1	49	17.21	17.24	17.26	18.5	0				
20	QPSK	1	99	17.14	17.19	17.14						
20	QPSK	50	0	17.26	17.29	17.23						
20	QPSK	24	0	17.17	17.24	17.13						
20	QPSK	50	50	17.09	17.23	17.17	18.5	0				
20	QPSK	100	0	17.07	17.20	17.15						
20	HQAM	1	0	17.25	17.29	17.19						
20	HQAM	1	49	17.18	17.29	17.19	18.5	0				
20	HQAM	1	99	17.19	17.24	17.13						
20	HQAM	1	99	17.24	17.29	17.17						
20	HQAM	50	24	17.12	17.20	17.05	18.5	0				
20	HQAM	50	50	17.19	17.26	17.14						
20	HQAM	100	0	17.01	17.15	17.10						
20	HQAM	1	0	17.18	17.24	17.12						
20	HQAM	1	49	17.20	17.28	17.17	18.5	0				
20	HQAM	1	99	17.07	17.22	17.15						
20	HQAM	50	0	17.10	17.21	17.09						
20	HQAM	50	24	17.21	17.30	17.23	18.5	0				
20	HQAM	50	50	17.21	17.29	17.14						
20	HQAM	100	0	17.14	17.25	17.12						
20	256QAM	1	0	17.19	17.25	17.11						
20	256QAM	1	49	17.08	17.18	17.13	18.5	0				
20	256QAM	1	99	17.12	17.18	17.14						
20	256QAM	50	25	17.20	17.25	17.08	18.5	0				
20	256QAM	50	50	17.04	17.18	17.08						
20	256QAM	100	50	17.15	17.26	17.12	18.5	0				
20	256QAM	100	0	17.15	17.26	17.12						
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.02	17.27	17.12						
15	QPSK	1	37	17.19	17.17	17.19	18.5	0				
15	QPSK	1	74	17.02	17.16	17.06						
15	QPSK	36	0	17.22	17.17	17.13						
15	QPSK	36	0	17.10	17.17	17.11	18.5	0				
15	QPSK	36	36	17.03	17.19	17.10						
15	QPSK	75	0	17.12	17.17	17.03						
15	HQAM	1	0	17.12	17.22	17.08						
15	HQAM	1	37	17.09	17.25	17.12	18.5	0				
15	HQAM	1	74	17.09	17.25	17.12						
15	HQAM	36	0	17.19	17.26	17.16						
15	HQAM	36	20	16.99	17.06	16.99	18.5	0				
15	HQAM	75	0	16.87	17.08	17.02						
15	HQAM	1	0	17.13	17.18	17.06	18.5	0				
15	HQAM	37	0	17.12	17.14	17.02						
15	HQAM	1	74	16.95	17.13	17.04						
15	HQAM	36	0	16.98	17.12	17.05	18.5	0				
15	HQAM	36	20	16.92	17.06	16.95						
15	HQAM	36	36	17.05	17.20	17.02						
15	HQAM	75	0	17.10	17.12	17.03						
15	256QAM	1	0	16.98	17.05	16.95	18.5	0				
15	256QAM	1	37	16.95	17.11	17.05						
15	256QAM	1	74	17.03	17.08	17.02						
15	256QAM	36	0	17.15	17.08	17.03	18.5	0				
15	256QAM	36	20	16.90	17.09	17.01						
15	256QAM	36	39	17.11	17.23	17.07	18.5	0				
15	256QAM	75	0	16.94	17.14	17.01						
Channel												
Frequency (MHz)												
10	QPSK	1	0	17.17	17.23	17.20						
10	QPSK	1	25	17.17	17.25	17.08	18.5	0				
10	QPSK	1	49	17.10	17.05	17.02						
10	QPSK	25	0	17.07	17.13	17.03						
10	QPSK	25	12	17.04	17.15	17.10	18.5	0				
10	QPSK	25	25	17.03	17.12	17.08						
10	HQAM	1	0	17.18	17.21	17.12						
10	HQAM	1	25	17.08	17.18	17.11	18.5	0				
10	HQAM	25	0	17.13	17.23	17.15						
10	HQAM	25	0	17.10	17.16	17.12						
10	HQAM	25	12	16.98	17.07	16.99	18.5	0				
10	HQAM	50	0	17.10	17.08	17.01						
10	HQAM	50	0	16.87	17.07	16.95						
10	HQAM	1	0	17.08	17.16	17.06	18.5	0				
10	HQAM	1	25	17.12	17.16	17.07						
10	HQAM	1	49	16.97	17.15	17.07						
10	HQAM	25	0	17.05	17.12	16.99						
10	HQAM	25	12	17.12	17.23	17.15	18.5	0				
10	HQAM	25	25	17.09	17.23	17.10						
10	HQAM	50	0	17.10	17.12	17.05						
10	256QAM	1	0	17.11	17.11	17.01	18.5	0				
10	256QAM	1	25	16.99	17.12	17.00						
10	256QAM	1	49	17.06	17.10	17.10						
10	256QAM	25	0	17.05	17.14	17.01	18.5	0				
10	256QAM	25	12	16.99	17.10	17.04						
10	256QAM	25	25	17.00	17.22	17.02	18.5	0				
10	256QAM	50	0	17.05	17.17	17.02						
Channel												
Frequency (MHz)												
5	QPSK	1	0	17.11	17.23	17.15						
5	QPSK	1	12	17.12	17.15	17.11	18.5	0				
5	QPSK	1	24	17.05	17.09	17.09						
5	QPSK	13	0	17.03	17.16	17.03						
5	QPSK	12	7	17.09	17.11	17.13	18.5	0				
5	QPSK	12	13	17.00	17.09	17.04						
5	QPSK	13	16	16.95	17.13	17.05						
5	HQAM	1	0	17.18	17.25	17.13						
5	HQAM	1	12	17.08	17.15	17.11	18.5	0				
5	HQAM	1	24	17.05	17.17	17.07						
5	HQAM	12	5	17.12	17.23	17.06						
5	HQAM	12	7	17.08	17.07	16.99	18.5	0				
5	HQAM	12	13	17.07	17.20	17.01						
5	HQAM	25	0	16.88	17.06	16.99						
5	HQAM	1	0	17.09	17.18	17.05	18.5	0				
5	HQAM	12	0	17.12	17.23	17.04						
5	HQAM	1	24	16.99	17.10	17.12						
5	HQAM	12	0	17.07	17.11	17.05	18.5	0				
5	HQAM	12	7	17.13	17.16	17.09						
5	HQAM	12	13	17.07	17.24	17.05						
5	256QAM	1	0	17.08	17.19	17.04						
5	256QAM	1	7	17.08	17.11	16.99	18.5	0				
5	256QAM	1	12	17.01	17.06	17.04						
5	256QAM	1	24	17.04	17.12	17.03	18.5	0				
5	256QAM	12	0	17.08	17.18	17.01						
5	256QAM	12	7	16.96	17.03	17.04	18.5	0				
5	256QAM	12	13	17.01	17.12	16.99						
5	256QAM	12	13	17.09	17.07	17.01	18.5	0				
Channel												
Frequency (MHz)												
3	QPSK	1	0	17.14	17.18	17.15						
3	QPSK	1	6	17.17	17.15	17.06	18.5	0				
3	QPSK	1	14	17.05	17.04	17.01						
3	QPSK	8	0	17.15	17.22	17.15						
3	QPSK	8	4	17.12	17.11	17.07	18.5	0				
3	QPSK	8	7	16.99	17.06	17.13						
3	HQAM	1	0	16.95	17.14	17.09						
3	HQAM	1	0	17.16	17.19	17.02	18.5	0				
3	HQAM	1	6	17.08	17.15	17.13						
3	HQAM	14	0	17.15	17.15	17.06						
3	HQAM	8	0	17.11	17.26	17.16	18.5	0				
3	HQAM	8	4	16.98	17.08	16.99						
3	HQAM	8	7	17.13	17.13	17.05						
3	HQAM	16	0	16.94	17.05	16.99	18.5	0				
3	HQAM	1	0	17.07	17.15	17.01						
3	HQAM	8	4	17.07	17.17	17.04						
3	HQAM	8	7	17.08	17.17	17.02	18.5	0				
3	256QAM	1	0	17.15	17.17	16.97						
3	256QAM	1	6	16.94	17.11	17.01	18.5	0				
3	256QAM	8	0	17.03	17.05	16.99						
3	256QAM	8	4	16.92	17.07	16.97	18.5	0				
3	256QAM	8	7	17.04	17.12	16.97						
3	256QAM	16	0	17.05	17.17	17.02	18.5	0				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	17.10	17.24	17.19						
1.4	QPSK	1	3	17.08	17.19	17.06	18.5	0				
1.4	QPSK	1	6	17.06	17.08	17.10						

Reduced Power Mode for Head_ENDC&ULCA

Band 7 Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPRR (dB)
				Channel	20850	21100	21350		
				Frequency (MHz)	2510	2535	2560		
20	QPSK	1	0	18.54	18.73	18.92			
20	QPSK	1	49	18.29	18.40	18.30	19.5	0	
20	QPSK	1	99	18.37	18.65	18.39			
20	QPSK	50	0	18.50	18.70	18.67			
20	QPSK	50	24	18.21	18.40	18.28	19.5	0	
20	QPSK	50	50	18.43	18.45	18.46			
20	QPSK	100	0	18.51	18.65	18.62			
20	16QAM	1	0	18.35	18.47	18.25			
20	16QAM	1	49	18.35	18.65	18.37	19.5	0	
20	16QAM	1	99	18.33	18.61	18.64			
20	16QAM	50	0	18.43	18.71	18.72			
20	16QAM	50	24	18.31	18.45	18.43	19.5	0	
20	16QAM	50	50	18.34	18.60	18.54			
20	16QAM	100	0	18.22	18.54	18.32			
20	64QAM	1	0	18.38	18.55	18.49			
20	64QAM	1	49	18.41	18.55	18.64	19.5	0	
20	64QAM	1	99	18.15	18.38	18.26			
20	64QAM	50	0	18.48	18.55	18.58			
20	64QAM	50	24	18.35	18.65	18.59	19.5	0	
20	64QAM	50	50	18.36	18.35	18.46			
20	64QAM	100	0	18.35	18.43	18.52			
20	256QAM	1	0	17.80	17.98	17.89			
20	256QAM	1	49	17.72	17.86	17.75	19	0.5	
20	256QAM	1	99	17.61	17.86	17.74			
20	256QAM	50	0	17.81	18.07	17.98			
20	256QAM	50	24	17.70	17.94	17.80	19	0.5	
20	256QAM	50	50	17.83	18.01	17.87			
20	256QAM	100	0	17.90	18.16	18.13			
				Channel	20825	21100	21375		
				Frequency (MHz)	2507.5	2535	2562.5		
15	QPSK	1	0	18.40	18.69	18.33	19.5	0	
15	QPSK	1	37	18.28	18.26	18.35			
15	QPSK	1	74	18.32	18.50	18.36			
15	QPSK	36	0	18.56	18.72	18.28			
15	QPSK	36	20	18.25	18.32	18.26	19.5	0	
15	QPSK	36	39	18.41	18.49	18.49			
15	QPSK	75	0	18.49	18.65	18.67			
15	16QAM	1	0	18.39	18.39	18.34	19.5	0	
15	16QAM	1	37	18.38	18.63	18.25			
15	16QAM	1	74	18.30	18.64	18.71			
15	16QAM	36	0	18.37	18.72	18.63			
15	16QAM	36	20	18.34	18.46	18.52	19.5	0	
15	16QAM	36	39	18.29	18.54	18.45			
15	16QAM	75	0	18.24	18.47	18.31			
15	64QAM	1	0	18.52	18.66	18.56	19.5	0	
15	64QAM	1	37	18.58	18.61	18.68			
15	64QAM	1	74	18.55	18.65	18.54			
15	64QAM	36	0	18.46	18.52	18.65			
15	64QAM	36	20	18.44	18.62	18.57	19.5	0	
15	64QAM	36	39	18.41	18.38	18.33			
15	64QAM	75	0	18.27	18.45	18.40			
15	256QAM	1	0	17.65	17.90	17.85			
15	256QAM	1	37	17.65	17.74	17.71	19	0.5	
15	256QAM	1	74	17.52	17.81	17.65			
15	256QAM	36	0	17.74	17.98	17.91			
15	256QAM	36	20	17.62	17.84	17.76	19	0.5	
15	256QAM	36	39	17.73	17.86	17.83			
15	256QAM	75	0	17.78	18.09	18.04			
				Channel	20800	21100	21400		
				Frequency (MHz)	2505	2535	2565		
10	QPSK	1	0	18.40	18.66	18.64			
10	QPSK	1	25	18.34	18.28	18.32	19.5	0	
10	QPSK	1	49	18.29	18.62	18.37			
10	QPSK	25	0	18.35	18.72	18.60			
10	QPSK	25	12	18.41	18.45	18.34	19.5	0	
10	QPSK	25	25	18.46	18.56	18.43			
10	QPSK	50	0	18.51	18.68	18.68			
10	16QAM	1	0	18.35	18.32	18.29			
10	16QAM	1	25	18.33	18.57	18.45	19.5	0	
10	16QAM	1	49	18.27	18.55	18.68			
10	16QAM	25	0	18.44	18.64	18.61			
10	16QAM	25	12	18.35	18.35	18.32	19.5	0	
10	16QAM	25	25	18.38	18.66	18.54			
10	16QAM	50	0	18.08	18.57	18.31			
10	64QAM	1	0	18.25	18.49	18.36			
10	64QAM	1	25	18.28	18.54	18.61	19.5	0	
10	64QAM	1	49	18.21	18.30	18.17			
10	64QAM	25	0	18.35	18.42	18.45			
10	64QAM	25	12	18.38	18.54	18.54	19.5	0	
10	64QAM	25	25	18.41	18.36	18.40			
10	64QAM	50	0	18.38	18.41	18.46			
10	256QAM	1	0	17.69	17.87	17.81			
10	256QAM	1	25	17.57	17.81	17.80	19	0.5	
10	256QAM	1	49	17.49	17.78	17.89			
10	256QAM	25	0	17.69	17.94	17.94			
10	256QAM	25	12	17.61	17.88	17.70	19	0.5	
10	256QAM	25	25	17.73	17.87	17.80			
10	256QAM	50	0	17.88	18.04	18.03			
				Channel	20775	21100	21425		
				Frequency (MHz)	2502.5	2535	2567.5		
5	QPSK	1	0	18.43	18.68	18.59			
5	QPSK	1	12	18.27	18.25	18.34	19.5	0	
5	QPSK	1	24	18.23	18.59	18.34			
5	QPSK	12	0	18.48	18.70	18.54			
5	QPSK	12	7	18.26	18.46	18.24	19.5	0	
5	QPSK	12	13	18.40	18.46	18.33			
5	QPSK	25	0	18.43	18.71	18.50			
5	16QAM	1	0	18.25	18.47	18.12			
5	16QAM	1	12	18.42	18.54	18.44	19.5	0	
5	16QAM	1	24	18.36	18.54	18.51			
5	16QAM	12	0	18.48	18.64	18.63			
5	16QAM	12	7	18.29	18.49	18.35	19.5	0	
5	16QAM	12	13	18.41	18.50	18.58			
5	16QAM	25	0	18.17	18.45	18.29			
5	64QAM	1	0	18.25	18.58	18.34			
5	64QAM	1	12	18.48	18.52	18.64	19.5	0	
5	64QAM	1	24	18.29	18.31	18.26			
5	64QAM	12	0	18.47	18.50	18.51			
5	64QAM	12	7	18.37	18.70	18.62	19.5	0	
5	64QAM	12	13	18.41	18.39	18.40			
5	64QAM	25	0	18.23	18.34	18.43			
5	256QAM	1	0	17.74	17.87	17.84			
5	256QAM	1	12	17.62	17.74	17.67	19	0.5	
5	256QAM	1	24	17.52	17.81	17.62			
5	256QAM	12	0	17.74	18.02	17.94			
5	256QAM	12	7	17.57	17.91	17.85	19	0.5	
5	256QAM	12	13	17.72	17.86	17.82			
5	256QAM	25	0	17.78	18.05	18.04			

Band 7 Ant6												
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)				
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.						
Channel				20650	21100	21550	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2010	2055	2100						
20	QPSK	1	0	18.36	18.44	18.31	19.5	0				
20	QPSK	1	49	18.26	18.36	18.28						
20	QPSK	1	99	18.32	18.37	18.29						
20	QPSK	50	0	18.25	18.39	18.27	19.5	0				
20	QPSK	50	24	18.21	18.27	18.16						
20	QPSK	50	50	18.26	18.38	18.28						
20	QPSK	100	0	18.26	18.37	18.27	19.5	0				
20	16QAM	1	0	18.20	18.29	18.19						
20	16QAM	1	49	18.29	18.41	18.27						
20	16QAM	1	99	18.13	18.27	18.13	19.5	0				
20	16QAM	50	0	18.23	18.28	18.18						
20	16QAM	50	24	18.15	18.28	18.22						
20	16QAM	50	50	18.21	18.34	18.20	19.5	0				
20	16QAM	100	0	18.29	18.39	18.29						
20	64QAM	1	0	18.24	18.30	18.20	19.5	0				
20	64QAM	1	49	18.32	18.40	18.29						
20	64QAM	1	99	18.21	18.33	18.22						
20	64QAM	50	0	18.17	18.31	18.26	19.5	0				
20	64QAM	50	24	18.28	18.35	18.22						
20	64QAM	50	50	18.20	18.28	18.24						
20	64QAM	100	0	18.24	18.32	18.22	19	0.5				
20	256QAM	1	0	17.68	17.72	17.68						
20	256QAM	1	49	17.52	17.66	17.53						
20	256QAM	1	99	17.65	17.62	17.67	19	0.5				
20	256QAM	50	0	17.78	17.87	17.82						
20	256QAM	50	24	17.76	17.88	17.83						
20	256QAM	50	50	17.75	17.87	17.78	19	0.5				
20	256QAM	100	0	17.77	17.92	17.85						
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2097.5	2125	2152.5						
15	QPSK	1	0	18.32	18.30	18.18	19.5	0				
15	QPSK	1	37	18.12	18.33	18.16						
15	QPSK	1	74	18.23	18.32	18.26						
15	QPSK	36	0	18.13	18.26	18.23	19.5	0				
15	QPSK	36	20	18.12	18.13	18.10						
15	QPSK	36	39	18.13	18.27	18.17						
15	QPSK	75	0	18.14	18.25	18.12	19.5	0				
15	16QAM	1	0	18.13	18.25	18.14						
15	16QAM	1	37	18.20	18.36	18.15						
15	16QAM	1	74	18.03	18.16	18.08	19.5	0				
15	16QAM	36	0	18.16	18.16	18.10						
15	16QAM	36	20	18.03	18.21	18.10						
15	16QAM	36	39	18.16	18.25	18.16	19.5	0				
15	16QAM	75	0	18.22	18.31	18.21						
15	64QAM	1	0	18.19	18.21	18.13						
15	64QAM	1	37	18.27	18.33	18.19	19.5	0				
15	64QAM	1	74	18.15	18.19	18.18						
15	64QAM	36	0	18.11	18.19	18.13						
15	64QAM	36	20	18.20	18.24	18.15	19.5	0				
15	64QAM	36	39	18.07	18.19	18.12						
15	64QAM	75	0	18.13	18.26	18.08						
15	256QAM	1	0	17.62	17.60	17.56	19	0.5				
15	256QAM	1	37	17.38	17.55	17.40						
15	256QAM	1	74	17.50	17.56	17.53						
15	256QAM	36	0	17.64	17.60	17.72	19	0.5				
15	256QAM	36	20	17.65	17.76	17.79						
15	256QAM	36	39	17.62	17.74	17.71						
15	256QAM	75	0	17.71	17.83	17.74	19	0.5				
Channel				20800	21100	21400						
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	18.26	18.35	18.18						
10	QPSK	1	25	18.17	18.30	18.15	19.5	0				
10	QPSK	1	49	18.21	18.26	18.15						
10	QPSK	25	0	18.11	18.35	18.15						
10	QPSK	25	12	18.11	18.15	18.12	19.5	0				
10	QPSK	25	25	18.12	18.30	18.15						
10	QPSK	50	0	18.16	18.27	18.15						
10	16QAM	1	0	18.09	18.21	18.12	19.5	0				
10	16QAM	1	25	18.17	18.29	18.15						
10	16QAM	1	49	18.00	18.23	18.04						
10	16QAM	25	0	18.14	18.15	18.07	19.5	0				
10	16QAM	25	12	18.01	18.20	18.18						
10	16QAM	25	25	18.12	18.27	18.05						
10	16QAM	50	0	18.22	18.30	18.26	19.5	0				
10	64QAM	1	0	18.18	18.17	18.16						
10	64QAM	1	25	18.19	18.36	18.18						
10	64QAM	1	49	18.10	18.24	18.07	19.5	0				
10	64QAM	25	0	18.09	18.19	18.12						
10	64QAM	25	12	18.15	18.31	18.18						
10	64QAM	25	25	18.09	18.22	18.18	19	0.5				
10	64QAM	50	0	18.19	18.22	18.17						
10	256QAM	1	0	17.64	17.60	17.59						
10	256QAM	1	25	17.40	17.54	17.49	19	0.5				
10	256QAM	1	49	17.43	17.56	17.43						
10	256QAM	25	0	17.74	17.76	17.77						
10	256QAM	25	12	17.68	17.77	17.72	19	0.5				
10	256QAM	25	25	17.69	17.75	17.63						
10	256QAM	50	0	17.73	17.82	17.79						
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2502.5	2535	2567.5						
5	QPSK	1	0	18.23	18.34	18.19	19.5	0				
5	QPSK	1	12	18.20	18.32	18.21						
5	QPSK	1	24	18.21	18.30	18.20						
5	QPSK	12	0	18.21	18.30	18.20	19.5	0				
5	QPSK	12	7	18.09	18.14	18.07						
5	QPSK	12	13	18.16	18.29	18.19						
5	QPSK	25	0	18.18	18.25	18.22	19.5	0				
5	16QAM	1	0	18.15	18.21	18.11						
5	16QAM	1	12	18.21	18.32	18.21						
5	16QAM	1	24	18.05	18.17	18.06	19.5	0				
5	16QAM	12	0	18.09	18.14	18.08						
5	16QAM	12	7	18.03	18.15	18.12						
5	16QAM	12	13	18.08	18.21	18.16	19.5	0				
5	16QAM	25	0	18.14	18.34	18.20						
5	64QAM	1	0	18.18	18.22	18.06						
5	64QAM	1	12	18.27	18.35	18.19	19.5	0				
5	64QAM	1	24	18.15	18.25	18.17						
5	64QAM	12	0	18.12	18.27	18.15						
5	64QAM	12	7	18.13	18.31	18.11	19.5	0				
5	64QAM	12	13	18.08	18.16	18.21						
5	64QAM	25	0	18.15	18.29	18.15						
5	256QAM	1	0	17.55	17.58	17.64	19	0.5				
5	256QAM	1	12	17.47	17.52	17.42						
5	256QAM	1	24	17.49	17.47	17.42						
5	256QAM	12	0	17.73	17.76	17.73	19	0.5				
5	256QAM	12	7	17.69	17.85	17.76						
5	256QAM	12	13	17.71	17.76	17.74						
5	256QAM	25	0	17.67	17.86	17.82	19	0.5				

Band 2 Ant1_Other PA														
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up test (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	14.22	14.40	14.33								
20	QPSK	1	49	14.27	14.27	14.21	15.5	0						
20	QPSK	1	99	14.19	14.38	14.16								
20	QPSK	50	0	14.25	14.35	14.21								
20	QPSK	24	0	14.22	14.33	14.21								
20	QPSK	50	50	14.16	14.29	14.22	15.5	0						
20	QPSK	100	0	14.26	14.38	14.33								
20	HQDM	1	0	14.15	14.39	14.31								
20	HQDM	1	49	13.94	14.34	14.16	15.5	0						
20	HQDM	1	99	14.00	14.37	14.33								
20	HQDM	1	99	14.03	14.33	14.29								
20	HQDM	50	24	14.12	14.36	14.11	15.5	0						
20	HQDM	50	50	14.08	14.12	14.08								
20	HQDM	100	0	14.02	14.39	14.24								
20	HQDM	1	0	14.02	14.36	14.19								
20	HQDM	1	49	14.15	14.33	14.25	15.5	0						
20	HQDM	1	99	14.19	14.33	14.29								
20	HQDM	50	24	14.12	14.36	14.12								
20	HQDM	50	50	14.08	14.33	14.15	15.5	0						
20	HQDM	100	0	14.11	14.22	14.20								
20	HQDM	1	0	14.08	14.33	14.22								
20	HQDM	1	49	14.16	14.33	14.22	15.5	0						
20	HQDM	1	99	13.94	14.35	14.08								
20	HQDM	50	24	14.12	14.35	14.12	15.5	0						
20	HQDM	50	50	14.01	14.21	14.13								
20	HQDM	100	0	14.02	14.21	14.13								
Channel														
Frequency (MHz)														
15	QPSK	1	0	13.99	14.32	14.32								
15	QPSK	1	37	13.97	14.27	14.21	15.5	0						
15	QPSK	1	74	14.01	14.31	14.16								
15	QPSK	36	0	14.08	14.28	14.12								
15	QPSK	25	0	14.13	14.33	14.26	15.5	0						
15	QPSK	36	36	13.85	14.18	14.22								
15	QPSK	75	0	13.94	14.28	14.35								
15	HQDM	1	0	14.08	14.40	14.31								
15	HQDM	1	37	13.91	14.32	14.09	15.5	0						
15	HQDM	1	74	14.06	14.33	14.24								
15	HQDM	36	20	14.08	14.34	14.09	15.5	0						
15	HQDM	75	0	13.97	14.38	14.18								
15	HQDM	1	0	13.95	14.21	14.09								
15	HQDM	37	0	14.10	14.32	14.25	15.5	0						
15	HQDM	1	74	14.09	14.25	14.16								
15	HQDM	36	0	13.91	14.34	14.11								
15	HQDM	36	20	14.07	14.36	14.07	15.5	0						
15	HQDM	36	36	14.01	14.12	14.05								
15	HQDM	75	0	14.07	14.12	14.13								
15	HQDM	1	37	14.09	14.29	14.22	15.5	0						
15	HQDM	1	74	13.87	14.26	14.00								
15	HQDM	36	0	14.01	14.30	14.25								
15	HQDM	36	20	14.10	14.29	14.20	15.5	0						
15	HQDM	36	36	14.02	14.22	14.11								
15	HQDM	75	0	14.02	14.21	14.13								
Channel														
Frequency (MHz)														
10	QPSK	1	0	13.95	14.30	14.30								
10	QPSK	1	25	14.02	14.18	14.16	15.5	0						
10	QPSK	1	49	14.07	14.33	14.12								
10	QPSK	24	0	14.02	14.34	14.21								
10	QPSK	25	12	14.12	14.28	14.12	15.5	0						
10	QPSK	25	25	13.85	14.20	14.18								
10	QPSK	36	0	13.95	14.30	14.31								
10	HQDM	1	0	14.05	14.38	14.21								
10	HQDM	1	25	13.93	14.25	14.13	15.5	0						
10	HQDM	1	49	14.03	14.27	14.17								
10	HQDM	25	12	14.07	14.36	14.07	15.5	0						
10	HQDM	25	12	14.03	14.02	14.03								
10	HQDM	50	50	14.01	14.28	14.23								
10	HQDM	1	0	13.99	14.24	14.11								
10	HQDM	1	12	14.10	14.31	14.23	15.5	0						
10	HQDM	1	49	14.19	14.22	14.18								
10	HQDM	25	0	13.95	14.35	14.16								
10	HQDM	25	12	13.98	14.30	14.21	15.5	0						
10	HQDM	50	25	14.03	14.21	14.15								
10	HQDM	50	0	14.10	14.14	14.15								
10	HQDM	50	12	13.95	14.35	14.16								
10	HQDM	1	25	14.11	14.22	14.12	15.5	0						
10	HQDM	1	49	13.90	14.26	13.96								
10	HQDM	25	0	14.05	14.28	14.14								
10	HQDM	25	12	14.09	14.28	14.30	15.5	0						
10	HQDM	25	25	14.01	14.12	14.03								
10	HQDM	50	0	14.02	14.23	14.09								
Channel														
Frequency (MHz)														
5	QPSK	1	0	14.02	14.34	14.31								
5	QPSK	1	12	14.05	14.27	14.20	15.5	0						
5	QPSK	1	24	14.07	14.35	14.14								
5	QPSK	13	0	14.02	14.34	14.21								
5	QPSK	12	7	14.01	14.29	14.16	15.5	0						
5	QPSK	12	13	13.89	14.27	14.17								
5	HQDM	1	0	13.93	14.36	14.32								
5	HQDM	1	5	14.14	14.34	14.23								
5	HQDM	1	12	13.95	14.24	14.10	15.5	0						
5	HQDM	1	12	14.03	14.37	14.23								
5	HQDM	12	5	13.92	14.30	14.26								
5	HQDM	12	7	14.05	14.33	14.07	15.5	0						
5	HQDM	12	13	13.95	14.08	14.10								
5	HQDM	25	0	13.98	14.38	14.22								
5	HQDM	1	0	13.92	14.29	14.04								
5	HQDM	12	13	14.13	14.24	14.19	15.5	0						
5	HQDM	1	24	14.15	14.32	14.18								
5	HQDM	12	0	13.95	14.29	14.12								
5	HQDM	12	13	13.81	14.19	14.17	15.5	0						
5	HQDM	12	13	14.08	14.13	14.13								
5	HQDM	25	0	14.03	14.21	14.15								
5	HQDM	25	0	14.06	14.31	14.30								
5	HQDM	1	12	14.13	14.24	14.11	15.5	0						
5	HQDM	1	24	13.94	14.32	14.04								
5	HQDM	12	0	14.01	14.33	14.20								
5	HQDM	12	7	14.06	14.25	14.30	15.5	0						
5	HQDM	12	13	13.92	14.12	14.09								
5	HQDM	25	0	13.91	14.27	14.10								
Channel														
Frequency (MHz)														
3	QPSK	1	0	13.93	14.39	14.23								
3	QPSK	1	8	14.00	14.22	14.20	15.5	0						
3	QPSK	1	14	14.01										

Reduced Power Mode for Hotspot

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								
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	31.84	31.92	31.81	33.00	22.84	22.92	22.81	24.00
GPRS 1 Tx slot	31.79	31.89	31.75	33.00	22.79	22.89	22.75	24.00
GPRS 2 Tx slots	29.60	29.69	29.60	31.00	23.60	23.69	23.60	25.00
GPRS 3 Tx slots	28.14	28.26	28.18	29.50	23.88	24.00	23.92	25.24
GPRS 4 Tx slots	26.36	26.42	26.27	27.50	23.36	23.42	23.27	24.50
EDGE 1 Tx slot	25.07	25.83	25.72	27.00	16.67	16.83	16.72	19.00
EDGE 2 Tx slots	23.85	23.78	23.69	25.00	17.65	17.78	17.69	19.00
EDGE 3 Tx slots	22.12	22.35	22.29	23.50	17.86	18.09	18.03	19.24
EDGE 4 Tx slots	20.88	20.95	20.78	22.00	17.88	17.95	17.78	19.00

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								
Frequency (MHz)	1852.2	1860	1867.8		1852.2	1860	1867.8	
GSM 1 Tx slot	23.92	24.06	23.98	25.00	14.92	15.06	14.98	16.00
GPRS 1 Tx slot	23.88	24.00	23.91	25.00	14.88	15.00	14.91	16.00
GPRS 2 Tx slots	23.81	23.84	23.64	25.00	17.61	17.84	17.64	19.00
GPRS 3 Tx slots	23.27	23.47	23.34	24.50	19.01	19.21	19.08	20.24
GPRS 4 Tx slots	22.98	23.19	23.02	24.00	19.98	20.19	20.02	21.00
EDGE 1 Tx slot	19.92	19.98	19.84	21.00	10.92	10.98	10.84	12.00
EDGE 2 Tx slots	19.65	19.72	19.58	21.00	13.65	13.72	13.58	15.00
EDGE 3 Tx slots	19.37	19.43	19.32	20.50	15.11	15.17	15.06	16.24
EDGE 4 Tx slots	19.08	19.26	19.18	20.00	16.08	16.26	16.18	17.00

Band	WCDMA 1 Amd			Tune-up Limit (dBm)	WCDMA 1 V Amd			Tune-up Limit (dBm)	WCDMA 1 V Amd			Tune-up Limit (dBm)
	9262	9800	9938		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Rx Channel												
Frequency (MHz)	1852.4	1860	1867.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	20.57	20.60	20.42	21.50	21.54	21.59	21.47	22.50	22.91	22.83	22.82	24.00
3GPP Rel 99	20.62	20.65	20.45	21.50	21.60	21.66	21.54	22.50	23.00	23.05	23.01	24.00
3GPP Rel 6	19.63	19.64	19.54	20.50	20.53	20.53	20.42	21.50	21.91	22.12	21.93	23.00
3GPP Rel 6	19.47	19.50	19.38	20.50	20.67	20.72	20.53	21.50	22.00	22.05	22.05	23.00
3GPP Rel 6	19.04	19.11	18.99	20.00	20.11	20.19	19.94	21.00	21.36	21.52	21.45	22.50
3GPP Rel 6	18.95	19.01	18.95	20.00	20.03	20.10	19.98	21.00	21.53	21.51	21.39	22.50
3GPP Rel 6	19.57	19.52	19.36	20.50	20.55	20.51	20.39	21.50	22.00	22.09	21.97	23.00
3GPP Rel 6	17.53	17.41	17.38	18.50	18.54	18.51	18.36	19.50	20.04	19.98	19.92	21.00
3GPP Rel 6	18.39	18.47	18.49	19.50	19.44	19.54	19.49	20.50	20.98	21.10	21.04	22.00
3GPP Rel 6	17.45	17.53	17.47	18.50	18.54	18.59	18.48	19.50	19.97	19.96	19.89	21.00
3GPP Rel 6	19.44	19.52	19.45	20.50	20.51	20.54	20.54	21.50	21.85	22.09	21.99	23.00



Band 2 Ant0																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up (sec)	APR3 (dB)										
Channel																		
Frequency (MHz)																		
20	QPSK	1	0	20.86	18.00	20.85	22.5	0										
20	QPSK	1	49	20.85	20.84	20.84												
20	QPSK	1	99	20.74	20.91	20.85												
20	QPSK	50	0	19.87	19.02	19.79												
20	QPSK	50	24	19.87	19.02	19.81	21.5	1										
20	QPSK	50	50	19.80	19.86	19.81												
20	QPSK	100	0	19.73	19.86	19.80												
20	16QAM	50	0	20.08	20.15	20.11												
20	16QAM	1	49	20.23	20.16	20.12	21.5	1										
20	16QAM	1	99	20.11	20.00	20.11												
20	16QAM	50	0	19.82	19.95	19.99												
20	16QAM	50	24	19.88	19.02	19.91												
20	16QAM	50	50	19.86	19.04	19.86	20.5	2										
20	16QAM	100	0	19.77	19.91	19.82												
20	64QAM	1	0	19.07	19.11	19.09												
20	64QAM	1	49	19.16	19.00	19.09												
20	64QAM	50	0	19.05	19.08	19.15	19.5	3										
20	64QAM	50	0	17.94	18.00	17.84												
20	64QAM	50	24	17.85	17.83	17.83												
20	64QAM	100	0	17.80	17.91	17.91												
20	256QAM	1	49	15.90	15.97	16.00	17.5	5										
20	256QAM	1	99	16.08	15.88	15.86												
20	256QAM	50	0	15.86	15.90	15.90												
20	256QAM	50	24	16.04	15.87	16.06												
20	256QAM	50	50	15.86	15.99	15.83	17.5	5										
20	256QAM	100	0	15.81	15.89	15.89												
Channel																		
Frequency (MHz)																		
16	QPSK	1	0	20.78	20.87	20.73	22.5	0										
16	QPSK	1	37	20.84	20.82	20.82												
16	QPSK	1	74	20.73	20.90	20.73												
16	QPSK	36	0	19.89	19.83	19.89												
16	QPSK	36	39	19.72	19.88	19.83	21.5	1										
16	QPSK	36	39	19.65	19.71	19.81												
16	QPSK	75	0	19.68	19.86	19.81												
16	16QAM	1	0	20.04	20.12	20.04												
16	16QAM	1	37	20.11	20.00	19.93	21.5	1										
16	16QAM	1	74	20.08	19.95	19.95												
16	16QAM	36	0	19.91	19.75	19.89												
16	16QAM	36	39	19.87	19.81	19.90												
16	16QAM	36	39	19.80	19.78	19.80	20.5	2										
16	16QAM	75	0	19.80	19.78	19.80												
16	64QAM	1	0	19.02	19.85	19.03												
16	64QAM	1	37	19.13	19.79	19.03												
16	64QAM	1	74	19.09	19.91	19.13	19.5	3										
16	64QAM	36	0	17.82	17.80	17.82												
16	64QAM	36	39	17.81	17.77	17.81												
16	64QAM	36	39	17.51	17.74	17.59												
16	64QAM	75	0	17.80	17.78	17.78	17.5	5										
16	256QAM	1	0	15.86	15.86	15.86												
16	256QAM	1	37	15.82	15.90	15.90												
16	256QAM	1	74	16.08	15.86	15.73												
16	256QAM	36	0	15.82	15.98	15.82	17.5	5										
16	256QAM	36	39	15.85	15.74	15.89												
16	256QAM	36	39	15.82	15.81	15.69												
16	256QAM	75	0	15.77	15.76	15.76												
Channel																		
Frequency (MHz)																		
10	QPSK	1	0	20.78	20.90	20.83	22.5	0										
10	QPSK	1	49	20.53	20.79	20.85												
10	QPSK	1	99	20.77	20.59	20.81												
10	QPSK	25	12	19.71	19.97	19.81												
10	QPSK	25	25	19.71	19.87	19.81	21.5	1										
10	QPSK	50	0	19.82	19.89	19.89												
10	16QAM	1	0	19.89	19.95	20.12												
10	16QAM	1	26	20.05	20.16	19.91												
10	16QAM	1	49	20.50	19.78	19.81	20.5	2										
10	16QAM	25	0	19.76	19.82	19.99												
10	16QAM	25	12	18.85	19.04	18.85												
10	16QAM	36	0	19.80	19.80	19.87												
10	16QAM	50	0	19.73	19.82	19.59	20.5	2										
10	64QAM	1	0	19.01	19.08	19.06												
10	64QAM	1	24	19.10	19.12	19.10												
10	64QAM	1	49	19.75	19.85	19.89												
10	64QAM	25	0	17.76	17.78	17.75	19.5	3										
10	64QAM	25	12	17.68	17.73	17.70												
10	64QAM	25	25	17.57	17.85	17.86												
10	64QAM	50	0	17.81	17.83	17.83												
10	256QAM	1	0	15.86	15.86	15.86	17.5	5										
10	256QAM	1	26	15.72	15.83	15.86												
10	256QAM	1	49	15.97	15.67	15.64												
10	256QAM	25	0	15.75	15.80	15.80												
10	256QAM	25	12	15.88	15.71	15.96	17.5	5										
10	256QAM	25	25	15.80	15.95	15.78												
10	256QAM	50	0	15.80	15.82	15.80												
Channel																		
Frequency (MHz)																		
5	QPSK	1	0	20.73	20.90	20.83	22.5	0										
5	QPSK	1	12	20.70	20.93	20.75												
5	QPSK	1	24	20.62	20.74	20.76												
5	QPSK	12	0	19.68	19.86	19.81												
5	QPSK	12	7	19.84	19.83	19.79	21.5	1										
5	QPSK	12	13	19.79	19.82	19.85												
5	QPSK	26	0	19.40	19.83	19.65												
5	16QAM	1	0	19.85	20.00	20.07												
5	16QAM	1	12	20.02	20.10	19.99	21.5	1										
5	16QAM	1	24	19.93	19.91	19.91												
5	16QAM	12	0	18														

Band 25 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Time-up (ms)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.08	21.15	21.00	22.5	0			
20	QPSK	1	49	20.88	21.12	20.94					
20	QPSK	1	99	21.06	20.90	20.86					
20	QPSK	50	0	20.00	20.00	20.00	21.5	1			
20	QPSK	50	24	19.90	19.90	19.91					
20	QPSK	50	50	19.93	20.00	19.99					
20	QPSK	100	0	19.95	20.00	19.99	21.5	1			
20	16QAM	1	0	20.17	20.20	20.37					
20	16QAM	1	49	20.13	20.20	20.21					
20	16QAM	1	99	20.16	20.15	20.10	20.5	2			
20	16QAM	50	0	19.00	19.00	19.06					
20	16QAM	50	24	19.90	19.10	19.96					
20	16QAM	50	50	19.91	19.90	19.96	19.5	3			
20	16QAM	100	0	19.88	19.90	19.10					
20	64QAM	1	0	19.05	19.11	19.27					
20	64QAM	1	49	19.06	19.06	19.21	20.5	2			
20	64QAM	1	99	19.12	19.25	19.10					
20	64QAM	50	0	18.11	18.09	18.12					
20	64QAM	50	24	18.06	18.20	17.96	19.5	3			
20	64QAM	50	50	18.05	18.10	18.15					
20	256QAM	1	0	16.16	16.20	16.21					
20	256QAM	1	49	16.10	16.20	16.03	17.5	5			
20	256QAM	1	99	16.05	16.24	16.17					
20	256QAM	50	0	15.00	15.10	15.02					
20	256QAM	50	24	15.18	15.09	15.99	17.5	5			
20	256QAM	50	50	15.93	15.85	15.99					
20	256QAM	100	0	15.07	15.00	15.04					
Channel											
Frequency (MHz)											
15	QPSK	1	0	20.94	21.00	20.92	22.5	0			
15	QPSK	1	37	20.70	21.00	20.72					
15	QPSK	1	74	20.93	20.89	20.70					
15	QPSK	36	0	19.94	20.12	19.97	21.5	1			
15	QPSK	36	18	19.87	19.90	19.77					
15	QPSK	36	36	19.88	19.87	19.99					
15	QPSK	75	0	19.89	19.89	19.87	21.5	1			
15	16QAM	1	0	20.05	20.07	20.31					
15	16QAM	1	37	19.97	20.14	20.08					
15	16QAM	1	74	19.12	19.20	19.21	20.5	2			
15	16QAM	36	0	18.82	18.99	19.08					
15	16QAM	36	18	18.77	18.88	18.98					
15	16QAM	36	36	18.96	18.97	19.02	19.5	3			
15	16QAM	75	0	18.71	18.80	19.09					
15	64QAM	1	0	18.99	18.96	19.25					
15	64QAM	1	37	18.87	18.97	18.97	20.5	2			
15	64QAM	1	74	19.03	19.13	19.34					
15	64QAM	36	0	17.82	17.87	18.09					
15	64QAM	36	18	18.06	18.06	18.06	19.5	3			
15	64QAM	36	36	17.92	18.07	17.97					
15	64QAM	75	0	17.75	17.88	17.94					
15	256QAM	1	0	15.86	16.20	16.14	17.5	5			
15	256QAM	1	37	15.97	16.11	15.94					
15	256QAM	1	74	16.01	16.09	16.15					
15	256QAM	36	0	15.86	15.81	15.98	17.5	5			
15	256QAM	36	18	15.98	15.90	15.94					
15	256QAM	36	36	15.88	15.85	15.76					
15	256QAM	75	0	15.81	15.87	15.63					
Channel											
Frequency (MHz)											
10	QPSK	1	0	20.89	21.00	20.82	22.5	0			
10	QPSK	1	25	20.77	21.00	20.82					
10	QPSK	1	49	20.89	20.80	20.67					
10	QPSK	25	0	19.86	20.12	19.89	21.5	1			
10	QPSK	25	12	19.75	19.89	19.69					
10	QPSK	25	25	19.80	19.86	19.83					
10	QPSK	50	0	19.73	19.89	19.89	21.5	1			
10	16QAM	1	0	20.03	20.09	20.29					
10	16QAM	1	25	19.88	20.29	20.09					
10	16QAM	1	49	20.05	19.96	19.96	20.5	2			
10	16QAM	25	0	19.93	19.89	19.99					
10	16QAM	25	12	18.69	19.14	18.89					
10	16QAM	25	25	19.00	18.90	18.80	19.5	3			
10	16QAM	50	0	18.76	19.00	19.11					
10	64QAM	1	0	18.86	18.86	19.21					
10	64QAM	1	25	18.90	19.10	18.97	20.5	2			
10	64QAM	1	49	19.03	19.09	19.37					
10	64QAM	25	0	18.07	17.80	18.15					
10	64QAM	25	12	18.00	18.20	17.86	19.5	3			
10	64QAM	25	25	17.89	18.01	18.10					
10	64QAM	50	0	17.85	17.82	17.90					
10	256QAM	1	0	15.87	16.20	16.13	17.5	5			
10	256QAM	1	25	16.11	16.20	16.03					
10	256QAM	1	49	16.00	16.21	16.10					
10	256QAM	25	0	15.83	15.80	15.94	17.5	5			
10	256QAM	25	12	15.99	15.78	15.79					
10	256QAM	25	25	15.75	15.78	15.76					
10	256QAM	50	0	15.02	15.80	15.78					
Channel											
Frequency (MHz)											
5	QPSK	1	0	21.06	21.00	21.00	22.5	0			
5	QPSK	1	12	20.78	21.00	20.93					
5	QPSK	1	24	20.97	20.88	20.72					
5	QPSK	12	0	19.90	19.10	19.87	21.5	1			
5	QPSK	12	7	19.73	19.77	19.91					
5	QPSK	12	13	19.80	19.86	19.87					
5	QPSK	25	0	19.74	19.86	19.79	21.5	1			
5	16QAM	1	0	20.09	20.12	20.19					
5	16QAM	1	12	20.12	20.06	20.14					
5	16QAM	1	24	19.95	19.96	19.96	20.5	2			
5	16QAM	12	0	18.99	18.98	18.96					
5	16QAM	12	7	18.85	19.00	19.01					
5	16QAM	12	14	18.88	18.96	18.90	20.5	2			
5	16QAM	25	0	18.83	18.91	19.12					
5	64QAM	1	0	19.03	19.00	19.16					
5	64QAM	1	12	19.46	19.46	19.09	19.5	3			
5	64QAM	1	24	19.06	19.17	19.84					
5	64QAM	12	0	18.02	17.91	18.13					
5	64QAM	12	7	17.96	18.11	17.87	19.5	3			
5	64QAM	12	13	17.83	18.11	17.96					
5	64QAM	25	0	17.80	18.00	17.87					
5	256QAM	1	0	16.04	16.12	16.18	17.5	5			
5	256QAM	1	12	15.92	16.21	15.80					
5	256QAM	1	24	16.01	16.10	15.97					
5	256QAM	12	0	16.01	15.96	15.81	17.5	5			
5	256QAM	12	7	16.00	15.90	15.99					
5	256QAM	12	13	15.82	15.76	15.87					
5	256QAM	25	0	15.94	16.00	15.80					
Channel											
Frequency (MHz)											
3	QPSK	1	0	20.81	20.90	20.83	22.5	0			
3	QPSK	1	8	20.89	21.00	20.81					
3	QPSK	1	14	21.00	20.81	20.87					
3	QPSK	3	0	19.85	20.10	20.00	21.5	1			
3	QPSK	3	4	19.82	19.86	19.80					
3	QPSK	3	7	19.86	20.01	19.99					
3	QPSK	3	15	19.88	19.89	19.79	21.5	1			
3	16QAM	1	0	20.15	20.09	20.38					
3	16QAM	1	8	19.92	20.00	20.09					
3	16QAM	1	14	20.11	20.01	20.04	20.5	2			
3	16QAM	3	0	18.86	18.98	19.08					
3	16QAM	3	4	18.88	19.04	19.03					
3	16QAM	3	7	18.93	18.86	18.80	20.5	2			
3	16QAM	15	0	18.81	18.80	19.06					
3	64QAM	1	0	19.06	19.02	19.23					

Band 38 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				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.75	19.87	19.68	21	0	
20	QPSK	1	49	19.67	19.68	19.70			
20	QPSK	1	99	19.55	19.66	19.56			
20	QPSK	50	0	19.80	19.84	19.67	21	0	
20	QPSK	50	24	19.71	19.75	19.67			
20	QPSK	50	50	19.50	19.68	19.59			
20	QPSK	100	0	19.81	19.82	19.68	21	0	
20	16QAM	1	0	19.63	19.67	19.65			
20	16QAM	1	49	19.57	19.64	19.55			
20	16QAM	1	99	19.80	19.79	19.74	21	0	
20	16QAM	50	0	19.70	19.72	19.60			
20	16QAM	50	24	19.50	19.60	19.58			
20	16QAM	50	50	19.81	19.85	19.70	21	0	
20	16QAM	100	0	19.70	19.65	19.58			
20	64QAM	1	0	19.60	19.64	19.60			
20	64QAM	1	49	19.86	19.85	19.71	21	0	
20	64QAM	1	99	19.65	19.68	19.69			
20	64QAM	50	0	19.51	19.68	19.60			
20	64QAM	50	24	19.76	19.83	19.75	21	0	
20	64QAM	50	50	19.65	19.69	19.59			
20	64QAM	100	0	19.56	19.65	19.51			
20	256QAM	1	0	17.45	17.67	17.48	19	2	
20	256QAM	1	49	17.46	17.58	17.47			
20	256QAM	1	99	17.54	17.59	17.44			
20	256QAM	50	0	17.66	17.76	17.64	19	2	
20	256QAM	50	24	17.52	17.56	17.47			
20	256QAM	50	50	17.55	17.66	17.52			
20	256QAM	100	0	17.55	17.69	17.60	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.71	19.78	19.60			
15	QPSK	1	37	19.68	19.69	19.70	21	0	
15	QPSK	1	74	19.56	19.66	19.52			
15	QPSK	36	0	19.70	19.82	19.61			
15	QPSK	36	20	19.65	19.68	19.62	21	0	
15	QPSK	36	39	19.52	19.62	19.58			
15	QPSK	75	0	19.75	19.81	19.59			
15	16QAM	1	0	19.62	19.62	19.64	21	0	
15	16QAM	1	37	19.57	19.57	19.50			
15	16QAM	1	74	19.73	19.73	19.70			
15	16QAM	36	0	19.65	19.63	19.52	21	0	
15	16QAM	36	20	19.51	19.57	19.59			
15	16QAM	36	39	19.76	19.82	19.69			
15	16QAM	75	0	19.70	19.64	19.48	21	0	
15	64QAM	1	0	19.54	19.54	19.62			
15	64QAM	1	37	19.77	19.76	19.64			
15	64QAM	1	74	19.61	19.69	19.64	21	0	
15	64QAM	36	0	19.47	19.70	19.51			
15	64QAM	36	20	19.77	19.77	19.65			
15	64QAM	36	39	19.64	19.71	19.55	21	0	
15	64QAM	75	0	19.53	19.57	19.46			
15	256QAM	1	0	17.40	17.66	17.47			
15	256QAM	1	37	17.41	17.52	17.44	19	2	
15	256QAM	1	74	17.47	17.53	17.39			
15	256QAM	36	0	17.67	17.67	17.60			
15	256QAM	36	20	17.45	17.55	17.44	19	2	
15	256QAM	36	39	17.54	17.61	17.53			
15	256QAM	75	0	17.50	17.69	17.60			
Channel				37500	38000	38500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.65	19.83	19.63	21	0	
10	QPSK	1	25	19.67	19.61	19.71			
10	QPSK	1	49	19.46	19.65	19.52			
10	QPSK	25	0	19.77	19.76	19.69	21	0	
10	QPSK	25	12	19.72	19.70	19.64			
10	QPSK	25	25	19.45	19.62	19.58			
10	QPSK	50	0	19.79	19.79	19.66	21	0	
10	16QAM	1	0	19.59	19.60	19.63			
10	16QAM	1	25	19.53	19.55	19.47			
10	16QAM	1	49	19.72	19.74	19.73	21	0	
10	16QAM	25	0	19.72	19.64	19.56			
10	16QAM	25	12	19.45	19.51	19.54			
10	16QAM	25	25	19.78	19.83	19.60	21	0	
10	16QAM	50	0	19.62	19.60	19.54			
10	64QAM	1	0	19.58	19.63	19.53			
10	64QAM	1	25	19.82	19.77	19.68	21	0	
10	64QAM	1	49	19.58	19.66	19.62			
10	64QAM	25	0	19.48	19.64	19.62			
10	64QAM	25	12	19.69	19.63	19.73	21	0	
10	64QAM	25	25	19.64	19.68	19.52			
10	64QAM	50	0	19.47	19.64	19.53			
10	256QAM	1	0	17.41	17.57	17.41	19	2	
10	256QAM	1	25	17.41	17.57	17.42			
10	256QAM	1	49	17.46	17.61	17.40			
10	256QAM	25	0	17.67	17.70	17.59	19	2	
10	256QAM	25	12	17.47	17.46	17.46			
10	256QAM	25	25	17.53	17.60	17.43			
10	256QAM	50	0	17.46	17.65	17.51	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.75	19.86	19.69			
5	QPSK	1	12	19.62	19.61	19.70	21	0	
5	QPSK	1	24	19.50	19.57	19.51			
5	QPSK	12	0	19.78	19.84	19.60			
5	QPSK	12	7	19.70	19.76	19.62	21	0	
5	QPSK	12	13	19.42	19.69	19.53			
5	QPSK	25	0	19.76	19.73	19.65			
5	16QAM	1	0	19.54	19.63	19.58	21	0	
5	16QAM	1	12	19.48	19.62	19.47			
5	16QAM	1	24	19.73	19.74	19.69			
5	16QAM	12	0	19.61	19.70	19.60	21	0	
5	16QAM	12	7	19.40	19.55	19.49			
5	16QAM	12	13	19.71	19.78	19.68			
5	16QAM	25	0	19.68	19.61	19.51	21	0	
5	64QAM	1	0	19.51	19.62	19.59			
5	64QAM	1	12	19.84	19.77	19.70			
5	64QAM	1	24	19.59	19.63	19.70	21	0	
5	64QAM	12	0	19.44	19.64	19.61			
5	64QAM	12	7	19.75	19.82	19.69			
5	64QAM	12	13	19.66	19.66	19.51	21	0	
5	64QAM	25	0	19.56	19.56	19.48			
5	256QAM	1	0	17.45	17.61	17.47			
5	256QAM	1	12	17.37	17.57	17.38	19	2	
5	256QAM	1	24	17.44	17.51	17.39			
5	256QAM	12	0	17.58	17.71	17.56			
5	256QAM	12	7	17.54	17.50	17.43	19	2	
5	256QAM	12	13	17.51	17.64	17.53			
5	256QAM	25	0	17.55	17.63	17.57			

Band 38 HPUE 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				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.78	22.88	22.81	24	0	
20	QPSK	1	49	22.73	22.82	22.78			
20	QPSK	1	99	22.65	22.80	22.71			
20	QPSK	50	0	22.84	22.86	22.82			
20	QPSK	50	24	22.75	22.80	22.87	24	0	
20	QPSK	50	50	22.66	22.73	22.71			
20	QPSK	100	0	22.82	22.84	22.79			
20	16QAM	1	0	22.84	22.80	22.75			
20	16QAM	1	49	22.62	22.71	22.62	24	0	
20	16QAM	1	99	22.81	22.82	22.81			
20	16QAM	50	0	22.77	22.82	22.87			
20	16QAM	50	24	22.66	22.81	22.69			
20	16QAM	50	50	22.80	22.83	22.84	24	0	
20	16QAM	100	0	22.75	22.79	22.75			
20	64QAM	1	0	22.63	22.72	22.61			
20	64QAM	1	49	22.82	22.83	22.82			
20	64QAM	1	99	22.81	22.79	22.75	24	0	
20	64QAM	50	0	22.60	22.77	22.71			
20	64QAM	50	24	22.86	22.83	22.84			
20	64QAM	100	0	22.75	22.79	22.75			
20	256QAM	1	0	22.65	22.72	22.61	24	0	
20	256QAM	1	49	22.82	22.83	22.82			
20	256QAM	1	99	20.69	20.90	20.70			
20	256QAM	1	49	20.78	20.86	20.70			
20	256QAM	1	99	20.66	20.80	20.61	22	2	
20	256QAM	50	0	20.82	20.90	20.87			
20	256QAM	50	24	20.64	20.72	20.68			
20	256QAM	50	50	20.70	20.76	20.68			
20	256QAM	100	0	20.57	20.77	20.68	22	2	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.71	22.79	22.77			
15	QPSK	1	37	22.66	22.83	22.79			
15	QPSK	1	74	22.61	22.82	22.68			
15	QPSK	36	0	22.85	22.86	22.78			
15	QPSK	36	20	22.68	22.75	22.62	24	0	
15	QPSK	36	39	22.56	22.70	22.65			
15	QPSK	75	0	22.80	22.83	22.77			
15	16QAM	1	0	22.74	22.72	22.72			
15	16QAM	1	37	22.63	22.70	22.62	24	0	
15	16QAM	1	74	22.81	22.75	22.73			
15	16QAM	36	0	22.74	22.79	22.61			
15	16QAM	36	20	22.64	22.72	22.65			
15	16QAM	36	39	22.75	22.75	22.78	24	0	
15	16QAM	75	0	22.69	22.75	22.65			
15	64QAM	1	0	22.53	22.73	22.59			
15	64QAM	1	37	22.78	22.77	22.84			
15	64QAM	1	74	22.80	22.78	22.76	24	0	
15	64QAM	36	0	22.51	22.70	22.65			
15	64QAM	36	20	22.62	22.72	22.62			
15	64QAM	36	39	22.75	22.72	22.67			
15	64QAM	75	0	22.56	22.74	22.60	24	0	
15	256QAM	1	0	20.60	20.89	20.63			
15	256QAM	1	37	20.71	20.80	20.62			
15	256QAM	1	74	20.67	20.79	20.57			
15	256QAM	36	0	20.84	20.83	20.82	22	2	
15	256QAM	36	20	20.62	20.62	20.67			
15	256QAM	36	39	20.71	20.78	20.67			
15	256QAM	75	0	20.59	20.73	20.58			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.77	22.85	22.80	24	0	
10	QPSK	1	25	22.69	22.73	22.75			
10	QPSK	1	49	22.63	22.72	22.62			
10	QPSK	25	0	22.77	22.82	22.84			
10	QPSK	25	12	22.69	22.80	22.61	24	0	
10	QPSK	25	25	22.57	22.68	22.57			
10	QPSK	50	0	22.75	22.87	22.81			
10	16QAM	1	0	22.84	22.76	22.73			
10	16QAM	1	25	22.59	22.68	22.61	24	0	
10	16QAM	1	49	22.73	22.76	22.74			
10	16QAM	25	0	22.71	22.81	22.68			
10	16QAM	25	12	22.58	22.79	22.57			
10	16QAM	25	25	22.81	22.80	22.84	24	0	
10	16QAM	50	0	22.68	22.70	22.72			
10	64QAM	1	0	22.61	22.73	22.54			
10	64QAM	1	25	22.77	22.79	22.81			
10	64QAM	1	49	22.72	22.70	22.70	24	0	
10	64QAM	25	0	22.55	22.69	22.68			
10	64QAM	25	12	22.80	22.82	22.83			
10	64QAM	25	25	22.71	22.73	22.69			
10	64QAM	50	0	22.62	22.70	22.62	24	0	
10	256QAM	1	0	20.68	20.82	20.64			
10	256QAM	1	25	20.70	20.78	20.69			
10	256QAM	1	49	20.63	20.76	20.57			
10	256QAM	25	0	20.79	20.83	20.80	22	2	
10	256QAM	25	12	20.59	20.67	20.64			
10	256QAM	25	25	20.71	20.70	20.68			
10	256QAM	50	0	20.59	20.74	20.58			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.69	22.87	22.81	24	0	
5	QPSK	1	12	22.66	22.76	22.73			
5	QPSK	1	24	22.61	22.77	22.70			
5	QPSK	12	0	22.85	22.86	22.85			
5	QPSK	12	7	22.70	22.81	22.65	24	0	
5	QPSK	12	13	22.58	22.75	22.73			
5	QPSK	25	0	22.76	22.85	22.71			
5	16QAM	1	0	22.83	22.70	22.69			
5	16QAM	1	12	22.53	22.63	22.53	24	0	
5	16QAM	1	24	22.80	22.72	22.84			
5	16QAM	12	0	22.78	22.74	22.79			
5	16QAM	12	7	22.56	22.74	22.71			
5	16QAM	12	13	22.71	22.82	22.83	24	0	
5	16QAM	25	0	22.76	22.81	22.65			
5	64QAM	1	0	22.63	22.84	22.59			
5	64QAM	1	12	22.83	22.82	22.78			
5	64QAM	1	24	22.72	22.69	22.69	24	0	
5	64QAM	12	0	22.52	22.76	22.63			
5	64QAM	12	7	22.81	22.82	22.77			
5	64QAM	12	13	22.74	22.78	22.63			
5	256QAM	25	0	20.69	20.74	20.62	24	0	
5	256QAM	1	0	20.61	20.84	20.61			
5	256QAM	1	12	20.73	20.84	20.71			
5	256QAM	1	24	20.65	20.74	20.59			
5	256QAM	12	0	20.75	20.88	20.82	22	2	
5	256QAM	12	7	20.67	20.76	20.64			
5	256QAM	12	13	20.65	20.77	20.68			
5	256QAM	25	0	20.50	20.75	20.61			

Band 41 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.70	19.55	19.98	19.81	19.67	21	0
20	QPSK	1	49	19.65	19.62	19.71	19.57	19.57		
20	QPSK	1	99	19.61	19.57	19.63	19.54	19.56		
20	QPSK	50	0	19.80	19.59	19.94	19.59	19.61		
20	QPSK	50	24	19.71	19.55	19.70	19.60	19.59	21	0
20	QPSK	50	50	19.67	19.57	19.66	19.59	19.49		
20	QPSK	100	0	19.65	19.55	19.92	19.58	19.58		
20	16QAM	1	0	19.62	19.54	19.76	19.50	19.55		
20	16QAM	1	49	19.71	19.69	19.71	19.65	19.52	21	0
20	16QAM	1	99	19.67	19.54	19.96	19.56	19.63		
20	16QAM	50	0	19.68	19.57	19.74	19.67	19.57		
20	16QAM	50	24	19.60	19.64	19.66	19.60	19.58		
20	16QAM	50	50	19.61	19.62	19.52	19.51	19.66	21	0
20	16QAM	100	0	19.65	19.56	19.71	19.61	19.58		
20	64QAM	1	0	19.65	19.63	19.62	19.53	19.60		
20	64QAM	1	49	19.66	19.57	19.67	19.61	19.62		
20	64QAM	1	99	19.73	19.56	19.66	19.69	19.60	21	0
20	64QAM	50	0	19.62	19.56	19.75	19.63	19.53		
20	64QAM	50	24	19.69	19.63	19.35	19.61	19.65		
20	64QAM	50	50	19.69	19.63	19.74	19.59	19.70		
20	64QAM	100	0	19.60	19.62	19.71	19.60	19.61	19	2
20	256QAM	1	0	17.51	17.51	17.55	17.44	17.54		
20	256QAM	1	49	17.37	17.40	17.48	17.34	17.27		
20	256QAM	1	99	17.35	17.39	17.52	17.42	17.48		
20	256QAM	50	0	17.67	17.67	17.70	17.58	17.65	19	2
20	256QAM	50	24	17.49	17.45	17.56	17.53	17.52		
20	256QAM	50	50	17.58	17.52	17.62	17.52	17.41		
20	256QAM	100	0	17.54	17.62	17.68	17.55	17.64		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2681.5		
15	QPSK	1	0	19.53	19.40	19.96	19.56	19.55	21	0
15	QPSK	1	37	19.47	19.53	19.62	19.48	19.45		
15	QPSK	1	74	19.52	19.47	19.59	19.59	19.40		
15	QPSK	36	0	19.50	19.45	19.79	19.47	19.54		
15	QPSK	36	20	19.61	19.41	19.58	19.49	19.56	21	0
15	QPSK	36	39	19.65	19.50	19.61	19.48	19.45		
15	QPSK	75	0	19.52	19.51	19.91	19.49	19.51		
15	16QAM	1	0	19.59	19.42	19.60	19.49	19.43		
15	16QAM	1	37	19.62	19.50	19.58	19.52	19.46	21	0
15	16QAM	1	74	19.51	19.46	19.81	19.46	19.60		
15	16QAM	36	0	19.54	19.46	19.62	19.54	19.46		
15	16QAM	36	20	19.45	19.51	19.57	19.49	19.46		
15	16QAM	36	39	19.49	19.44	19.81	19.38	19.53	21	0
15	16QAM	75	0	19.55	19.42	19.65	19.45	19.49		
15	64QAM	1	0	19.58	19.55	19.57	19.41	19.40		
15	64QAM	1	37	19.57	19.48	19.61	19.47	19.44		
15	64QAM	1	74	19.61	19.44	19.61	19.53	19.43	21	0
15	64QAM	36	0	19.52	19.53	19.62	19.56	19.40		
15	64QAM	36	20	19.63	19.52	19.85	19.49	19.60		
15	64QAM	36	39	19.61	19.57	19.60	19.43	19.56		
15	64QAM	75	0	19.46	19.54	19.56	19.47	19.54	19	2
15	256QAM	1	0	17.36	17.41	17.40	17.29	17.47		
15	256QAM	1	37	17.33	17.27	17.41	17.29	17.21		
15	256QAM	1	74	17.27	17.23	17.35	17.36	17.33		
15	256QAM	36	0	17.55	17.55	17.62	17.49	17.49	19	2
15	256QAM	36	20	17.33	17.28	17.47	17.39	17.41		
15	256QAM	36	39	17.40	17.44	17.42	17.39	17.28		
15	256QAM	75	0	17.40	17.49	17.63	17.43	17.55		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.62	19.40	19.86	19.49	19.63	21	0
10	QPSK	1	25	19.57	19.48	19.59	19.46	19.43		
10	QPSK	1	49	19.47	19.45	19.69	19.51	19.52		
10	QPSK	25	0	19.47	19.54	19.98	19.49	19.55		
10	QPSK	25	12	19.56	19.45	19.53	19.47	19.44	21	0
10	QPSK	25	25	19.51	19.43	19.53	19.50	19.55		
10	QPSK	50	0	19.56	19.51	19.82	19.44	19.44		
10	16QAM	1	0	19.49	19.42	19.72	19.49	19.50		
10	16QAM	1	25	19.57	19.50	19.69	19.54	19.41	21	0
10	16QAM	1	49	19.54	19.40	19.81	19.47	19.48		
10	16QAM	25	0	19.59	19.50	19.63	19.56	19.42		
10	16QAM	25	12	19.46	19.51	19.58	19.43	19.43		
10	16QAM	25	25	19.49	19.47	19.79	19.46	19.57	21	0
10	16QAM	50	0	19.51	19.43	19.61	19.52	19.49		
10	16QAM	50	0	19.53	19.51	19.48	19.43	19.41		
10	64QAM	1	25	19.56	19.50	19.82	19.47	19.55		
10	64QAM	1	49	19.57	19.50	19.54	19.52	19.49	21	0
10	64QAM	25	0	19.50	19.47	19.63	19.45	19.46		
10	64QAM	25	12	19.64	19.48	19.63	19.52	19.55		
10	64QAM	25	25	19.54	19.52	19.65	19.47	19.52		
10	64QAM	50	0	19.47	19.53	19.64	19.43	19.49	19	2
10	256QAM	1	0	17.44	17.38	17.40	17.37	17.38		
10	256QAM	1	25	17.31	17.26	17.36	17.24	17.23		
10	256QAM	1	49	17.29	17.29	17.32	17.35	17.29		
10	256QAM	25	0	17.58	17.61	17.57	17.46	17.54	19	2
10	256QAM	25	12	17.37	17.28	17.44	17.38	17.48		
10	256QAM	25	25	17.46	17.35	17.47	17.41	17.27		
10	256QAM	50	0	17.44	17.53	17.60	17.42	17.52		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2493.5	25418	2593	26430	2697.5		
5	QPSK	1	0	19.56	19.46	19.78	19.53	19.56	21	0
5	QPSK	1	12	19.51	19.57	19.61	19.44	19.53		
5	QPSK	1	24	19.49	19.47	19.54	19.54	19.51		
5	QPSK	12	0	19.57	19.44	19.69	19.53	19.49		
5	QPSK	12	7	19.55	19.42	19.60	19.44	19.54	21	0
5	QPSK	12	13	19.62	19.47	19.59	19.44	19.43		
5	QPSK	25	0	19.53	19.41	19.69	19.48	19.45		
5	16QAM	1	0	19.48	19.39	19.71	19.53	19.43		
5	16QAM	1	12	19.55	19.60	19.58	19.48	19.42	21	0
5	16QAM	1	24	19.62	19.47	19.84	19.43	19.51		
5	16QAM	12	0	19.59	19.47	19.65	19.49	19.53		
5	16QAM	12	7	19.52	19.58	19.56	19.43	19.48		
5	16QAM	12	13	19.53	19.47	19.87	19.47	19.55	21	0
5	16QAM	25	0	19.54	19.42	19.58	19.55	19.49		
5	64QAM	1	0	19.57	19.50	19.54	19.50	19.51		
5	64QAM	1	12	19.57	19.45	19.61	19.48	19.53		
5	64QAM	1	24	19.59	19.49	19.62	19.61	19.51	21	0
5	64QAM	12	0	19.57	19.45	19.60	19.56	19.45		
5	64QAM	12	7	19.55	19.45	19.67	19.46	19.49		
5	64QAM	12	13	19.59	19.47	19.65	19.42	19.57		
5	64QAM	25	0	19.47	19.49	19.57	19.50	19.49	19	2
5	256QAM	1	0	17.48	17.36	17.44	17.34	17.42		
5	256QAM	1	12	17.29	17.33	17.33	17.26	17.12		
5	256QAM	1	24	17.29	17.30	17.33	17.32	17.29		
5	256QAM	12	0	17.54	17.54	17				

Reduced Power Mode for Hotspot_ENDC&ULCA

Band 7 ENDC Ant6_Other PA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.83	21.19	20.95	22	0	
20	QPSK	1	49	20.82	20.90	20.81			
20	QPSK	1	99	20.98	20.98	20.88			
20	QPSK	50	0	20.83	21.16	20.88	22	0	
20	QPSK	50	24	20.70	20.94	20.91			
20	QPSK	50	50	20.85	20.91	20.93			
20	QPSK	100	0	21.02	21.17	20.96	22	0	
20	16QAM	1	0	20.76	21.03	20.77			
20	16QAM	1	49	20.98	21.10	20.95			
20	16QAM	1	99	20.86	21.10	21.06	22	0	
20	16QAM	50	0	20.93	21.02	20.92			
20	16QAM	50	24	20.80	20.87	20.74			
20	16QAM	50	50	20.85	20.90	20.78	22	0	
20	16QAM	100	0	20.94	20.99	20.85			
20	64QAM	1	0	20.91	21.06	20.92			
20	64QAM	1	49	20.84	20.91	20.85	22	0	
20	64QAM	1	99	20.95	21.03	20.95			
20	64QAM	50	0	19.93	20.07	20.00			
20	64QAM	50	24	19.95	20.03	19.93	21	1	
20	64QAM	50	50	19.88	20.00	19.96			
20	64QAM	100	0	19.93	19.98	19.90			
20	256QAM	1	0	17.67	17.80	17.75	19	3	
20	256QAM	1	49	17.70	17.74	17.67			
20	256QAM	1	99	17.60	17.68	17.53			
20	256QAM	50	0	17.98	18.03	17.92	19	3	
20	256QAM	50	24	17.92	17.99	17.92			
20	256QAM	50	50	17.85	17.99	17.92			
20	256QAM	100	0	17.90	18.01	17.96			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.89	21.14	20.84	22	0	
15	QPSK	1	37	20.70	20.85	20.73			
15	QPSK	1	74	21.03	20.86	20.81			
15	QPSK	36	0	20.75	21.07	20.92	22	0	
15	QPSK	36	20	20.71	20.93	20.77			
15	QPSK	36	39	20.78	20.75	20.84			
15	QPSK	75	0	21.07	21.11	21.03	22	0	
15	16QAM	1	0	20.75	21.08	20.64			
15	16QAM	1	37	20.88	21.13	20.95			
15	16QAM	1	74	20.84	21.12	21.05	22	0	
15	16QAM	36	0	20.90	20.96	20.83			
15	16QAM	36	20	20.66	20.75	20.70			
15	16QAM	36	39	20.78	20.81	20.72	22	0	
15	16QAM	75	0	20.67	20.96	20.72			
15	64QAM	1	0	20.87	20.98	20.83			
15	64QAM	1	37	20.81	20.84	20.73	22	0	
15	64QAM	1	74	20.85	20.96	20.92			
15	64QAM	36	0	19.81	19.95	19.91			
15	64QAM	36	20	19.81	19.98	19.85	21	1	
15	64QAM	36	39	19.81	19.94	19.89			
15	64QAM	75	0	19.85	19.89	19.81			
15	256QAM	1	0	17.63	17.72	17.64	19	3	
15	256QAM	1	37	17.66	17.85	17.55			
15	256QAM	1	74	17.56	17.82	17.42			
15	256QAM	36	0	17.85	17.94	17.84	19	3	
15	256QAM	36	20	17.82	17.86	17.81			
15	256QAM	36	39	17.81	17.90	17.80			
15	256QAM	75	0	17.87	17.92	17.84			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.70	21.06	20.96	22	0	
10	QPSK	1	25	20.79	20.87	20.71			
10	QPSK	1	49	21.05	21.02	20.84			
10	QPSK	25	0	20.69	21.03	20.84	22	0	
10	QPSK	25	12	20.72	20.88	20.89			
10	QPSK	25	25	20.73	20.80	20.80			
10	QPSK	50	0	20.97	21.03	20.92	22	0	
10	16QAM	1	0	20.71	20.97	20.81			
10	16QAM	1	25	20.88	21.00	20.86			
10	16QAM	1	49	20.74	21.03	21.09	22	0	
10	16QAM	25	0	20.82	20.98	20.86			
10	16QAM	25	12	20.69	20.83	20.68			
10	16QAM	25	25	20.80	20.77	20.64	22	0	
10	16QAM	50	0	20.86	20.92	20.73			
10	64QAM	1	0	20.81	20.95	20.81			
10	64QAM	1	25	20.81	20.77	20.72	22	0	
10	64QAM	1	49	20.80	20.91	20.82			
10	64QAM	25	0	19.79	19.95	19.87			
10	64QAM	25	12	19.86	19.94	19.85	21	1	
10	64QAM	25	25	19.80	19.88	19.83			
10	64QAM	50	0	19.81	19.93	19.76			
10	256QAM	1	0	17.56	17.76	17.69	19	3	
10	256QAM	1	25	17.57	17.66	17.63			
10	256QAM	1	49	17.53	17.56	17.42			
10	256QAM	25	0	17.85	17.90	17.86	19	3	
10	256QAM	25	12	17.83	17.90	17.81			
10	256QAM	25	25	17.70	17.86	17.79			
10	256QAM	50	0	17.85	17.89	17.84			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.79	21.11	20.98	22	0	
5	QPSK	1	12	20.88	20.82	20.66			
5	QPSK	1	24	20.92	20.97	20.75			
5	QPSK	12	0	20.74	21.17	20.90	22	0	
5	QPSK	12	7	20.71	20.91	20.98			
5	QPSK	12	13	20.77	20.90	20.80			
5	QPSK	25	0	20.88	21.12	20.84	22	0	
5	16QAM	1	0	20.67	20.99	20.84			
5	16QAM	1	12	20.84	20.94	20.78			
5	16QAM	1	24	20.83	21.10	21.00	22	0	
5	16QAM	12	0	20.82	20.90	20.86			
5	16QAM	12	7	20.76	20.80	20.71			
5	16QAM	12	13	20.75	20.82	20.70	22	0	
5	16QAM	25	0	20.89	20.86	20.78			
5	64QAM	1	0	20.82	21.01	20.81			
5	64QAM	1	12	20.80	20.85	20.79	22	0	
5	64QAM	1	24	20.82	20.94	20.85			
5	64QAM	12	0	19.81	19.96	19.90			
5	64QAM	12	7	19.84	19.90	19.85	21	1	
5	64QAM	12	13	19.84	19.88	19.86			
5	64QAM	25	0	19.87	19.85	19.77			
5	256QAM	1	0	17.59	17.73	17.64	19	3	
5	256QAM	1	12	17.62	17.64	17.63			
5	256QAM	1	24	17.56	17.54	17.42			
5	256QAM	12	0	17.87	17.95	17.80	19	3	
5	256QAM	12	7	17.86	17.94	17.85			
5	256QAM	12	13	17.72	17.86	17.86			
5	256QAM	25	0	17.82	17.90	17.86			

Band 4 Ant1_Other PA																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	22.73	22.80	22.72	23.5	0								
20	QPSK	1	40	22.62	22.69	22.58										
20	QPSK	1	80	22.75	22.83	22.64										
20	QPSK	50	0	22.70	22.79	22.67										
20	QPSK	50	24	22.65	22.73	22.60	23.5	0								
20	QPSK	50	50	22.61	22.64	22.54										
20	QPSK	100	0	22.73	22.74	22.72										
20	QPSK	100	0	22.74	22.73	22.70										
20	HQAM	1	40	22.70	22.75	22.64	23.5	0								
20	HQAM	1	56	22.78	22.81	22.45										
20	HQAM	50	0	22.91	23.00	22.97										
20	HQAM	50	24	22.87	22.92	22.58										
20	HQAM	50	50	22.80	22.82	22.79	23.5	0								
20	HQAM	100	0	22.86	23.00	22.93										
20	HQAM	1	0	22.83	22.91	22.84										
20	HQAM	1	40	22.73	22.85	22.75										
20	HQAM	1	56	22.68	22.76	22.58	22.5	1								
20	HQAM	50	0	21.96	21.96	21.94										
20	HQAM	50	50	21.85	21.98	21.93										
20	HQAM	100	0	21.84	21.83	21.87										
20	25QAM	1	0	19.40	19.43	19.37	20.5	3								
20	25QAM	1	40	19.43	19.53	19.42										
20	25QAM	1	80	19.45	19.54	19.48										
20	25QAM	36	0	19.50	19.50	19.46										
20	25QAM	50	24	19.56	19.52	19.87	20.5	3								
20	25QAM	50	50	19.64	19.54	19.89										
20	25QAM	100	0	19.62	19.52	19.87										
Channel																
Frequency (MHz)																
16	QPSK	1	0	22.49	22.76	22.62	23.5	0								
16	QPSK	1	37	22.62	22.63	22.61										
16	QPSK	1	74	22.49	22.65	22.44										
16	QPSK	36	0	22.53	22.72	22.66										
16	QPSK	36	24	22.60	22.62	22.60	23.5	0								
16	QPSK	36	36	22.52	22.63	22.51										
16	QPSK	75	0	22.43	22.77	22.59										
16	QPSK	75	0	22.43	22.65	22.64										
16	HQAM	1	37	22.56	22.74	22.50	23.5	0								
16	HQAM	1	74	22.44	22.63	22.61										
16	HQAM	36	0	22.77	22.90	22.91										
16	HQAM	36	20	22.79	22.82	22.81										
16	HQAM	36	36	22.77	22.81	22.81	23.5	0								
16	HQAM	75	0	22.72	22.95	22.88										
16	HQAM	1	0	22.76	22.76	22.77										
16	HQAM	1	37	22.63	22.76	22.68										
16	HQAM	1	74	22.50	22.64	22.55	22.5	1								
16	HQAM	36	0	21.94	21.90	21.94										
16	HQAM	36	20	21.83	21.84	21.86										
16	HQAM	36	36	21.50	21.54	21.55										
16	HQAM	75	0	21.71	21.74	21.82	20.5	3								
16	25QAM	1	0	19.41	19.42	19.42										
16	25QAM	1	37	19.53	19.41	19.28										
16	25QAM	1	74	19.56	19.48	19.43										
16	25QAM	36	0	19.73	19.80	19.76	20.5	3								
16	25QAM	36	20	19.81	19.87	19.84										
16	25QAM	36	36	19.78	19.89	19.80										
16	25QAM	75	0	19.66	19.46	19.37										
Channel																
Frequency (MHz)																
10	QPSK	1	0	22.47	22.71	22.40	23.5	0								
10	QPSK	1	25	22.53	22.70	22.55										
10	QPSK	1	40	22.58	22.54	22.49										
10	QPSK	25	0	22.64	22.68	22.66										
10	QPSK	25	12	22.58	22.65	22.54	23.5	0								
10	QPSK	25	25	22.53	22.66	22.50										
10	QPSK	50	0	22.44	22.76	22.60										
10	HQAM	1	0	22.48	22.72	22.65										
10	HQAM	1	25	22.60	22.72	22.55	23.5	0								
10	HQAM	1	40	22.47	22.60	22.47										
10	HQAM	25	0	22.58	22.93	22.92										
10	HQAM	25	0	22.58	22.93	22.92										
10	HQAM	25	12	22.63	22.77	22.80	23.5	0								
10	HQAM	25	25	22.68	22.80	22.64										
10	HQAM	50	0	22.73	22.93	22.82										
10	HQAM	1	0	22.80	22.82	22.80										
10	HQAM	1	25	22.62	22.71	22.67	23.5	0								
10	HQAM	1	40	22.59	22.64	22.63										
10	HQAM	25	0	21.86	21.94	21.95										
10	HQAM	25	12	21.77	21.90	21.76										
10	HQAM	25	25	21.83	21.93	21.87	22.5	1								
10	HQAM	50	0	21.66	21.81	21.77										
10	HQAM	1	0	19.36	19.55	19.46										
10	25QAM	1	25	19.34	19.39	19.28										
10	25QAM	1	40	19.33	19.47	19.45	20.5	3								
10	25QAM	25	0	19.62	19.65	19.70										
10	25QAM	25	12	19.62	19.80	19.75										
10	25QAM	25	25	19.75	19.80	19.79										
10	25QAM	50	0	19.75	19.85	19.83	20.5	3								
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.53	22.71	22.55	23.5	0								
5	QPSK	1	12	22.58	22.63	22.59										
5	QPSK	1	24	22.47	22.63	22.51										
5	QPSK	13	0	22.66	22.68	22.68										
5	QPSK	12	7	22.59	22.63	22.50	23.5	0								
5	QPSK	12	13	22.56	22.69	22.49										
5	QPSK	25	0	22.44	22.77	22.63										
5	HQAM	1	0	22.52	22.71	22.68										
5	HQAM	1	12	22.63	22.69	22.67	23.5	0								
5	HQAM	1	24	22.51	22.65	22.50										
5	HQAM	12	0	22.84	22.92	22.90										
5	HQAM	12	7	22.80	22.79	22.78										
5	HQAM	13	13	22.74	22.86	22.68	23.5	0								
5	HQAM	25	0	22.72	22.88	22.89										
5	HQAM	1	0	22.79	22.84	22.71										
5	HQAM	12	7	22.88												

Reduced Power Mode for Body-worn&Handheld

GSM900 Arid		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		126	186	261	Limit		126	186	261	Limit	
Frequency (MHz)		824.2	836.4	848.8	(dBm)		824.2	836.4	848.8	(dBm)	
GSM 1 Tx slot		31.84	31.92	31.81	33.00		22.84	22.92	22.81	24.00	
GPRS 1 Tx slot		31.79	31.89	31.75	33.00		22.79	22.89	22.75	24.00	
GPRS 2 Tx slots		29.60	29.69	29.66	31.00		23.60	23.69	23.66	25.00	
GPRS 3 Tx slots		28.14	28.26	28.18	29.50		23.88	24.00	23.92	25.24	
GPRS 4 Tx slots		26.36	26.42	26.27	27.50		23.36	23.42	23.27	24.50	
EDGE 1 Tx slot		25.87	25.83	25.72	27.00		16.87	16.83	16.72	18.00	
EDGE 2 Tx slots		23.65	23.78	23.69	25.00		17.65	17.78	17.69	19.00	
EDGE 3 Tx slots		22.12	22.35	22.29	23.50		17.86	18.09	18.03	19.24	
EDGE 4 Tx slots		20.88	20.95	20.78	22.00		17.88	17.95	17.78	19.00	

GSM1900 Arid		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1500.2	1500.0	1500.4	(dBm)		1500.2	1500	1500.4	(dBm)	
GSM 1 Tx slot		24.84	24.98	24.80	26.00		15.84	15.99	15.80	17.00	
GPRS 1 Tx slot		24.86	24.87	24.71	26.00		15.86	15.87	15.71	17.00	
GPRS 2 Tx slots		24.53	24.66	24.46	26.00		15.53	16.66	16.46	20.00	
GPRS 3 Tx slots		24.23	24.38	24.26	25.50		15.97	20.12	20.02	21.24	
GPRS 4 Tx slots		23.85	24.06	23.97	25.00		20.85	21.06	20.97	22.00	
EDGE 1 Tx slot		20.80	20.85	20.69	22.00		11.80	11.85	11.69	13.00	
EDGE 2 Tx slots		20.47	20.65	20.51	22.00		14.47	14.65	14.51	16.00	
EDGE 3 Tx slots		20.25	20.40	20.28	21.50		15.98	16.14	16.03	17.24	
EDGE 4 Tx slots		19.98	20.24	20.16	21.00		16.96	17.24	17.16	18.00	

Band		WCDMA II Arid			Tune-up		WCDMA IV Arid			Tune-up		WCDMA V Arid			Tune-up	
TX Channel		9262	9600	9538	Limit		1312	1413	1513	Limit		4132	4162	4233	Limit	
Rx Channel		9602	9800	9938	(dBm)		1537	1638	1738	(dBm)		4357	4407	4498	(dBm)	
Frequency (MHz)		1862.4	1860	1807.6			1712.4	1732.6	1752.6			826.4	836.4	846.6		
IGPP Rel 99 AMR 12.7Kbps		20.85	21.17	20.84	22.00		22.99	23.04	23.01	24.00		22.91	22.83	22.92	24.00	
IGPP Rel 99 RMC 12.2Kbps		20.99	21.23	20.90	22.00		23.04	23.12	23.06	24.00		23.00	23.05	23.01	24.00	
IGPP Rel 6 HSDPA Subtest-1		20.10	20.12	20.04	21.00		22.03	22.05	22.13	23.00		21.91	22.12	21.93	23.00	
IGPP Rel 6 HSDPA Subtest-2		19.86	20.20	19.94	21.00		22.12	21.94	22.21	23.00		22.05	22.05	22.05	23.00	
IGPP Rel 6 HSDPA Subtest-3		19.47	19.76	19.52	20.50		21.52	21.48	21.70	22.50		21.38	21.52	21.45	22.50	
IGPP Rel 6 HSDPA Subtest-4		19.57	19.68	19.47	20.50		21.55	21.51	21.65	22.50		21.53	21.51	21.59	22.50	
IGPP Rel 6 HSUPA Subtest-1		20.11	20.14	19.84	21.00		22.12	22.08	22.25	23.00		22.00	22.09	21.97	23.00	
IGPP Rel 6 HSUPA Subtest-2		17.93	18.21	17.90	19.00		19.98	20.06	20.28	21.00		20.04	19.98	19.92	21.00	
IGPP Rel 6 HSUPA Subtest-3		18.93	19.19	18.89	20.00		21.03	21.02	21.20	22.00		20.88	21.10	21.04	22.00	
IGPP Rel 6 HSUPA Subtest-4		17.94	18.24	17.84	19.00		19.98	19.95	20.24	21.00		19.97	19.98	19.89	21.00	
IGPP Rel 6 HSUPA Subtest-5		19.99	20.32	19.97	21.00		22.03	22.00	22.14	23.00		21.85	22.09	21.99	23.00	



Band 2 Ant0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	APR3 (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.09	18.12	19.88	21.5	0						
20	QPSK	1	49	20.07	18.03	19.87								
20	QPSK	1	99	19.92	19.91	19.81								
20	QPSK	50	0	19.00	19.04	19.86								
20	QPSK	50	24	19.77	19.65	19.84	20.5	1						
20	QPSK	50	50	19.75	19.95	19.82								
20	QPSK	100	0	18.68	19.02	19.88								
20	QPSK	100	0	19.05	19.15	19.78								
20	16QAM	1	49	19.09	19.22	19.12	20.5	1						
20	16QAM	1	99	19.10	19.12	19.19								
20	16QAM	50	0	17.94	18.11	19.07								
20	16QAM	50	24	18.00	17.96	17.96								
20	16QAM	50	50	18.01	17.99	17.96	19.5	2						
20	16QAM	100	0	17.82	17.99	17.96								
20	64QAM	1	0	17.97	18.28	18.15								
20	64QAM	1	49	18.09	18.11	18.10								
20	64QAM	50	0	16.93	17.02	18.04	18.5	3						
20	64QAM	50	24	16.90	17.02	18.03								
20	64QAM	50	50	16.91	17.00	18.03								
20	64QAM	100	0	16.07	16.96	18.00								
20	256QAM	1	49	15.01	15.04	15.04	18.5	5						
20	256QAM	1	99	14.98	15.02	14.92								
20	256QAM	50	0	14.90	14.95	14.93								
20	256QAM	50	24	14.95	14.94	15.00								
20	256QAM	50	50	14.97	14.99	14.93	18.5	5						
20	256QAM	100	0	14.88	14.96	14.96								
Channel														
Frequency (MHz)														
16	QPSK	1	0	19.09	19.08	19.79	21.5	0						
16	QPSK	1	37	19.03	19.03	19.73								
16	QPSK	1	74	19.81	19.77	19.75								
16	QPSK	36	0	18.96	18.95	18.83								
16	QPSK	36	20	19.73	19.85	19.80	20.5	1						
16	QPSK	36	39	19.71	19.89	19.79								
16	QPSK	75	0	18.98	18.99	18.82								
16	16QAM	1	0	18.99	19.11	19.05								
16	16QAM	1	37	19.02	19.15	19.05	20.5	1						
16	16QAM	1	74	19.80	19.81	19.80								
16	16QAM	36	0	17.80	18.03	17.99								
16	16QAM	36	20	17.86	17.87	17.89								
16	16QAM	36	39	17.80	17.87	17.83	19.5	2						
16	16QAM	75	0	17.71	17.87	17.83								
16	64QAM	1	0	17.91	18.25	18.11								
16	64QAM	1	37	18.06	18.07	18.06								
16	64QAM	1	74	17.98	18.02	18.01	18.5	3						
16	64QAM	36	0	16.87	16.89	16.76								
16	64QAM	36	20	16.86	16.86	16.86								
16	64QAM	36	39	16.91	16.75	16.91								
16	64QAM	75	0	16.93	16.90	16.89	16.5	5						
16	256QAM	1	0	15.01	15.01	15.01								
16	256QAM	1	37	14.99	14.97	14.99								
16	256QAM	1	74	14.88	14.88	14.87								
16	256QAM	36	0	14.88	14.88	14.88	16.5	5						
16	256QAM	36	20	14.98	14.79	14.87								
16	256QAM	36	39	14.83	14.83	14.78								
16	256QAM	75	0	14.83	14.83	14.83								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.09	19.97	19.95	21.5	0						
10	QPSK	1	25	19.98	20.02	19.97								
10	QPSK	1	49	19.83	19.79	19.77								
10	QPSK	25	0	19.48	19.49	19.48								
10	QPSK	25	12	19.71	19.82	19.71	20.5	1						
10	QPSK	25	25	19.72	19.85	19.70								
10	QPSK	50	0	18.97	19.00	18.82								
10	16QAM	1	0	19.03	19.12	19.09								
10	16QAM	1	25	19.08	19.15	19.04	20.5	1						
10	16QAM	1	49	19.07	19.08	19.07								
10	16QAM	25	0	17.81	18.01	18.02								
10	16QAM	25	12	17.80	17.83	17.87								
10	16QAM	30	0	17.80	18.01	18.01	19.5	2						
10	16QAM	50	0	17.68	17.91	17.79								
10	64QAM	1	0	17.85	18.24	18.10								
10	64QAM	1	25	17.85	18.07	18.03								
10	64QAM	1	49	17.99	18.04	18.05	18.5	3						
10	64QAM	25	0	16.88	16.92	16.77								
10	64QAM	25	12	16.88	16.96	16.82								
10	64QAM	25	25	16.91	16.85	16.87								
10	64QAM	50	0	16.92	16.90	16.89	16.5	5						
10	256QAM	1	0	14.95	14.95	14.95								
10	256QAM	1	25	14.85	14.90	14.87								
10	256QAM	1	49	14.89	14.95	14.85								
10	256QAM	25	0	14.92	14.90	14.88	16.5	5						
10	256QAM	25	12	14.85	14.79	14.96								
10	256QAM	25	25	14.90	14.89	14.88								
10	256QAM	50	0	14.75	14.82	14.85								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.02	19.90	19.87	21.5	0						
5	QPSK	1	12	19.98	20.02	19.79								
5	QPSK	1	24	19.78	19.86	19.74								
5	QPSK	12	0	19.82	19.84	19.73								
5	QPSK	12	7	19.68	19.90	19.74	20.5	1						
5	QPSK	12	13	19.72	19.85	19.74								
5	QPSK	25	0	18.48	18.48	18.43								
5	16QAM	1	0	19.96	19.14	19.11								
5	16QAM	1	12	19.95	19.13	19.08	20.5	1						
5	16QAM	1	24	19.98	19.03	19.08								
5	16QAM	12	0	17.85	18.08	17.96								
5	16QAM	12	7	17.95	17.88	17.83								
5	16QAM	12	13	17.89	17.95	17.87	19.5	2						
5	64QAM	1	0	17.76	17.91	17.82								
5	64QAM	1	0	17.67	18.16	18.03								
5	64QAM	1	12	18.02	18.01	18.11								
5	64QAM	1	24	18.02	18.06	18.06	18.5	3						
5	64QAM	12	0	16.86	16.95	16.79								
5	64QAM	12	7	16.85	16.89	16.82								
5	64QAM	12	13	16.89	16.81	16.99								
5	64QAM	25	0	16.89	16.85	16.76	16.5	5						
5	256QAM	1	0	14.96	14.96	14.84								
5	256QAM	1	12	14.94	14.92	14.96								
5	256QAM	1	24	14.92	14.89	14.85								
5	256QAM	12	0	14.91	14.91	14.89	16.5	5</						

Band 25 Ant0															
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPE (dB)							
				Low Ch./Freq.	Mid Ch./Freq.	High Ch./Freq.									
Channel															
1850 1860 1870															
20	QPSK	1	0	20.14	20.20	20.00	21.5	0							
20	QPSK	1	49	19.52	19.53	19.83									
20	QPSK	1	99	19.87	19.94	19.97									
20	QPSK	50	0	19.06	19.11	19.01									
20	QPSK	50	24	19.06	19.04	19.02	20.5	1							
20	QPSK	50	50	19.90	19.09	19.04									
20	QPSK	100	0	19.93	19.02	19.94									
20	16QAM	1	0	19.20	19.25	19.27									
20	16QAM	1	49	19.14	19.20	19.09	20.5	1							
20	16QAM	1	99	19.10	19.22	19.14									
20	16QAM	50	0	19.03	19.04	17.92									
20	16QAM	50	24	17.99	19.05	19.04									
20	16QAM	50	50	17.90	19.00	17.91	19.5	2							
20	16QAM	100	0	17.90	17.94	18.06									
20	64QAM	1	0	19.19	19.20	19.23									
20	64QAM	1	49	17.99	19.09	19.19									
20	64QAM	1	99	19.14	19.09	17.95	19.5	2							
20	64QAM	50	0	17.97	17.19	17.65									
20	64QAM	50	24	19.93	17.99	19.90									
20	64QAM	50	50	19.94	17.95	17.94									
20	64QAM	100	0	17.93	17.95	18.42	19.5	3							
20	64QAM	100	0	19.16	19.19	19.25									
20	256QAM	1	49	19.02	19.13	19.03									
20	256QAM	1	99	14.96	19.20	19.19									
20	256QAM	50	0	19.02	19.13	19.03	19.5	5							
20	256QAM	50	24	19.03	19.00	14.99									
20	256QAM	50	50	14.86	14.91	19.05									
20	256QAM	100	0	14.96	19.11	19.01									
Channel															
26115 26349 26515															
15	QPSK	1	0	1927.5	1980	1957.4	21.5	0							
15	QPSK	1	37	19.81	19.84	19.81									
15	QPSK	1	74	19.82	19.81	19.89									
15	QPSK	36	0	19.95	19.91	19.94									
15	QPSK	36	24	19.91	19.93	19.79	20.5	1							
15	QPSK	36	39	19.79	19.90	19.97									
15	16QAM	75	0	19.19	19.94	19.93									
15	16QAM	1	0	19.19	19.92	19.79									
15	16QAM	1	37	19.92	19.96	19.90	20.5	1							
15	16QAM	1	74	19.19	19.99	19.99									
15	16QAM	36	0	17.88	17.92	17.88									
15	16QAM	36	20	17.84	17.84	17.97									
15	64QAM	36	0	17.85	17.90	17.92	19.5	2							
15	64QAM	36	24	17.78	17.84	17.91									
15	64QAM	75	0	19.15	19.19	19.17									
15	64QAM	1	0	17.87	19.01	19.01									
15	64QAM	1	74	19.09	19.04	17.94	19.5	3							
15	64QAM	36	0	19.95	17.98	19.91									
15	64QAM	36	24	19.85	17.99	19.93									
15	64QAM	36	39	19.90	17.93	19.93									
15	64QAM	75	0	19.93	19.97	19.79	19.5	5							
15	256QAM	1	0	19.16	19.20	19.20									
15	256QAM	1	37	14.88	19.09	14.90									
15	256QAM	1	74	14.88	19.09	19.00									
15	256QAM	36	0	14.88	19.04	19.00	19.5	5							
15	256QAM	36	20	14.94	14.95	14.92									
15	256QAM	36	39	14.77	14.86	14.95									
15	256QAM	75	0	14.95	14.94	14.93									
Channel															
26565 26549 26546															
10	QPSK	1	0	1935	1980	1910	21.5	0							
10	QPSK	1	25	19.98	19.91	19.79									
10	QPSK	1	49	19.77	19.91	19.86									
10	QPSK	25	0	19.90	19.93	19.90									
10	QPSK	25	12	19.97	19.98	19.85	20.5	1							
10	QPSK	25	25	19.81	19.97	19.99									
10	16QAM	50	0	19.85	19.98	19.98									
10	16QAM	1	0	19.08	19.19	19.23									
10	16QAM	1	25	19.03	19.14	19.02	20.5	1							
10	16QAM	1	49	19.03	19.13	19.02									
10	16QAM	25	0	19.00	17.90	17.87									
10	16QAM	25	12	17.92	17.88	17.95									
10	16QAM	25	24	17.78	17.94	17.92	19.5	2							
10	16QAM	50	0	17.78	17.89	18.02									
10	64QAM	1	0	19.08	19.10	19.16									
10	64QAM	1	24	17.85	19.00	19.00									
10	64QAM	1	49	19.03	17.99	17.84	19.5	3							
10	64QAM	25	0	19.93	17.13	19.94									
10	64QAM	25	12	19.78	19.95	19.95									
10	64QAM	25	25	19.88	19.98	19.93									
10	64QAM	50	0	19.90	19.92	19.67	19.5	5							
10	256QAM	1	0	19.14	19.02	19.11									
10	256QAM	1	25	14.97	14.99	14.93									
10	256QAM	1	49	14.88	19.00	19.03									
10	256QAM	25	0	14.93	14.90	14.90	19.5	5							
10	256QAM	25	12	14.96	14.88	14.86									
10	256QAM	25	25	14.78	14.84	14.95									
10	256QAM	50	0	14.94	19.07	14.92									
Channel															
26665 26549 26665															
5	QPSK	1	0	1922.5	1980	1912.5	21.5	0							
5	QPSK	1	12	19.79	19.89	19.90									
5	QPSK	1	24	19.73	19.85	19.87									
5	QPSK	12	0	19.81	19.93	19.97									
5	QPSK	12	7	19.90	19.99	19.82	20.5	1							
5	QPSK	12	13	19.87	19.92	19.97									
5	QPSK	25	0	19.89	19.98	19.85									
5	16QAM	1	0	19.08	19.13	19.18									
5	16QAM	1	12	19.10	19.17	19.05	20.5	1							
5	16QAM	1	24	19.04	19.10	19.01									
5	16QAM	12	0	17.89	17.91	17.82									
5	16QAM	12	7	17.89	19.00	17.92									
5	16QAM	12	13	17.78	17.94	17.82	19.5	2							
5	16QAM	25	0	17.83	17.81	18.01									
5	64QAM	1	0	19.05	19.08	19.18									
5	64QAM	1	12	17.94	19.04	19.09									
5	64QAM	1	24	19.00	19.03	17.99	19.5	3							
5	64QAM	12	0	19.99	17.10	19.99									
5	64QAM	12	7	19.83	19.97	19.79									
5	64QAM	12	13	19.88	19.99	19.97									
5	64QAM	25	0	19.94	19.92	19.68	19.5	5							
5	256QAM	1	0	19.05	19.08	19.19									
5	256QAM	1	12	14.92	19.03	14.98									
5	256QAM	1	24	14.93	19.07	19.06									
5	256QAM	12	0	14.92	14.99	14.95	19.5	5							
5	256QAM	12	7	14.88	14.91	14.84									
5	256QAM	12	13	14.81	14.86	14.93									
5	256QAM	25	0	14.86	19.01	14.92									
Channel															
26665 26549 26676															
3	QPSK	1	0	20.08	20.07	19.91	21.5	0							
3	QPSK	1	8	19.87	19.87	19.83									
3	QPSK	1	14	19.72	19.88	19.87									
3	QPSK	8	0	19.92	19.90	19.90									
3	QPSK	8	4	19.92	19.90	19.82	20.5	1							
3	QPSK	8	7	19.77	19.92	19									

Band 38 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				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.28	20.35	20.22	21.5	0	
20	QPSK	1	49	20.19	20.20	20.18			
20	QPSK	1	99	20.07	20.16	20.08			
20	QPSK	50	0	19.22	19.28	19.24	20.5	1	
20	QPSK	50	24	19.16	19.19	19.21			
20	QPSK	50	50	19.18	19.10	19.03			
20	QPSK	100	0	19.13	19.17	19.07	20.5	1	
20	16QAM	1	0	19.19	19.40	19.29			
20	16QAM	1	49	19.12	19.28	19.24			
20	16QAM	1	99	19.17	19.31	19.15	19.5	2	
20	16QAM	50	0	18.18	18.29	18.28			
20	16QAM	50	24	18.06	18.21	18.03			
20	16QAM	50	50	18.15	18.26	18.03	19.5	2	
20	16QAM	100	0	18.11	18.22	18.08			
20	64QAM	1	0	17.98	18.00	18.03			
20	64QAM	1	49	17.99	18.08	17.95	18.5	3	
20	64QAM	1	99	18.08	18.04	18.02			
20	64QAM	50	0	17.20	17.36	17.17			
20	64QAM	50	24	17.16	17.17	17.10	16.5	5	
20	64QAM	50	50	17.16	17.16	17.25			
20	64QAM	100	0	17.23	17.23	17.23			
20	256QAM	1	0	15.01	15.33	15.14	16.5	5	
20	256QAM	1	49	15.01	15.21	15.06			
20	256QAM	1	99	15.18	15.22	15.00			
20	256QAM	50	0	15.32	15.34	15.21	16.5	5	
20	256QAM	50	24	15.12	15.12	15.05			
20	256QAM	50	50	15.19	15.26	15.11			
20	256QAM	100	0	15.16	15.30	15.24	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.20	20.30	20.18			
15	QPSK	1	37	20.05	20.07	20.15	21.5	0	
15	QPSK	1	74	19.93	20.12	19.95			
15	QPSK	36	0	19.11	19.20	19.18			
15	QPSK	36	20	19.11	19.08	19.07	20.5	1	
15	QPSK	36	39	19.11	19.01	18.95			
15	QPSK	75	0	18.98	19.03	18.94			
15	16QAM	1	0	19.15	19.29	19.22	20.5	1	
15	16QAM	1	37	19.08	19.17	19.17			
15	16QAM	1	74	19.12	19.17	19.08			
15	16QAM	36	0	18.14	18.18	18.24	19.5	2	
15	16QAM	36	20	17.94	18.10	17.96			
15	16QAM	36	39	18.09	18.20	17.91			
15	16QAM	75	0	17.99	18.18	17.99	19.5	2	
15	64QAM	1	0	17.90	17.91	17.88			
15	64QAM	1	37	17.94	17.97	17.83			
15	64QAM	1	74	17.99	17.99	17.88	18.5	3	
15	64QAM	36	0	17.09	17.25	17.11			
15	64QAM	36	20	17.10	17.08	16.97			
15	64QAM	36	39	17.08	17.02	17.12	16.5	5	
15	64QAM	75	0	17.13	17.14	17.11			
15	256QAM	1	0	14.92	15.27	15.05			
15	256QAM	1	37	14.87	15.11	15.02	16.5	5	
15	256QAM	1	74	15.14	15.15	14.85			
15	256QAM	36	0	15.19	15.22	15.12			
15	256QAM	36	20	15.07	15.03	14.93	16.5	5	
15	256QAM	36	39	15.11	15.20	15.02			
15	256QAM	75	0	15.09	15.22	15.10			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.22	20.28	20.10	21.5	0	
10	QPSK	1	25	20.09	20.13	20.09			
10	QPSK	1	49	19.93	20.03	20.02			
10	QPSK	25	0	19.12	19.17	19.18	20.5	1	
10	QPSK	25	12	19.04	19.05	19.07			
10	QPSK	25	25	19.15	19.02	18.94			
10	QPSK	50	0	19.08	19.02	19.03	20.5	1	
10	16QAM	1	0	19.04	19.35	19.18			
10	16QAM	1	25	18.98	19.14	19.11			
10	16QAM	1	49	19.07	19.23	19.03	19.5	2	
10	16QAM	25	0	18.03	18.21	18.14			
10	16QAM	25	12	18.02	18.11	17.93			
10	16QAM	25	25	18.10	18.18	17.98	19.5	2	
10	16QAM	50	0	17.97	18.18	17.97			
10	64QAM	1	0	17.89	17.94	17.97			
10	64QAM	1	25	17.92	17.98	17.85	18.5	3	
10	64QAM	1	49	17.99	17.96	17.89			
10	64QAM	25	0	17.10	17.23	17.12			
10	64QAM	25	12	17.10	17.13	16.96	16.5	5	
10	64QAM	25	25	17.06	17.04	17.16			
10	64QAM	50	0	17.19	17.19	17.17			
10	256QAM	1	0	14.89	15.21	15.08	16.5	5	
10	256QAM	1	25	14.88	15.13	14.93			
10	256QAM	1	49	15.05	15.12	14.87			
10	256QAM	25	0	15.27	15.20	15.07	16.5	5	
10	256QAM	25	12	14.99	15.01	14.94			
10	256QAM	25	25	15.09	15.19	15.00			
10	256QAM	50	0	15.07	15.20	15.17	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.18	20.29	20.09			
5	QPSK	1	12	20.10	20.06	20.03	21.5	0	
5	QPSK	1	24	19.95	20.12	20.05			
5	QPSK	12	0	19.19	19.16	19.17			
5	QPSK	12	7	19.04	19.14	19.09	20.5	1	
5	QPSK	12	13	19.04	18.96	18.96			
5	QPSK	25	0	19.08	19.04	18.97			
5	16QAM	1	0	19.10	19.35	19.22	20.5	1	
5	16QAM	1	12	18.99	19.24	19.12			
5	16QAM	1	24	19.10	19.18	19.05			
5	16QAM	12	0	18.04	18.23	18.23	19.5	2	
5	16QAM	12	7	17.98	18.11	17.90			
5	16QAM	12	13	18.05	18.13	17.94			
5	16QAM	25	0	18.01	18.13	17.94	19.5	2	
5	64QAM	1	0	17.86	17.88	17.88			
5	64QAM	1	12	17.88	17.93	17.84			
5	64QAM	1	24	17.98	17.95	17.88	18.5	3	
5	64QAM	12	0	17.12	17.29	17.13			
5	64QAM	12	7	17.05	17.03	16.98			
5	64QAM	12	13	17.07	17.06	17.15	16.5	5	
5	64QAM	25	0	17.11	17.11	17.17			
5	256QAM	1	0	14.93	15.22	15.03			
5	256QAM	1	12	14.94	15.17	15.00	16.5	5	
5	256QAM	1	24	15.12	15.19	14.91			
5	256QAM	12	0	15.21	15.30	15.08			
5	256QAM	12	7	15.03	15.03	14.93	16.5	5	
5	256QAM	12	13	15.11	15.22	15.07			
5	256QAM	25	0	15.04	15.25	15.15			

Band 38 HPUE 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				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.25	23.29	23.20	24.5	0	
20	QPSK	1	49	23.23	23.27	23.12			
20	QPSK	1	99	23.10	23.18	23.06			
20	QPSK	50	0	22.22	22.31	22.14	23.5	1	
20	QPSK	50	24	22.16	22.15	22.13			
20	QPSK	50	50	22.11	22.18	22.06			
20	QPSK	100	0	22.04	22.22	22.12	23.5	1	
20	16QAM	1	0	22.32	22.35	22.37			
20	16QAM	1	49	22.36	22.32	22.15			
20	16QAM	1	99	22.16	22.24	22.22	22.5	2	
20	16QAM	50	0	21.29	21.33	21.21			
20	16QAM	50	24	21.27	21.35	21.21			
20	16QAM	50	50	21.09	21.24	21.12	21.5	3	
20	16QAM	100	0	21.30	21.31	21.26			
20	64QAM	1	0	21.33	21.44	21.41			
20	64QAM	1	49	21.33	21.42	21.30	22.5	2	
20	64QAM	1	99	21.40	21.44	21.27			
20	64QAM	50	0	20.29	20.29	20.22			
20	64QAM	50	24	20.10	20.27	20.18	19.5	5	
20	64QAM	50	50	20.14	20.30	20.19			
20	64QAM	100	0	20.15	20.32	20.20			
20	256QAM	1	0	18.25	18.38	18.23	19.5	5	
20	256QAM	1	49	18.25	18.41	18.26			
20	256QAM	1	99	18.15	18.31	18.15			
20	256QAM	50	0	18.34	18.44	18.38	19.5	5	
20	256QAM	50	24	18.21	18.25	18.18			
20	256QAM	50	50	18.25	18.27	18.30			
20	256QAM	100	0	18.03	18.27	18.21			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.18	23.22	23.11	24.5	0	
15	QPSK	1	37	23.19	23.17	22.99			
15	QPSK	1	74	22.97	23.07	22.92			
15	QPSK	36	0	22.14	22.26	22.04	23.5	1	
15	QPSK	36	20	22.10	22.01	22.09			
15	QPSK	36	39	22.06	22.11	21.94			
15	QPSK	75	0	21.96	22.12	22.08	23.5	1	
15	16QAM	1	0	22.18	22.32	22.34			
15	16QAM	1	37	22.27	22.18	22.02			
15	16QAM	1	74	22.11	22.13	22.08	22.5	2	
15	16QAM	36	0	21.21	21.24	21.07			
15	16QAM	36	20	21.20	21.31	21.11			
15	16QAM	36	39	20.95	21.12	21.05	22.5	2	
15	16QAM	75	0	21.16	21.18	21.18			
15	64QAM	1	0	21.21	21.40	21.31			
15	64QAM	1	37	21.22	21.29	21.16	22.5	2	
15	64QAM	1	74	21.29	21.34	21.20			
15	64QAM	36	0	20.18	20.15	20.19			
15	64QAM	36	20	19.96	20.14	20.07	21.5	3	
15	64QAM	36	39	20.06	20.26	20.13			
15	64QAM	75	0	20.04	20.28	20.08			
15	256QAM	1	0	18.21	18.23	18.15	19.5	5	
15	256QAM	1	37	18.07	18.17	18.22			
15	256QAM	36	0	18.27	18.35	18.31			
15	256QAM	36	20	18.12	18.15	18.08	19.5	5	
15	256QAM	36	39	18.13	18.18	18.23			
15	256QAM	75	0	17.98	18.15	18.15			
Channel				37700	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.12	23.21	23.16	24.5	0	
10	QPSK	1	25	23.08	23.16	23.08			
10	QPSK	1	49	22.99	23.12	22.95			
10	QPSK	25	0	22.07	22.18	22.09	23.5	1	
10	QPSK	25	12	22.02	22.03	22.09			
10	QPSK	25	25	22.04	22.09	21.95			
10	QPSK	50	0	21.97	22.17	22.05	23.5	1	
10	16QAM	1	0	22.18	22.21	22.28			
10	16QAM	1	25	22.29	22.24	22.09			
10	16QAM	1	49	22.13	22.19	22.16	22.5	2	
10	16QAM	25	0	21.21	21.18	21.07			
10	16QAM	25	12	21.15	21.30	21.11			
10	16QAM	25	25	20.98	21.17	20.98	22.5	2	
10	16QAM	50	0	21.26	21.25	21.20			
10	64QAM	1	0	21.26	21.30	21.36			
10	64QAM	1	25	21.22	21.33	21.18	22.5	2	
10	64QAM	1	49	21.33	21.30	21.12			
10	64QAM	25	0	20.23	20.26	20.15			
10	64QAM	25	12	20.00	20.19	20.06	21.5	3	
10	64QAM	25	25	20.08	20.15	20.11			
10	64QAM	50	0	20.12	20.20	20.14			
10	256QAM	1	0	18.17	18.24	18.16	19.5	5	
10	256QAM	1	25	18.17	18.34	18.21			
10	256QAM	1	49	18.12	18.20	18.11			
10	256QAM	25	0	18.24	18.41	18.29	19.5	5	
10	256QAM	25	12	18.10	18.17	18.12			
10	256QAM	25	25	18.11	18.18	18.23			
10	256QAM	50	0	18.00	18.19	18.14			
Channel				3777.5	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.11	23.16	23.05	24.5	0	
5	QPSK	1	12	23.19	23.14	23.00			
5	QPSK	1	24	22.98	23.08	22.92			
5	QPSK	12	0	22.16	22.21	22.07	23.5	1	
5	QPSK	12	7	22.13	22.03	22.04			
5	QPSK	12	13	22.01	22.11	21.96			
5	QPSK	25	0	21.99	22.15	22.08	23.5	1	
5	16QAM	1	0	22.22	22.32	22.20			
5	16QAM	1	12	22.26	22.22	22.07			
5	16QAM	1	24	22.04	22.19	22.18	22.5	2	
5	16QAM	12	0	21.24	21.23	21.11			
5	16QAM	12	7	21.15	21.20	21.11			
5	16QAM	12	13	20.95	21.14	21.06	22.5	2	
5	16QAM	25	0	21.18	21.20	21.14			
5	64QAM	1	0	21.29	21.39	21.37			
5	64QAM	1	12	21.28	21.38	21.24	22.5	2	
5	64QAM	1	24	21.31	21.31	21.18			
5	64QAM	12	0	20.18	20.16	20.14			
5	64QAM	12	7	20.06	20.24	20.12	21.5	3	
5	64QAM	12	13	20.08	20.27	20.13			
5	64QAM	25	0	20.01	20.25	20.08			
5	256QAM	1	0	18.19	18.25	18.11	19.5	5	
5	256QAM	1	12	18.11	18.32	18.12			
5	256QAM	1	24	18.04	18.25	18.02			
5	256QAM	12	0	18.25	18.37	18.27	19.5	5	
5	256QAM	12	7	18.13	18.20	18.04			
5	256QAM	12	13	18.12	18.23	18.26			
5	256QAM	25	0	17.89	18.15	18.09			

Band 41 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)				39750	40185	40620	41055	41490			
				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	20.19	20.06	20.35	20.12	20.12	21.5	0	
20	QPSK	1	49	20.15	20.08	20.24	20.13	20.16			
20	QPSK	1	99	20.19	20.09	20.25	20.14	20.13			
20	QPSK	50	0	19.17	19.22	19.24	19.17	19.21	20.5	1	
20	QPSK	50	24	19.07	19.10	19.20	19.21	19.13			
20	QPSK	50	50	19.16	19.14	19.16	19.15	19.03			
20	QPSK	100	0	19.12	19.26	19.36	19.26	19.16	20.5	1	
20	16QAM	1	0	19.39	19.36	19.49	19.35	19.24			
20	16QAM	1	49	19.23	19.39	19.39	19.19	19.24			
20	16QAM	1	99	19.26	19.20	19.31	19.16	19.39	19.5	2	
20	16QAM	50	0	18.21	18.29	18.30	18.20	18.24			
20	16QAM	50	24	18.10	18.09	18.19	18.10	18.09			
20	16QAM	50	50	18.17	18.15	18.09	18.08	18.06	18.5	3	
20	16QAM	100	0	18.36	18.28	18.32	18.29	18.24			
20	64QAM	1	0	18.14	18.09	18.13	18.14	18.10			
20	64QAM	1	49	17.94	18.01	18.14	17.97	17.97	19.5	2	
20	64QAM	1	99	18.02	17.98	18.05	17.99	17.96			
20	64QAM	50	0	17.32	17.38	17.34	17.26	17.33			
20	64QAM	50	24	17.24	17.19	17.25	17.13	17.25	16.5	5	
20	64QAM	50	50	17.19	17.28	17.36	17.18	17.10			
20	64QAM	100	0	17.22	17.25	17.37	17.24	17.29			
20	256QAM	1	0	15.20	15.24	15.21	15.09	15.18	16.5	5	
20	256QAM	1	49	15.07	15.13	15.17	15.06	14.95			
20	256QAM	1	99	15.07	15.11	15.19	15.20	15.18			
20	256QAM	50	0	15.37	15.41	15.37	15.26	15.34	16.5	5	
20	256QAM	50	24	15.13	15.12	15.29	15.17	15.24			
20	256QAM	50	50	15.27	15.25	15.25	15.22	15.14			
20	256QAM	100	0	15.28	15.30	15.31	15.22	15.38	Tune-up limit (dBm) MPR (dB)		
Frequency (MHz)				39725	40173	40620	41068	41515			
				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	20.09	19.95	20.33	20.00	20.05	22	0	
15	QPSK	1	37	20.08	20.03	20.17	20.07	20.05			
15	QPSK	1	74	20.13	20.05	20.17	20.08	20.02			
15	QPSK	36	0	19.12	19.14	19.12	19.03	19.12	20.5	1	
15	QPSK	36	20	19.02	19.03	19.11	19.09	19.07			
15	QPSK	36	39	19.03	19.00	19.11	19.04	18.91			
15	QPSK	75	0	18.99	19.14	19.22	19.17	19.02	20.5	1	
15	16QAM	1	0	19.28	19.26	19.40	19.23	19.18			
15	16QAM	1	37	19.12	19.27	19.32	19.11	19.15			
15	16QAM	1	74	19.17	19.10	19.20	19.08	19.25	19.5	2	
15	16QAM	36	0	18.10	18.26	18.25	18.14	18.10			
15	16QAM	36	20	17.96	17.95	18.05	18.01	18.02			
15	16QAM	36	39	18.13	18.04	17.99	17.95	17.93	19.5	2	
15	16QAM	75	0	18.26	18.17	18.26	18.26	18.12			
15	64QAM	1	0	18.11	18.06	18.07	18.02	18.01			
15	64QAM	1	37	17.87	17.94	18.08	17.90	17.88	19.5	2	
15	64QAM	1	74	17.97	17.89	18.00	17.92	17.86			
15	64QAM	36	0	17.29	17.33	17.20	17.17	17.20			
15	64QAM	36	20	17.13	17.07	17.11	17.04	17.13	18.5	3	
15	64QAM	36	39	17.14	17.14	17.29	17.04	16.99			
15	64QAM	75	0	17.09	17.20	17.23	17.20	17.23			
15	256QAM	1	0	15.14	15.11	15.14	15.04	15.10	16.5	5	
15	256QAM	1	37	14.93	15.00	15.13	14.96	14.84			
15	256QAM	1	74	14.93	14.99	15.13	15.13	15.06			
15	256QAM	36	0	15.32	15.27	15.25	15.22	15.28	16.5	5	
15	256QAM	36	20	14.99	15.00	15.19	15.08	15.10			
15	256QAM	36	39	15.15	15.16	15.11	15.12	15.10			
15	256QAM	75	0	15.19	15.26	15.20	15.19	15.29	Tune-up limit (dBm) MPR (dB)		
Frequency (MHz)				39700	40160	40620	41080	41540			
				2501	2547	2593	2639	2685			
10	QPSK	1	0	20.07	19.92	20.31	20.02	20.07	21.50	0	
10	QPSK	1	25	20.11	19.98	20.17	20.01	20.04			
10	QPSK	1	49	20.06	20.06	20.13	20.02	19.98			
10	QPSK	25	0	19.03	19.18	19.19	19.07	19.10	20.5	1	
10	QPSK	25	12	19.01	19.06	19.07	19.07	19.05			
10	QPSK	25	25	19.12	19.10	19.12	19.10	18.93			
10	QPSK	50	0	19.01	19.22	19.25	19.20	19.11	20.5	1	
10	16QAM	1	0	19.36	19.30	19.38	19.28	19.15			
10	16QAM	1	25	19.16	19.25	19.34	19.15	19.16			
10	16QAM	1	49	19.22	19.06	19.28	19.10	19.28	19.5	2	
10	16QAM	25	0	18.14	18.22	18.26	18.14	18.17			
10	16QAM	25	12	17.98	17.96	18.12	17.98	18.02			
10	16QAM	25	25	18.05	18.06	18.06	18.03	17.95	19.5	2	
10	16QAM	50	0	18.30	18.25	18.29	18.17	18.13			
10	64QAM	1	0	18.02	18.02	18.00	18.10	17.98			
10	64QAM	1	25	17.87	17.89	18.08	17.84	17.92	19.5	2	
10	64QAM	1	49	17.91	17.88	18.00	17.91	17.84			
10	64QAM	25	0	17.25	17.35	17.31	17.17	17.27			
10	64QAM	25	12	17.18	17.07	17.12	17.07	17.13	18.5	3	
10	64QAM	25	25	17.14	17.24	17.27	17.05	17.02			
10	64QAM	50	0	17.13	17.15	17.29	17.16	17.17			
10	256QAM	1	0	15.07	15.18	15.17	14.98	15.10	16.5	5	
10	256QAM	1	25	15.02	14.99	15.02	14.96	14.92			
10	256QAM	1	49	14.94	15.00	15.12	15.15	15.06			
10	256QAM	25	0	15.32	15.28	15.33	15.15	15.30	16.5	5	
10	256QAM	25	12	15.07	15.03	15.16	15.04	15.16			
10	256QAM	25	25	15.15	15.12	15.17	15.09	15.02			
10	256QAM	50	0	15.16	15.26	15.26	15.17	15.35	Tune-up limit (dBm) MPR (dB)		
Frequency (MHz)				39675	40148	40620	41093	41565			
				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	20.13	19.93	20.34	20.09	20.07	21.50	0	
5	QPSK	1	12	20.07	20.02	20.12	20.02	20.02			
5	QPSK	1	24	20.09	20.06	20.15	20.05	20.09			
5	QPSK	12	0	19.12	19.17	19.19	19.02	19.18	20.5	1	
5	QPSK	12	7	19.01	19.06	19.13	19.14	19.04			
5	QPSK	12	13	19.05	19.08	19.06	19.08	18.99			
5	QPSK	25	0	18.99	19.18	19.28	19.13	19.07	20.5	1	
5	16QAM	1	0	19.25	19.31	19.45	19.27	19.14			
5	16QAM	1	12	19.13	19.36	19.31	19.15	19.16			
5	16QAM	1	24	19.17	19.07	19.20	19.06	19.33	19.5	2	
5	16QAM	12	0	18.15	18.19	18.26	18.08	18.20			
5	16QAM	12	7	17.97	18.04	18.13	18.03	17.96			
5	16QAM	12	13	18.13	18.10	17.96	18.05	17.92	19.5	2	
5	16QAM	25	0	18.30	18.15	18.22	18.22	18.09			
5	64QAM	1	0	18.03	18.04	18.05	18.02	18.03			
5	64QAM	1	12	17.87	17.90	18.10	17.86	17.92	19.5	2	
5	64QAM	1	24	17.90	17.86	18.00	17.91	17.92			
5	64QAM	12	0	17.28	17.28	17.30	17.19	17.29			
5	64QAM	12	7	17.18	17.08	17.13	17.06	17.13	18.5	3	
5	64QAM	12	13	17.13	17.20	17.29	17.03	17.01			
5	64QAM	25	0	17.15	17.18	17.34	17.20	17.22			
5	256QAM	1	0	15.13	1						

Uplink CA Power

Ant 0 Full Power								
CA_38C								
Combination 20MHz+20MHz (1RB+99RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.71	24.00
37901	38099	QPSK	1	99	1	0	22.76	24.00
38150	37952	QPSK	1	0	1	99	22.66	24.00

Ant 0 Full Power HPUE								
CA_38C								
Combination 20MHz+20MHz (1RB+99RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	25.63	27.00
37901	38099	QPSK	1	99	1	0	25.71	27.00
38150	37952	QPSK	1	0	1	99	25.60	27.00

Ant 0 Full Power								
CA_41C								
Combination 20MHz+20MHz (1RB+99RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.61	24.00
40185	40383	QPSK	1	99	1	0	22.53	24.00
40620	40818	QPSK	1	99	1	0	22.95	24.00
41055	41253	QPSK	1	99	1	0	22.50	24.00
41490	41292	QPSK	1	0	1	99	22.64	24.00

Ant 0 Full Power HPUE								
CA_41C								
Combination 20MHz+20MHz (1RB+99RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.83	24.00
40185	40383	QPSK	1	99	1	0	22.68	24.00
40620	40818	QPSK	1	99	1	0	23.03	24.00
41055	41253	QPSK	1	99	1	0	22.77	24.00
41490	41292	QPSK	1	0	1	99	22.79	24.00

Ant 0 Full Power								
CA_66C								
Combination 20MHz+20MHz (1RB+99RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.41	24.00
132322	132520	QPSK	1	99	1	0	22.56	24.00
132572	132374	QPSK	1	0	1	99	22.42	24.00

Ant 8 Full Power								
CA_42C_Part 27Q								
Combination 20MHz+20MHz (1RB+99RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	23.56	24.50
42590	42788	QPSK	1	99	1	0	23.68	24.50
42990	42792	QPSK	1	0	1	99	23.50	24.50

Ant 8 Full Power HPUE								
CA_42C_Part 27Q								
Combination 20MHz+20MHz (1RB+99RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	23.78	24.50
42590	42788	QPSK	1	99	1	0	23.83	24.50
42990	42792	QPSK	1	0	1	99	23.80	24.50

Ant 8 Full Power								
CA_42C_Part96								
Combination 20MHz+20MHz (1RB+99RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
43190	43388	QPSK	1	99	1	0	23.41	24.50
43241	43439	QPSK	1	99	1	0	23.57	24.50
43490	43292	QPSK	1	0	1	99	23.39	24.50

Ant 8 Full Power HPUE								
CA_42C_Part96								
Combination 20MHz+20MHz (1RB+99RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
43190	43388	QPSK	1	99	1	0	23.67	24.50
43241	43439	QPSK	1	99	1	0	23.77	24.50
43490	43292	QPSK	1	0	1	99	23.61	24.50

Ant 8 Full Power								
CA_48C								
Combination 20MHz+20MHz (1RB+99RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	20.11	21.00
55830	56028	QPSK	1	99	1	0	23.72	24.50
56150	56348	QPSK	1	99	1	0	20.01	21.00
56640	56442	QPSK	1	0	1	99	20.19	21.00

Ant 0 DSI3&6

CA_38C							
Combination 20MHz+20MHz (1RB+99RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	20.01
37901	38099	QPSK	1	99	1	0	20.02
38150	37952	QPSK	1	0	1	99	20.10

Ant 0 DSI3&6 HPUE

CA_38C							
Combination 20MHz+20MHz (1RB+99RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	23.12
37901	38099	QPSK	1	99	1	0	23.21
38150	37952	QPSK	1	0	1	99	23.05

Ant 0 DSI3&6

CA_41C							
Combination 20MHz+20MHz (1RB+99RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	20.01
40185	40383	QPSK	1	99	1	0	19.95
40620	40818	QPSK	1	99	1	0	20.12
41055	41253	QPSK	1	99	1	0	20.05
41490	41292	QPSK	1	0	1	99	20.03

Ant 0 DSI3&6 HPUE

CA_41C							
Combination 20MHz+20MHz (1RB+99RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	20.11
40185	40383	QPSK	1	99	1	0	20.10
40620	40818	QPSK	1	99	1	0	20.32
41055	41253	QPSK	1	99	1	0	20.03
41490	41292	QPSK	1	0	1	99	20.00

Ant 0 DSI7

CA_38C							
Combination 20MHz+20MHz (1RB+99RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	19.44
37901	38099	QPSK	1	99	1	0	19.51
38150	37952	QPSK	1	0	1	99	19.48

Ant 0 DSI7 HPUE

CA_38C							
Combination 20MHz+20MHz (1RB+99RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	22.58
37901	38099	QPSK	1	99	1	0	22.66
38150	37952	QPSK	1	0	1	99	22.50

Ant 0 DSI7

CA_41C							
Combination 20MHz+20MHz (1RB+99RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	19.50
40185	40383	QPSK	1	99	1	0	19.46
40620	40818	QPSK	1	99	1	0	19.57
41055	41253	QPSK	1	99	1	0	18.54
41490	41292	QPSK	1	0	1	99	19.52

Ant 0 DSI7 HPUE

CA_41C							
Combination 20MHz+20MHz (1RB+99RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	19.55
40185	40383	QPSK	1	99	1	0	19.59
40620	40818	QPSK	1	99	1	0	19.73
41055	41253	QPSK	1	99	1	0	19.52
41490	41292	QPSK	1	0	1	99	19.51

Ant 0 DSI3&7&6

CA_66C							
Combination 20MHz+20MHz (1RB+99RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
132072	132270	QPSK	1	99	1	0	20.48
132322	132520	QPSK	1	99	1	0	20.70
132572	132374	QPSK	1	0	1	99	20.51

Downlink CA Power

2CA DL

CA List	PCC										SCC					Power	
	LTE	BW	BW	UL	UL	UL#	UL	UL#	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Ant	Freq (MHz)	Channel	Mod.	RB	RB Offset			Band	Freq (MHz)	Channel			Tx Power (dbm)	Tx Power (dbm)	
CA_2A-17A	Band 2	Ant0	10M	1880	18900	QPSK	1	0		Band 17	10M	740	5790		22.55	22.64	
	Band 2	Ant1	10M	1880	18900	QPSK	1	0		Band 17	10M	740	5790		21.74	21.81	
	Band 17	Ant0	10M	710	23790	QPSK	1	0		Band 2	10M	1960	900		23.49	23.57	
CA_2A-29A	Band 17	Ant1	10M	710	23790	QPSK	1	0		Band 2	10M	1960	900		23.66	23.73	
	Band 2	Ant0	10M	1880	18900	QPSK	1	0		Band 29	10M	722.5	9715		22.99	22.64	
	Band 2	Ant1	10M	1880	18900	QPSK	1	0		Band 29	10M	722.5	9715		21.67	21.80	
CA_4A-17A	Band 4	Ant0	10M	1732.5	20175	QPSK	1	0		Band 17	10M	740	5790		22.55	22.63	
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0		Band 17	10M	740	5790		21.63	21.82	
	Band 17	Ant0	10M	710	23790	QPSK	1	0		Band 4	10M	2132.5	2175		23.42	23.57	
CA_4A-29A	Band 17	Ant1	10M	710	23790	QPSK	1	0		Band 4	20M	2132.5	2175		23.64	23.73	
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0		Band 29	10M	722.5	9715		22.58	22.63	
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0		Band 29	10M	722.5	9715		21.75	21.82	
CA_5A-7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100		22.50	22.55	
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100		22.46	22.60	
	Band 7	Ant0	20M	2535	21100	QPSK	1	0		Band 5	10M	881.5	2525		22.68	22.74	
CA_7B	Band 7	Ant0	10M	2535	21100	QPSK	1	0		Band 7	5M	2544.3	3193		22.64	22.74	
CA_7C	Band 7	Ant0	20M	2535	21100	QPSK	1	0		Band 7	20M	2544.8	3298		22.63	22.74	
CA_7A-7A	Band 7	Ant0	20M	2535	21100	QPSK	1	0		Band 7	5M	2697.5	3425		22.56	22.74	
CA_12A-12A	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	743.5	5155		22.66	22.77	
CA_12B	Band 12	Ant1	5M	707.5	23095	QPSK	1	0		Band 12	5M	743.5	5155		22.61	22.79	
	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		22.65	22.77	
	Band 12	Ant1	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		22.72	22.76	
CA_25A-25A	Band 25	Ant0	10M	1960	26340	QPSK	1	0		Band 25	5M	1991.7	6457		22.91	22.96	
	Band 25	Ant1	20M	1960	26340	QPSK	1	0		Band 25	5M	1991.7	6457		21.74	21.83	
CA_38C	Band 38	Ant0	20M	2560	37690	QPSK	1	0		Band 38	20M	2599.8	38048		22.75	22.82	
CA_41A-41A	Band 41	Ant0	20M	2593	40620	QPSK	1	0		Band 41	5M	2697.5	41565		22.81	22.97	
CA_41A-42A	Band 41	Ant0	20M	2593	40620	QPSK	1	0		Band 42	20M	3500	42590		22.81	22.97	
CA_41A-48A	Band 41	Ant0	20M	2593	40620	QPSK	1	0		Band 48	20M	3609	65830		22.84	22.97	
CA_42C	Band 42	Ant0	20M	3500	42590	QPSK	1	0		Band 42	20M	3519.8	42788		23.61	23.73	
CA_48B	Band 48	Ant8	10M	3608	59990	QPSK	1	0		Band 48	10M	3617.3	56089		23.65	23.80	



3CA DL

3CA List	POC										SCC1										SCC2										Power																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	LTE		BW		BW		UL		UL#		UL		DL Antenna Configuration		LTE		BW		BW		UL		UL#		UL		DL Antenna Configuration		LTE		BW		BW		UL		UL#		UL		DL Antenna Configuration		With CA	Without CA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Band	Ant	Freq (MHz)	Channel	Mod.	RB	RB Offset	RB	RB Offset	DL Antenna Configuration	Band	Ant	Freq (MHz)	Channel	Mod.	RB	RB Offset	DL Antenna Configuration	Band	Ant	Freq (MHz)	Channel	Mod.	RB	RB Offset	DL Antenna Configuration	Band	Ant	Freq (MHz)	Channel	Mod.	RB	RB Offset	DL Antenna Configuration	Band	Ant	Freq (MHz)	Channel	Mod.	RB	RB Offset	DL Antenna Configuration	Tx Power (dBm)	Tx Power (dBm)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
CA_2A-2A-13A	Band 2	Ant0	20M	1880	18900	QPSK	1	0			Band 2	Ant0	20M	1880	18900	QPSK	1	0		Band 13	Ant0	10M	751	5230																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											



3CA List	PCC								SCC1					SCC2				Power		
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	
	Band	Ant	Ant	Freq. (MHz)	Channel (MHz)	Mod.	RB	RB Offset	Band	Ant	Freq. (MHz)	Channel (MHz)	Mod.	Band	Ant	Freq. (MHz)	Channel (MHz)	Mod.	Tx Power (dBm)	
CA_4A-5A-30A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		22.46	22.63
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		21.63	21.82
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820		Band 4	20M	2132.5	2175		22.47	22.55
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820		Band 4	20M	2132.5	2175		22.42	22.60
	Band 30	Ant0	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175		Band 5	10M	881.5	2525		22.37	22.46
CA_4A-7A-12A	Band 30	Ant1	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175		Band 5	10M	881.5	2525		20.89	20.83
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100		Band 12	10M	737.5	5095		22.50	22.63
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100		Band 12	10M	737.5	5095		21.77	21.82
	Band 7	Ant0	20M	2655	21100	QPSK	1	0	Band 12	10M	737.5	5095		Band 4	20M	2132.5	2175		22.63	22.74
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0	Band 4	20M	2132.5	2175		Band 7	20M	2655	3100		22.58	22.77
CA_4A-12A-30A	Band 12	Ant1	10M	707.5	23095	QPSK	1	0	Band 4	20M	2132.5	2175		Band 7	20M	2655	3100		22.67	22.79
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095		Band 30	10M	2355	9820		22.52	22.63
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095		Band 30	10M	2355	9820		21.76	21.82
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0	Band 30	10M	2355	9820		Band 4	20M	2132.5	2175		22.65	22.77
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0	Band 30	10M	2355	9820		Band 4	20M	2132.5	2175		22.69	22.79
CA_4A-29A-30A	Band 30	Ant0	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175		Band 12	10M	737.5	5095		22.37	22.46
	Band 30	Ant1	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175		Band 12	10M	737.5	5095		20.84	20.83
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715		Band 30	10M	2355	9820		22.48	22.63
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715		Band 30	10M	2355	9820		21.76	21.82
	Band 29	Ant0	10M	722.5	9715	QPSK	1	0	Band 30	10M	2355	9820		Band 29	10M	722.5	9715		22.38	22.46
CA_5B-66A	Band 30	Ant1	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175		Band 29	10M	722.5	9715		20.75	20.80
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 5	5M	888.7	2597		Band 66	20M	2155	66886		22.49	22.55
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 5	5M	888.7	2597		Band 66	20M	2155	66886		22.49	22.60
	Band 5	Ant0	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.58	22.67
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		21.75	21.84
CA_5A-5A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 5	5M	891.5	2625		Band 66	20M	2155	66886		22.41	22.55
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 5	5M	891.5	2625		Band 66	20M	2155	66886		22.52	22.60
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		22.50	22.67
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		21.73	21.84
	Band 66	Ant0	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886		Band 66	20M	2155	66886		22.39	22.56
CA_5A-66C	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886		Band 66	20M	2155	66886		22.53	22.60
	Band 30	Ant0	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886		Band 5	10M	881.5	2525		22.27	22.46
	Band 30	Ant1	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886		Band 5	10M	881.5	2525		20.71	20.83
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		22.58	22.67
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		21.78	21.84
CA_12A-30A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886		Band 66	20M	2174.8	67084		22.44	22.55
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886		Band 66	20M	2174.8	67084		22.43	22.60
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084		Band 5	10M	881.5	2525		22.59	22.67
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084		Band 5	10M	881.5	2525		21.68	21.84
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886		Band 66	20M	2155	66886		22.49	22.77
CA_12A-66C	Band 12	Ant1	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886		Band 66	20M	2155	66886		22.66	22.79
	Band 30	Ant0	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886		Band 12	10M	737.5	5095		22.27	22.46
	Band 30	Ant1	10M	2310	27710	QPSK	1	0	Band 66	20M	2145	66886		Band 12	10M	737.5	5095		20.73	20.83
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095		Band 30	10M	2355	9820		22.48	22.67
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095		Band 30	10M	2355	9820		21.66	21.84
CA_13A-66A-66A	Band 12	Ant0	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886		Band 66	20M	2174.8	67084		22.70	22.77
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886		Band 66	20M	2174.8	67084		22.62	22.79
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084		Band 12	10M	737.5	5095		22.50	22.67
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084		Band 12	10M	737.5	5095		21.69	21.84
	Band 13	Ant0	10M	762	23230	QPSK	1	0	Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		23.05	23.14
CA_14A-30A-66A	Band 13	Ant1	10M	762	23230	QPSK	1	0	Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		23.05	23.12
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311		Band 13	10M	751	5230		22.55	22.67
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311		Band 13	10M	751	5230		21.89	21.84
	Band 14	Ant0	10M	763	23330	QPSK	1	0	Band 30	10M	2355	9820		Band 66	20M	2155	66886		22.79	22.91
	Band 14	Ant1	10M	763	23330	QPSK	1	0	Band 30	10M	2355	9820		Band 66	20M	2155	66886		22.54	22.62
CA_14A-66A-66A	Band 30	Ant0	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886		Band 14	10M	763	5330		22.31	22.40
	Band 30	Ant1	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886		Band 14	10M	763	5330		20.75	20.83
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 14	10M	763	5330		Band 30	10M	2355	9820		22.61	22.67
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 14	10M	763	5330		Band 30	10M	2355	9820		21.79	21.84
	Band 14	Ant0	10M	763	23330	QPSK	1	0	Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		22.81	22.91
CA_30A-66A-66A	Band 14	Ant1	10M	763	23330	QPSK	1	0	Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		22.47	22.62
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311		Band 14	10M	763	5330		22.50	22.67
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311		Band 14	10M	763	5330		21.71	21.84
	Band 30	Ant0	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		22.34	22.46
	Band 30	Ant1	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		20.84	20.83
CA_41D	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311		Band 30	10M	2355	9820		22.67	22.67
	Band 66	Ant1	20M	1745	1323															



4CA DL

Configure	PCC										SOCI										SOC2										SOC3										Power	
	LTE	BW	BW	UL	UL Freq. (MHz)	Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE	BW	BW	UL	UL Freq. (MHz)	Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE	BW	BW	UL	UL Freq. (MHz)	Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE	BW	BW	UL	UL Freq. (MHz)	Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)
	Band	Ans	MHz	MHz							Band	MHz	MHz	MHz							Band	MHz	MHz	MHz							Band	MHz	MHz	MHz								
CA_2A-2A-4A-12A	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 4	20M	2132.5	2175			Band 12	10M	737.5	5095			Band 12	10M	737.5	5095			22.48	22.64		
	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 12	10M	737.5	5095			Band 12	10M	737.5	5095			Band 12	10M	737.5	5095			21.87	21.86		
	Band 4	AxH	20M	1732.5	20175	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175			Band 12	10M	737.5	5095			Band 12	10M	737.5	5095			22.48	22.63		
	Band 4	AxH	20M	1732.5	20175	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175			Band 12	10M	737.5	5095			Band 12	10M	737.5	5095			21.87	21.86		
	Band 12	AxH	10M	707.5	23095	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175			Band 4	20M	2132.5	2175			Band 4	20M	2132.5	2175			22.63	22.77		
CA_2A-2A-5A-66A	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175			Band 4	20M	2132.5	2175			Band 4	20M	2132.5	2175			22.71	22.79		
	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 5	10M	881.5	2525			Band 66	20M	2155	66886			Band 66	20M	2155	66886			22.56	22.64		
	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 5	10M	881.5	2525			Band 66	20M	2155	66886			Band 66	20M	2155	66886			21.62	21.85		
	Band 5	AxH	10M	836.5	20525	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175			Band 66	20M	2155	66886			Band 66	20M	2155	66886			22.45	22.55		
	Band 5	AxH	10M	836.5	20525	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175			Band 66	20M	2155	66886			Band 66	20M	2155	66886			22.53	22.59		
CA_2A-2A-66A-66A	Band 66	AxH	20M	1745	132322	QPSK	1	0			Band 2	20M	1960	900							Band 5	10M	881.5	2525			Band 5	10M	881.5	2525			Band 5	10M	881.5	2525			21.71	21.84		
	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 12	10M	737.5	5095			Band 66	20M	2155	66886			Band 66	20M	2155	66886			22.57	22.64		
	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 12	10M	737.5	5095			Band 66	20M	2155	66886			Band 66	20M	2155	66886			21.60	21.80		
	Band 12	AxH	10M	707.5	23095	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175			Band 66	20M	2155	66886			Band 66	20M	2155	66886			22.63	22.79		
	Band 12	AxH	10M	707.5	23095	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175			Band 66	20M	2155	66886			Band 66	20M	2155	66886			22.73	22.79		
CA_2A-2A-66C	Band 66	AxH	20M	1745	132322	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175			Band 12	10M	737.5	5095			Band 12	10M	737.5	5095			21.67	21.84		
	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 66	20M	2155	66886			Band 66	20M	2155	66886			Band 66	20M	2155	66886			22.45	22.64		
	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 66	20M	2155	66886			Band 66	20M	2155	66886			Band 66	20M	2155	66886			21.69	21.80		
	Band 66	AxH	20M	1745	132322	QPSK	1	0			Band 66	20M	2174.8	67084							Band 2	20M	1960	900			Band 2	SM	1987.5	1175			Band 2	SM	1987.5	1175			22.50	22.57		
	Band 66	AxH	20M	1745	132322	QPSK	1	0			Band 66	20M	2174.8	67084							Band 2	20M	1960	900			Band 2	SM	1987.5	1175			Band 2	SM	1987.5	1175			21.78	21.84		
CA_2A-2A-66A-66A	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 66	20M	2155	66886			Band 66	20M	2155	66886			Band 66	20M	2155	66886			22.53	22.64		
	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 66	20M	2155	66886			Band 66	20M	2155	66886			Band 66	20M	2155	66886			21.73	21.80		
	Band 66	AxH	20M	1745	132322	QPSK	1	0			Band 66	SM	2197.5	67311							Band 2	20M	1960	900			Band 2	SM	1987.5	1175			Band 2	SM	1987.5	1175			22.61	22.67		
	Band 66	AxH	20M	1745	132322	QPSK	1	0			Band 66	SM	2197.5	67311							Band 2	20M	1960	900			Band 2	SM	1987.5	1175			Band 2	SM	1987.5	1175			21.64	21.84		
	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 5	10M	881.5	2525							Band 5	10M	888.7	2597			Band 66	20M	2155	66886			Band 66	20M	2155	66886			22.50	22.64		
CA_2A-5A-66A-66A	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 5	10M	881.5	2525							Band 5	10M	888.7	2597			Band 66	20M	2155	66886			Band 66	20M	2155	66886			21.73	21.80		
	Band 5	AxH	10M	836.5	20525	QPSK	1	0			Band 5	SM	888.7	2597							Band 5	10M	888.7	2597			Band 66	20M	2155	66886			Band 66	20M	1960	900			22.44	22.55		
	Band 5	AxH	10M	836.5	20525	QPSK	1	0			Band 5	SM	888.7	2597							Band 5	10M	888.7	2597			Band 66	20M	2155	66886			Band 66	20M	1960	900			22.41	22.60		
	Band 66	AxH	20M	1745	132322	QPSK	1	0			Band 5	20M	1960	900							Band 5	10M	888.7	2597			Band 66	20M	2155	66886			Band 66	20M	1960	900			22.36	22.57		
	Band 66	AxH	20M	1745	132322	QPSK	1	0			Band 5	20M	1960	900							Band 5	10M	888.7	2597			Band 66	20M	2155	66886			Band 66	20M	1960	900			21.66	21.84		
CA_2A-13A-66A-66A	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 5	10M	881.5	2525							Band 66	20M	2155	66886			Band 66	20M	2155	66886			Band 66	20M	2155	66886			22.55	22.64		
	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 5	10M	881.5	2525							Band 66	20M	2155	66886			Band 66	20M	2155	66886			Band 66	20M	2155	66886			21.74	21.86		
	Band 5	AxH	10M	836.5	20525	QPSK	1	0			Band 66	20M	2155	66886							Band 66	20M	2155	66886			Band 66	20M	2155	66886			Band 66	20M	2155	66886			22.37	22.55		
	Band 5	AxH	10M	836.5	20525	QPSK	1	0			Band 66	20M	2155	66886							Band 66	20M	2155	66886			Band 66	20M	2155	66886			Band 66	20M	2155	66886			22.41	22.60		
	Band 66	AxH	20M	1745	132322	QPSK	1	0			Band 66	SM	2197.5	67311							Band 2	20M	1960	900			Band 5	10M	881.5	2525			Band 5	10M	881.5	2525			22.47	22.67		
CA_2A-13A-48C	Band 66	AxH	20M	1745	132322	QPSK	1	0			Band 66	SM	2197.5	67311							Band 2	20M	1960	900			Band 5	10M	881.5	2525			Band 5	10M	881.5	2525			21.69	21.84		
	Band 2	AxH	20M	1880	18900	QPSK	1	0			Band 12	10M	737.5	5095							Band 66	SM	2197.5	67311			Band 66	SM	2197.5	67311			Band 66	SM	2197.5	67311			22.56	22.64		
	Band 2	AxH	20M	18																																						



Full Power Mode_5GNR

n2 Ant0									
BSF (MHz)	Modulation	RB Size	RB Offset	Power L1P Ch./Freq.	Power Mains Ch./Freq.	Power Tgt Ch./Freq.	Turn-up time (sec)	MPT (dB)	
Channel									
Frequency (MHz)									
20	PUSC BPSK	1	1	22.46	22.52	22.56			
20	PUSC BPSK	1	1	22.46	22.57	22.62	24.0	0.0	
20	PUSC BPSK	1	1	22.42	22.47	22.51			
20	PUSC BPSK	30	0	22.37	22.52	22.55	23.5	0.5	
20	PUSC BPSK	30	28	22.32	22.43	22.41	24.0	0.0	
20	PUSC BPSK	180	0	22.28	22.35	22.38			
20	CPSS	1	1	22.42	22.52	22.55			
20	CPSS	1	1	22.49	22.53	22.59	24.0	0.0	
20	CPSS	30	0	22.37	22.52	22.55			
20	CPSS	30	0	21.36	21.51	21.62	23.0	1.0	
20	CPSS	30	28	22.41	22.48	22.49	24.0	0.4	
20	CPSS	180	0	21.46	21.56	21.61			
20	CPSS	1	1	21.46	21.57	21.62	23.0	1.0	
20	PCSSM	1	1	18.88	18.92	18.91	21.0	0.5	
20	PCSSM	1	1	17.92	17.92	17.92	19.0	0.5	
Channel									
10	CPSS	1	1	10.50	10.50	10.50	Turn-up time (sec)	MPT (dB)	
10	CPSS	1	1	22.36	22.45	22.42	24.0	0.0	
Channel									
10	CPSS	1	1	22.38	22.46	22.50	24.0	0.0	
Channel									
1	CPSS	1	1	22.28	22.35	22.42	24.0	0.5	
Channel									
5	CPSS	1	1	22.28	22.35	22.42	24.0	0.5	

n5 Ant0									
BSF (MHz)	Modulation	RB Size	RB Offset	Power L1P Ch./Freq.	Power Mains Ch./Freq.	Power Tgt Ch./Freq.	Turn-up time (sec)	MPT (dB)	
Channel									
Frequency (MHz)									
20	PUSC BPSK	1	1	22.95	22.91	22.98			
20	PUSC BPSK	1	1	22.83	22.96	22.98	24.0	0.0	
20	PUSC BPSK	1	1	22.82	22.97	22.94			
20	PUSC BPSK	30	0	22.81	22.91	22.96	23.5	0.5	
20	PUSC BPSK	30	28	22.83	22.92	22.91	24.0	0.0	
20	PUSC BPSK	30	0	22.92	22.91	22.97	24.0	0.4	
20	PUSC BPSK	180	0	22.89	22.92	22.92	23.5	0.0	
20	CPSS	1	1	22.92	22.94	22.95	24.0	0.0	
20	CPSS	1	1	22.89	22.99	22.94			
20	CPSS	1	1	22.92	22.98	22.95			
20	CPSS	30	0	21.87	22.09	21.98	23.0	1.0	
20	CPSS	30	28	22.92	22.95	22.97	24.0	0.0	
20	CPSS	180	0	21.96	22.01	21.98			
20	PCSSM	1	1	20.22	20.40	20.30	21.0	2.0	
20	PCSSM	1	1	19.26	19.41	19.27	19.0	0.5	
Channel									
10	CPSS	1	1	10.50	10.50	10.50	Turn-up time (sec)	MPT (dB)	
10	CPSS	1	1	22.92	22.99	22.98	24.0	0.0	
Frequency (MHz)									
10	CPSS	1	1	22.92	22.99	22.98	24.0	0.0	
Channel									
5	CPSS	1	1	22.89	22.94	22.97	24.0	0.0	

n12 Ant0									
BSF (MHz)	Modulation	RB Size	RB Offset	Power L1P Ch./Freq.	Power Mains Ch./Freq.	Power Tgt Ch./Freq.	Turn-up time (sec)	MPT (dB)	
Channel									
Frequency (MHz)									
10	PUSC BPSK	1	1	42.87	42.92	42.92			
10	PUSC BPSK	1	1	22.82	22.98	22.91	24.0	0.0	
10	PUSC BPSK	1	1	22.75	22.92	22.75			
10	PUSC BPSK	30	0	22.82	22.92	22.92	23.5	0.5	
10	PUSC BPSK	30	28	22.88	22.95	22.95	24.0	0.0	
10	PUSC BPSK	30	0	22.94	22.92	22.92	24.0	0.4	
10	PUSC BPSK	180	0	22.94	22.91	22.99			
10	CPSS	1	1	22.92	22.92	22.91			
10	CPSS	1	1	22.94	22.98	22.92	24.0	0.0	
10	CPSS	30	0	21.86	22.08	21.89	23.0	1.0	
10	CPSS	30	28	22.91	22.97	22.94	24.0	0.0	
10	CPSS	30	30	21.82	22.82	21.89	22.0	1.0	
10	CPSS	180	0	21.97	22.01	21.97			
10	PCSSM	1	1	20.24	20.37	20.29	21.0	2.0	
10	PCSSM	1	1	19.24	19.40	19.25	19.0	0.5	
Channel									
10	CPSS	1	1	10.50	10.50	10.50	Turn-up time (sec)	MPT (dB)	
10	CPSS	1	1	22.91	22.95	22.96	24.0	0.0	
Channel									
1	CPSS	1	1	22.91	22.94	22.92	24.0	0.0	

n14 Ant0									
BSF (MHz)	Modulation	RB Size	RB Offset	Power L1P Ch./Freq.	Power Mains Ch./Freq.	Power Tgt Ch./Freq.	Turn-up time (sec)	MPT (dB)	
Channel									
Frequency (MHz)									
10	PUSC BPSK	1	1	42.88	42.93	42.93			
10	PUSC BPSK	1	1	22.82	22.91	22.91	24.0	0.0	
10	PUSC BPSK	1	1	22.75	22.92	22.75			
10	PUSC BPSK	30	0	22.82	22.92	22.92	23.5	0.5	
10	PUSC BPSK	30	28	22.88	22.95	22.95	24.0	0.0	
10	PUSC BPSK	30	0	22.94	22.92	22.92	24.0	0.4	
10	PUSC BPSK	180	0	22.94	22.91	22.99			
10	CPSS	1	1	22.92	22.92	22.91			
10	CPSS	1	1	22.94	22.98	22.92	24.0	0.0	
10	CPSS	30	0	21.86	22.08	21.89	23.0	1.0	
10	CPSS	30	28	22.91	22.97	22.94	24.0	0.0	
10	CPSS	30	30	21.82	22.82	21.89	22.0	1.0	
10	CPSS	180	0	21.97	22.01	21.97			
10	PCSSM	1	1	20.24	20.37	20.29	21.0	2.0	
10	PCSSM	1	1	19.24	19.40	19.25	19.0	0.5	
Channel									
Frequency (MHz)				10.50	10.50	10.50	Turn-up time (sec)	MPT (dB)	
10	CPSS	1	1	22.91	22.95	22.96	24.0	0.0	
Channel									
1	CPSS	1	1	22.91	22.94	22.92	24.0	0.0	

n25 Ant0												
RF (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. / Freq.	Power Minus Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	MPT (dB)				
Channel												
Frequency (MHz)												
40	P10 BPSK	1		22.00	22.00	22.00	24.0	0.0				
40	P10 BPSK	1	168	22.01	22.07	22.00						
40	P10 BPSK	1	214	22.48	22.53	22.57	23.5	0.5				
40	P10 BPSK	168	14	22.47	22.58	22.45						
40	P10 BPSK	168	6	22.70	22.75	22.70	24.0	0.0				
40	P10 BPSK	168	106	22.69	22.75	22.67						
40	P10 BPSK	210	0	22.97	22.95	22.99	24.0	0.0				
40	QPSK	1	0	22.95	22.93	22.97						
40	QPSK	1	168	22.97	22.97	22.97	24.0	0.0				
40	QPSK	1	214	22.44	22.50	22.45						
40	QPSK	168	0	21.86	21.72	21.80	23.0	1.0				
40	QPSK	168	6	22.47	22.59	22.57						
40	QPSK	168	106	21.82	21.88	21.85	23.0	1.0				
40	QPSK	210	0	21.46	21.45	21.46						
40	QPSK	1	0	21.46	21.45	21.46	23.0	1.0				
40	QPSK	1	1	21.87	21.86	21.87						
40	QPSK	1	1	21.86	21.85	21.87	23.0	1.0				
40	QPSK	1	1	21.85	21.84	21.86						
Channel												
Frequency (MHz)												
50	QPSK	1	1	22.40	22.37	22.43	24.0	0.0				
Channel												
Frequency (MHz)												
10	QPSK	1	1	22.46	22.39	22.50	24.0	0.0				
Channel												
Frequency (MHz)												
15	QPSK	1	1	22.41	22.34	22.49	24.0	0.0				
Channel												
Frequency (MHz)												
10	QPSK	1		22.56	22.54	22.58	24.0	0.0				
Channel												
Frequency (MHz)												
5	QPSK	1		22.56	22.54	22.58	24.0	0.0				
Channel												
Frequency (MHz)												

n30 Ant0												
RF (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. / Freq.	Power Minus Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	MPT (dB)				
Channel												
Frequency (MHz)												
10	P10 BPSK	1	1	22.00			24.0	0.0				
10	P10 BPSK	1	36	22.77								
10	P10 BPSK	1	50	22.72			23.5	0.5				
10	P10 BPSK	36	0	22.76								
10	P10 BPSK	50	14	22.79			24.0	0.0				
10	P10 BPSK	35	27	22.28								
10	P10 BPSK	50	3	22.53			24.0	0.5				
10	QPSK	1	1	22.00								
10	QPSK	1	36	22.89			24.0	0.0				
10	QPSK	1	50	22.81								
10	QPSK	35	0	21.83			23.0	1.0				
10	QPSK	35	14	22.81								
10	QPSK	35	27	22.78			23.0	1.0				
10	QPSK	50	1	21.75								
10	QPSK	50	1	22.01			23.0	1.0				
10	QPSK	50	1	22.01								
10	QPSK	50	1	22.01			23.0	1.0				
10	QPSK	50	1	22.01								
Channel												
Frequency (MHz)												
5	QPSK	1	1	22.70	22.69	22.71		24.0	0.0			
Channel												
Frequency (MHz)												

n66 Ant0												
RF (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. / Freq.	Power Minus Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	MPT (dB)				
Channel												
Frequency (MHz)												
40	P10 BPSK	1		22.00	21.97	22.02	24.0		0.0			
40	P10 BPSK	1	168	22.07	22.07	22.00						
40	P10 BPSK	1	214	22.48	22.50	22.46		23.5	0.5			
40	P10 BPSK	168	6	22.67	22.69	22.65						
40	P10 BPSK	168	106	22.48	22.53	22.46	24.0		0.0			
40	P10 BPSK	168	106	22.47	22.53	22.51						
40	P10 BPSK	210	0	22.91	22.89	22.90	24.0		0.0			
40	QPSK	1	0	22.89	22.87	22.90						
40	QPSK	1	168	22.94	22.98	22.91	24.0		0.0			
40	QPSK	1	214	22.51	22.53	22.50						
40	QPSK	168	0	22.10	22.17	22.10	23.0		1.0			
40	QPSK	168	6	22.45	22.47	22.41						
40	QPSK	168	106	22.51	22.59	22.50	23.0		1.0			
40	QPSK	168	106	22.52	22.52	22.57						
40	QPSK	210	0	22.08	22.06	22.10	23.0		1.0			
40	QPSK	210	0	22.08	22.06	22.10						
40	QPSK	1	1	22.14	22.08	22.10	23.0		1.0			
40	QPSK	1	1	22.14	22.08	22.10						
Channel												
Frequency (MHz)												
50	QPSK	1	1	22.93	22.90	22.96	24.0		0.0			
Channel												
Frequency (MHz)												
10	QPSK	1		22.50	22.49	22.50	24.0		0.0			
Channel												
Frequency (MHz)												
15	QPSK	1		22.50	22.50	22.50	24.0		0.0			
Channel												
Frequency (MHz)												
10	QPSK	1		22.50	22.50	22.50	24.0		0.0			
Channel												
Frequency (MHz)												
5	QPSK	1		22.50	22.50	22.50	24.0		0.0			
Channel												
Frequency (MHz)												

n71 Ant0									
RF (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. / Freq.	Power Minus Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	MPT (dB)	
Channel									
Frequency (MHz)									
20	P10 BPSK	1	1	22.00	22.07	22.71		24.0	0.0
20	P10 BPSK	1	53	22.51	22.51	22.58			
20	P10 BPSK	1	104	22.00	22.70	22.67		23.5	0.5
20	P10 BPSK	50	0	22.70	22.42	22.36			
20	P10 BPSK	50	38	22.67	22.62	22.68		24.0	0.0
20	P10 BPSK	50	105	22.69	22.78	22.66			
20	QPSK	1	1	22.70	22.70	22.71		24.0	0.0
20	QPSK	1	53	22.57	22.51	22.74			
20	QPSK	1	104	22.70	22.70	22.67		23.0	1.0
20	QPSK	50	0	21.78	21.86	21.80			
20	QPSK	50	38	22.73	22.65	22.70		23.0	1.0
20	QPSK	50	105	22.73	22.82	22.72			
20	QPSK	100	0	21.75	21.75	21.75		23.0	1.0
20	QPSK	1	1	21.75	21.75	21.75			
20	QPSK	1	1	21.75	21.75	21.75		23.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.00	19.00	19.00		19.0	
15	QPSK	1	1	21.24	21.29	22.05		20.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.53	20.56	20.50		20.0	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.00	22.00	22.00		24.0	0.0



n2 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 375000	Power Max Ch. 1 Freq. 380000	Power High Ch. 1 Freq. 385000	Tune-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
20	PI2-BPSK	1	1	21.84	21.89	21.97		
20	PI2-BPSK	1	53	21.43	21.48	21.48	23.0	0.0
20	PI2-BPSK	1	104	21.93	21.93	21.93		
20	PI2-BPSK	50	0	20.99	21.14	20.97	22.0	0.5
20	PI2-BPSK	50	20	21.97	21.98	21.48	23.0	0.0
20	PI2-BPSK	50	56	21.13	21.16	21.13	22.0	0.5
20	PI2-BPSK	100	0	21.10	21.21	21.08		
20	QPSK	1	1	21.95	21.95	21.95		
20	QPSK	1	53	21.48	21.62	21.48	23.0	0.0
20	QPSK	1	104	21.48	21.71	21.53		
20	QPSK	50	0	20.51	20.65	20.62	22.0	1.0
20	QPSK	50	40	21.46	21.56	21.46	23.0	0.0
20	QPSK	50	56	20.93	20.99	20.95	22.0	1.0
20	QPSK	100	0	20.71	20.75	20.64		
20	16QAM	1	1	20.92	20.96	20.48	22.0	1.0
20	16QAM	1	1	18.49	18.95	18.78	20.0	2.5
20	16QAM	1	1	16.93	17.05	17.00	19.0	4.5
Channel								
Frequency [MHz]								
10	QPSK	1	1	21.45	21.49	21.50	23.0	0.0
Channel								
Frequency [MHz]								
10	QPSK	1	1	21.51	21.67	21.63	23.0	0.0
Channel								
Frequency [MHz]								
5	QPSK	1	1	21.82	21.81	21.82	23.0	0.0

n5 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 166500	Power Max Ch. 1 Freq. 167000	Power High Ch. 1 Freq. 167500	Tune-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
20	PI2-BPSK	1	1	21.74	21.80	21.87		
20	PI2-BPSK	1	53	21.67	21.84	21.74	23.0	0.0
20	PI2-BPSK	1	104	21.77	21.82	21.75		
20	PI2-BPSK	50	0	21.29	21.31	21.28	22.0	0.5
20	PI2-BPSK	50	20	21.81	21.76	21.69	23.0	0.0
20	PI2-BPSK	50	56	21.08	21.24	21.18	22.0	0.5
20	PI2-BPSK	100	0	21.10	21.27	21.10		
20	QPSK	1	1	21.95	21.97	21.75		
20	QPSK	1	53	21.65	21.77	21.52	23.0	0.0
20	QPSK	1	104	21.72	21.81	21.78		
20	QPSK	50	0	20.89	20.85	20.74	22.0	1.0
20	QPSK	50	40	21.47	21.50	21.36	23.0	0.0
20	QPSK	50	56	20.93	20.74	20.85	22.0	1.0
20	QPSK	100	0	20.76	20.80	20.77		
20	16QAM	1	1	20.93	20.68	20.54	22.0	1.0
20	16QAM	1	1	19.07	19.11	19.08	20.0	2.5
20	16QAM	1	1	17.04	17.16	17.00	19.0	4.5
Channel								
Frequency [MHz]								
15	QPSK	1	1	21.75	21.80	21.80	23.0	0.0
Channel								
Frequency [MHz]								
10	QPSK	1	1	21.77	21.82	21.71	23.0	0.0
Channel								
Frequency [MHz]								
5	QPSK	1	1	21.77	21.85	21.85	23.0	0.0

n12 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 141500	Power Max Ch. 1 Freq. 141600	Power High Ch. 1 Freq. 141700	Tune-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
15	PI2-BPSK	1	1	22.08	22.11	22.08		
15	PI2-BPSK	1	40	22.09	22.13	22.07	23.0	0.0
15	PI2-BPSK	1	77	21.97	22.08	22.04		
15	PI2-BPSK	50	0	21.48	21.52	21.40	22.0	0.5
15	PI2-BPSK	50	20	21.97	22.05	21.91	23.0	0.0
15	PI2-BPSK	50	43	21.52	21.40	21.34	22.0	0.5
15	PI2-BPSK	75	0	21.40	21.55	21.50		
15	QPSK	1	1	22.13	22.15	22.09		
15	QPSK	1	40	22.05	22.08	22.03	23.0	0.0
15	QPSK	1	77	21.97	22.04	21.99		
15	QPSK	50	0	21.59	21.63	20.94	22.0	1.0
15	QPSK	50	20	22.01	22.06	22.00	23.0	0.0
15	QPSK	50	43	20.85	20.94	20.89	22.0	1.0
15	QPSK	75	0	21.50	21.60	20.88		
15	16QAM	1	1	20.94	20.98	20.96	22.0	1.0
15	16QAM	1	1	19.92	19.93	19.28	20.0	2.5
15	16QAM	1	1	17.93	17.40	17.41	19.0	4.5
Channel								
Frequency [MHz]								
10	QPSK	1	1	22.00	22.11	22.03	23.0	0.0
Channel								
Frequency [MHz]								
5	QPSK	1	1	22.02	22.08	22.00	23.0	0.0

n14 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 158100	Power Max Ch. 1 Freq. 158200	Power High Ch. 1 Freq. 158300	Tune-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
10	PI2-BPSK	1	1			21.45		
10	PI2-BPSK	1	26			21.40	23.0	0.0
10	PI2-BPSK	1	56			21.33		
10	PI2-BPSK	25	0			20.79	22.0	0.5
10	PI2-BPSK	25	14			21.30	23.0	0.0
10	PI2-BPSK	25	27			20.83	22.0	0.5
10	PI2-BPSK	50	0			20.91		
10	QPSK	1	1			21.62		
10	QPSK	1	26			21.52	23.0	0.0
10	QPSK	1	56			21.33		
10	QPSK	25	0			20.27	22.0	1.0
10	QPSK	25	14			21.06	23.0	0.0
10	QPSK	25	27			20.34	22.0	1.0
10	QPSK	50	0			20.40		
10	16QAM	1	1			20.93	22.0	1.0
10	16QAM	1	1			19.72	20.0	2.5
10	16QAM	1	1			18.94	19.0	4.5
Channel								
Frequency [MHz]								
5	QPSK	1	1	21.28	21.35	21.30	23.0	0.0



n25 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Watt]	Power Max Ch. 1 [Watt]	Power High Ch. 1 [Watt]	Power Low Ch. 2 [Watt]	Power Max Ch. 2 [Watt]	Power High Ch. 2 [Watt]
Channel									
Frequency [MHz]									
40	PUSC BPSK	1	1	21.69	21.72	21.84			
40	PUSC BPSK	1	108	21.83	21.89	21.87			
40	PUSC BPSK	1	214	21.62	21.58	21.62			
40	PUSC BPSK	108	0	20.89	21.03	20.95			
40	PUSC BPSK	108	56	21.49	21.35	21.49			
40	PUSC BPSK	108	108	21.04	21.10	20.93			
40	PUSC BPSK	216	0	21.03	21.14	21.10			
40	QPSK	1	1	21.75	21.75	21.75			
40	QPSK	1	108	21.50	21.63	21.58			
40	QPSK	1	214	21.65	21.70	21.68			
40	QPSK	108	0	20.40	20.53	20.45			
40	QPSK	108	56	21.40	20.96	21.18			
40	QPSK	108	108	20.85	20.89	20.82			
40	QPSK	216	0	20.55	20.74	20.70			
40	16QAM	1	1	20.35	20.44	20.34			
40	16QAM	1	1	18.43	18.86	18.81			
40	16QAM	1	1	18.56	17.92	18.07			
Channel									
Frequency [MHz]									
50	QPSK	1	1	21.60	21.70	21.65			
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.69	21.40	21.69			
Channel									
Frequency [MHz]									
15	QPSK	1	1	21.60	21.69	21.72			
Channel									
Frequency [MHz]									
10	QPSK	1	1	21.63	21.70	21.71			
Channel									
Frequency [MHz]									
5	QPSK	1	1	21.71	21.69	21.71			

n30 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Watt]	Power Max Ch. 1 [Watt]	Power High Ch. 1 [Watt]	Power Low Ch. 2 [Watt]	Power Max Ch. 2 [Watt]	Power High Ch. 2 [Watt]
Channel									
Frequency [MHz]									
10	PUSC BPSK	1	1						
10	PUSC BPSK	1	26						
10	PUSC BPSK	1	50						
10	PUSC BPSK	26	0						
10	PUSC BPSK	26	27						
10	PUSC BPSK	50	0						
10	QPSK	1	1						
10	QPSK	1	26						
10	QPSK	26	0						
10	QPSK	26	27						
10	QPSK	50	0						
10	16QAM	1	1						
10	16QAM	1	1						
Channel									
Frequency [MHz]									
5	QPSK	1	1						

n66 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Watt]	Power Max Ch. 1 [Watt]	Power High Ch. 1 [Watt]	Power Low Ch. 2 [Watt]	Power Max Ch. 2 [Watt]	Power High Ch. 2 [Watt]
Channel									
Frequency [MHz]									
40	PUSC BPSK	1	1	22.00	22.00	22.04			
40	PUSC BPSK	1	1108	22.13	22.28	22.20			
40	PUSC BPSK	1	214	22.14	22.30	22.26			
40	PUSC BPSK	108	0	21.89	21.81	21.83			
40	PUSC BPSK	108	56	22.01	22.06	22.03			
40	PUSC BPSK	108	108	21.75	21.89	21.71			
40	PUSC BPSK	216	0	21.77	21.82	21.79			
40	QPSK	1	1	22.00	22.00	22.04			
40	QPSK	1	1108	22.11	22.28	22.23			
40	QPSK	1	214	22.01	22.34	22.18			
40	QPSK	108	0	21.33	21.36	21.29			
40	QPSK	108	56	21.37	21.35	21.29			
40	QPSK	108	108	21.07	21.48	21.34			
40	QPSK	216	0	21.34	21.51	21.35			
40	16QAM	1	1	21.09	21.23	21.20			
40	16QAM	1	1	19.89	19.89	19.24			
40	16QAM	1	1	17.72	17.76	17.63			
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.01	22.06	22.05			
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.10	22.21	22.27			
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.03	22.21	22.25			
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.11	22.20	22.20			
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.08	22.35	22.20			

n71 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Watt]	Power Max Ch. 1 [Watt]	Power High Ch. 1 [Watt]	Power Low Ch. 2 [Watt]	Power Max Ch. 2 [Watt]	Power High Ch. 2 [Watt]
Channel									
Frequency [MHz]									
20	PUSC BPSK	1	1	21.88	22.05	22.02			
20	PUSC BPSK	1	53	21.97	22.02	21.84			
20	PUSC BPSK	1	104	21.80	21.90	21.90			
20	PUSC BPSK	56	0	21.45	21.60	21.50			
20	PUSC BPSK	56	56	21.61	22.00	21.80			
20	PUSC BPSK	56	56	21.34	21.41	21.52			
20	PUSC BPSK	100	0	21.34	21.49	21.36			
20	QPSK	1	1	21.89	22.07	22.04			
20	QPSK	1	53	21.81	21.86	21.82			
20	QPSK	1	104	21.88	22.03	21.97			
20	QPSK	56	0	20.95	21.02	20.88			
20	QPSK	56	56	21.46	21.86	21.59			
20	QPSK	56	56	20.76	20.92	20.82			
20	QPSK	100	0	20.91	20.95	20.91			
20	16QAM	1	1	20.86	20.91	20.79			
20	16QAM	1	1	19.10	19.28	19.19			
20	16QAM	1	1	17.36	17.53	17.45			
Channel									
Frequency [MHz]									
15	QPSK	1	1	21.88	22.03	21.93			
Channel									
Frequency [MHz]									
10	QPSK	1	1	21.87	22.01	21.93			
Channel									
Frequency [MHz]									
5	QPSK	1	1	21.91	21.83	22.00			



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	PI2 BPSK	1	1	24.31	24.34	24.27		
40	PI2 BPSK	1	53	24.35	24.40	24.30	25.0	0.0
40	PI2 BPSK	1	104	24.21	24.26	24.22		
40	PI2 BPSK	50	0	23.78	23.84	23.74	24.5	0.5
40	PI2 BPSK	50	28	24.22	24.34	24.26	25.0	0.0
40	PI2 BPSK	50	56	23.75	23.81	23.76	24.5	0.5
40	PI2 BPSK	100	0	23.74	23.83	23.79		
40	QPSK	1	1	24.31	24.42	24.38		
40	QPSK	1	53	24.27	24.36	24.32	25.0	0.0
40	QPSK	1	104	24.18	24.32	24.20		
40	QPSK	50	0	23.30	23.39	23.32	24.0	1.0
40	QPSK	50	28	24.32	24.37	24.30	25.0	0.0
40	QPSK	50	56	23.26	23.36	23.30	24.0	1.0
40	QPSK	100	0	23.35	23.43	23.35		
40	16QAM	1	1	23.22	23.29	23.24	24.0	1.0
40	64QAM	1	1	21.50	21.96	21.84	22.5	2.5
40	256QAM	1	1	19.80	19.85	19.75	20.5	4.5
Channel				517002	517000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.27	24.28	24.34	25.0	0.0
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585	2595	2610		
20	QPSK	1	1	24.21	24.29	24.33	25.0	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				506002	516598	526000		
Frequency (MHz)				2540.01	2562.99	2600		
100	PI2 BPSK	1	1	24.32	24.38	24.34		
100	PI2 BPSK	1	137	24.06	24.21	24.07	25.0	0.0
100	PI2 BPSK	1	271	24.26	24.39	24.30		
100	PI2 BPSK	135	0	23.80	23.84	23.71	24.5	0.5
100	PI2 BPSK	135	69	24.28	24.34	24.23	25.0	0.0
100	PI2 BPSK	135	138	23.77	23.82	23.78	24.5	0.5
100	PI2 BPSK	270	0	23.68	23.73	23.64		
100	QPSK	1	1	24.42	24.46	24.33		
100	QPSK	1	137	24.26	24.32	24.19	25.0	0.0
100	QPSK	1	271	24.37	24.41	24.35		
100	QPSK	135	0	23.39	23.48	23.40	24.0	1.0
100	QPSK	135	69	24.17	24.31	24.24	25.0	0.0
100	QPSK	135	138	23.15	23.29	23.15	24.0	1.0
100	QPSK	270	0	23.17	23.32	23.20		
100	16QAM	1	1	23.56	23.62	23.54	24.0	1.0
100	64QAM	1	1	21.95	22.09	22.00	22.5	2.5
100	256QAM	1	1	19.60	19.65	19.64	20.5	4.5
Channel				507000	516598	526998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2562.99	2604.98		
90	QPSK	1	1	24.33	24.41	24.28	25.0	0.0
Channel				507204	516598	526998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2562.99	2604.98		
80	QPSK	1	1	24.32	24.36	24.27	25.0	0.0
Channel				505000	516598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2562.99	2609.98		
60	QPSK	1	1	24.32	24.42	24.30	25.0	0.0
Channel				504004	516598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2562.99	2664.99		
50	QPSK	1	1	24.34	24.38	24.29	25.0	0.0
Channel				503002	516598	535002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2610.01	2562.99	2670		
40	QPSK	1	1	24.37	24.42	24.23	25.0	0.0
Channel				502000	516598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2611	2562.99	2674.98		
30	QPSK	1	1	24.39	24.36	24.19	25.0	0.0
Channel				501204	516598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2562.99	2679.99		
20	QPSK	1	1	24.37	24.36	24.20	25.0	0.0

n48 Part96 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				636000	641686	646332		
Frequency (MHz)				3070	3024.99	3079.98		
40	PI2 BPSK	1	1	20.13	20.21	20.08		
40	PI2 BPSK	1	53	20.02	20.18	20.14	21.0	0.0
40	PI2 BPSK	1	104	20.22	20.27	20.12		
40	PI2 BPSK	50	0	20.14	20.26	20.17	21.0	0.0
40	PI2 BPSK	50	28	20.08	20.19	20.15	21.0	0.0
40	PI2 BPSK	50	56	20.10	20.16	20.14	21.0	0.0
40	PI2 BPSK	100	0	20.01	20.18	20.11		
40	QPSK	1	1	20.16	20.30	20.23		
40	QPSK	1	53	20.10	20.17	20.01	21.0	0.0
40	QPSK	1	104	20.05	20.21	20.13		
40	QPSK	50	0	20.23	20.25	20.10	21.0	0.0
40	QPSK	50	28	20.21	20.27	20.21	21.0	0.0
40	QPSK	50	56	20.12	20.16	20.07	21.0	0.0
40	QPSK	100	0	20.22	20.25	20.15		
40	16QAM	1	1	20.02	20.15	20.07	21.0	0.0
40	64QAM	1	1	20.05	20.13	20.00	21.0	0.0
40	256QAM	1	1	18.46	18.56	18.45	19.0	2.0
Channel				637004	641686	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3060.01	3024.99	3060		
20	QPSK	1	1	20.12	20.27	20.12	21.0	0.0
Channel				637000	641686	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3056	3024.99	3064.98		
10	QPSK	1	1	20.02	20.18	20.10	21.0	0.0

Part270 n77 Ant2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 640000	Power Middle Ch. Freq. 650000	Power High Ch. Freq. 660000	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				3760	3840	3900					
100	PI2 BPSK	1	1	22.41	22.55	22.40	24.0	0.0			
100	PI2 BPSK	1	137	22.48	22.41	22.46					
100	PI2 BPSK	1	271	22.34	22.42	22.43					
100	PI2 BPSK	135	0	21.76	21.76	21.82					
100	PI2 BPSK	135	69	22.34	22.34	22.33	24.0	23.5	0.5		
100	PI2 BPSK	135	138	21.91	21.91	21.81					
100	PI2 BPSK	270	0	21.85	22.00	21.91	23.5			0.5	
100	QPSK	1	1	22.52	22.58	22.45	24.0	0.0			
100	QPSK	1	197	22.29	22.51	22.36					
100	QPSK	1	271	22.45	22.45	22.44					
100	QPSK	135	0	21.28	21.32	21.29					
100	QPSK	135	69	22.49	22.54	22.43	24.0			0.0	
100	QPSK	135	138	21.40	21.46	21.47	23.0			1.0	
100	QPSK	270	0	21.37	21.65	21.33	23.0			1.0	
100	16QAM	1	1	21.13	21.17	21.08	23.0			1.6	
100	64QAM	1	1	19.65	19.70	19.56	21.5			2.5	
100	256QAM	1	1	17.75	17.76	17.68	19.5			4.5	
Channel				649968	656000	662334	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01					
90	QPSK	1	1	22.49	22.49	22.29	24.0			0.0	
Channel				648833	656000	662668	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3748.01	3840	3846.02					
80	QPSK	1	1	22.41	22.50	22.34	24.0			0.0	
Channel				648000	656000	663000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3735	3840	3945					
70	QPSK	1	1	22.59	22.51	22.53	24.0			0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01					
60	QPSK	1	1	22.46	22.55	22.39	24.0			0.0	
Channel				648333	656000	660668	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02					
50	QPSK	1	1	22.41	22.51	22.32	24.0			0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3720	3840	3960					
40	QPSK	1	1	22.46	22.46	22.36	24.0			0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01					
30	QPSK	1	1	22.39	22.45	22.38	24.0			0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02					
20	QPSK	1	1	22.45	22.53	22.36	24.0			0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 660000	Tune-up limit (dBm)	MPR (dB)		
Channel				3760	3840					
100	PI2 BPSK	1	1	24.42	24.45	25.30		27.0	0.0	
100	PI2 BPSK	1	137	25.33	25.41	25.27				
100	PI2 BPSK	1	271	25.02	25.07	25.01				
100	PI2 BPSK	135	0	24.83	24.92	24.89	26.5			
100	PI2 BPSK	135	69	25.26	25.41	25.23	27.0	26.5	0.5	
100	PI2 BPSK	135	138	24.63	24.66	24.59				
100	PI2 BPSK	270	0	24.81	24.89	24.67	26.5			
100	QPSK	1	1	25.37	25.47	25.21		27.0	0.0	
100	QPSK	1	197	25.26	25.41	25.17				
100	QPSK	1	271	25.08	25.01	25.03				
100	QPSK	135	0	24.32	24.41	24.18	26.0			
100	QPSK	135	69	25.33	25.41	25.26	27.0			
100	QPSK	135	138	24.17	24.26	24.05	26.0			
100	QPSK	270	0	24.26	24.41	24.23	26.0			
100	16QAM	1	1	24.34	24.48	24.29	26.0			
100	64QAM	1	1	23.08	23.22	23.08	24.5			
100	256QAM	1	1	21.18	21.21	21.01	22.5			
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3840	3935.01				
90	QPSK	1	1	25.23	25.37	25.11	27.0			
Channel				648000	656000	662668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3748.01	3840	3940.02				
80	QPSK	1	1	25.29	25.38	25.08	27.0			
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3840	3945				
70	QPSK	1	1	25.53	25.53	25.56	27.0			
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3840	3950.01				
60	QPSK	1	1	25.30	25.32	25.06	27.0			
Channel				643333	652000	660668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3840	3955.02				
50	QPSK	1	1	25.32	25.36	25.17	27.0			
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3840	3960				
40	QPSK	1	1	25.31	25.33	25.13	27.0			
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3840	3965.01				
30	QPSK	1	1	25.34	25.39	25.12	27.0			
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3840	3970.02				
20	QPSK	1	1	25.26	25.39	25.09	27.0			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	Pl2 BPSK	1	1		23.25		24.0	0.0
100	Pl2 BPSK	1	137		23.09			
100	Pl2 BPSK	1	271		22.81			
100	Pl2 BPSK	135	0		22.67		23.5	0.5
100	Pl2 BPSK	135	69		23.10		24.0	0.0
100	Pl2 BPSK	135	138		22.26		23.5	0.5
100	Pl2 BPSK	270	0		22.51		24.0	0.0
100	QPSK	1	1		23.31			
100	QPSK	1	197		23.09			
100	QPSK	1	271		22.75		23.0	1.0
100	QPSK	135	0		22.17			
100	QPSK	135	69		23.03			
100	QPSK	135	138		21.75		23.0	1.0
100	QPSK	270	0		21.51		23.0	1.0
100	16QAM	1	1		22.39			
100	64QAM	1	1		20.86			
100	256QAM	1	1		19.09		19.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	24.0	0.0
90	QPSK	1	1	23.12	23.22	23.11	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3488.02	3500.01	3510	24.0	0.0
80	QPSK	1	1	23.18	23.22	23.20	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	24.0	0.0
70	QPSK	1	1	23.14	23.23	23.10	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	24.0	0.0
60	QPSK	1	1	23.18	23.22	23.11	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	24.0	0.0
50	QPSK	1	1	23.10	23.27	23.11	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	24.0	0.0
40	QPSK	1	1	23.09	23.18	23.11	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	24.0	0.0
30	QPSK	1	1	23.16	23.23	23.16	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0
20	QPSK	1	1	23.11	23.16	23.15	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	Pl2 BPSK	1	1		23.69		25.0	0.0
100	Pl2 BPSK	1	137		23.88			
100	Pl2 BPSK	1	271		23.64			
100	Pl2 BPSK	135	0		23.60		25.0	0.0
100	Pl2 BPSK	135	69		23.87		25.0	0.0
100	Pl2 BPSK	135	138		23.39		25.0	0.0
100	Pl2 BPSK	270	0		23.54		25.0	0.0
100	QPSK	1	1		24.36			
100	QPSK	1	197		24.16			
100	QPSK	1	271		23.87		25.0	0.0
100	QPSK	135	0		23.73			
100	QPSK	135	69		23.98			
100	QPSK	135	138		23.48		25.0	0.0
100	QPSK	270	0		23.15		25.0	0.0
100	16QAM	1	1		23.33			
100	64QAM	1	1		22.52			
100	256QAM	1	1		21.68		22.5	2.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	24.0	0.0
90	QPSK	1	1	24.21	24.32	24.21	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3488.02	3500.01	3510	25.0	0.0
80	QPSK	1	1	24.25	24.27	24.23	25.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	25.0	0.0
70	QPSK	1	1	24.23	24.30	24.20	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	25.0	0.0
60	QPSK	1	1	24.26	24.26	24.20	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	25.0	0.0
50	QPSK	1	1	24.19	24.24	24.27	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	25.0	0.0
40	QPSK	1	1	24.25	24.25	24.17	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	25.0	0.0
30	QPSK	1	1	24.19	24.30	24.22	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	25.0	0.0
20	QPSK	1	1	24.22	24.25	24.23	25.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		22.58		24.0	0.0
100	PI2 BPSK	1	137		22.30			
100	PI2 BPSK	1	271		22.39			
100	PI2 BPSK	135	0		21.86		23.5	0.5
100	PI2 BPSK	135	69		22.39		24.0	0.0
100	PI2 BPSK	135	138		21.86		23.5	0.5
100	PI2 BPSK	270	0		21.87		24.0	0.0
100	QPSK	1	1		22.46			
100	QPSK	1	197		22.42			
100	QPSK	1	271		21.30		23.0	1.0
100	QPSK	135	69		22.41		24.0	0.0
100	QPSK	135	138		21.32		23.0	1.0
100	QPSK	270	0		21.35		23.0	1.0
100	16QAM	1	1		21.19			
100	64QAM	1	1		19.96			
100	256QAM	1	1		17.56		19.5	4.5
Channel				649968	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		22.40	22.32	22.36	24.0 0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		22.30	22.36	22.30	24.0 0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		22.31	22.39	22.33	24.0 0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		22.34	22.39	22.30	24.0 0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		22.29	22.40	22.33	24.0 0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		22.35	22.33	22.32	24.0 0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		22.33	22.42	22.38	24.0 0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		22.31	22.36	22.27	24.0 0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		23.60		25.0	0.0
100	PI2 BPSK	1	137		23.71			
100	PI2 BPSK	1	271		23.24			
100	PI2 BPSK	135	0		23.64		25.0	0.0
100	PI2 BPSK	135	69		23.71		25.0	0.0
100	PI2 BPSK	135	138		23.09		25.0	0.0
100	PI2 BPSK	270	0		23.39		25.0	0.0
100	QPSK	1	1		23.88			
100	QPSK	1	197		23.86			
100	QPSK	1	271		23.22		25.0	0.0
100	QPSK	135	0		23.60		25.0	0.0
100	QPSK	135	69		23.65		25.0	0.0
100	QPSK	135	138		23.08		25.0	0.0
100	QPSK	270	0		23.05		25.0	0.0
100	16QAM	1	1		23.47			
100	64QAM	1	1		22.68			
100	256QAM	1	1		20.79		22.5	2.5
Channel				649968	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		23.71	23.82	23.84	25.0 0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		23.77	23.75	23.82	25.0 0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		23.85	23.78	23.77	25.0 0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		23.86	23.76	23.82	25.0 0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		23.76	23.80	23.84	25.0 0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		23.71	23.83	23.85	25.0 0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		23.76	23.77	23.78	25.0 0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		23.84	23.84	23.77	25.0 0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63000		63334		
Frequency (MHz)				3500.01				
100	Pl2 BPSK	1	1		23.29		24.0	0.0
100	Pl2 BPSK	1	137		22.84			
100	Pl2 BPSK	1	271		22.70			
100	Pl2 BPSK	135	0		22.63		23.5	0.5
100	Pl2 BPSK	135	69		23.06		24.0	0.0
100	Pl2 BPSK	135	138		22.22		23.5	0.5
100	Pl2 BPSK	270	0		22.52		24.0	0.0
100	QPSK	1	1		23.30			
100	QPSK	1	197		23.06			
100	QPSK	1	271		22.92		23.0	1.0
100	QPSK	135	0		22.18			
100	QPSK	135	69		23.01			
100	QPSK	135	138		21.73		23.0	1.0
100	QPSK	270	0		21.98		23.0	1.0
100	16QAM	1	1		22.27			
100	64QAM	1	1		20.92			
100	256QAM	1	1		18.59		19.5	4.5
Channel				633000	63334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	24.0	0.0
90	QPSK	1	1	23.11	23.19	23.15	24.0	0.0
Channel				630668	63334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3498.02	3500.01	3502.0	24.0	0.0
80	QPSK	1	1	23.12	23.23	23.09	24.0	0.0
Channel				632334	63334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495.01	3500.01	3515.01	24.0	0.0
70	QPSK	1	1	23.21	23.29	23.10	24.0	0.0
Channel				632000	63334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490	3500.01	3520.02	24.0	0.0
60	QPSK	1	1	23.18	23.24	23.09	24.0	0.0
Channel				631668	63334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	24.0	0.0
50	QPSK	1	1	23.19	23.19	23.09	24.0	0.0
Channel				631334	63334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.01	3500.01	3520.01	24.0	0.0
40	QPSK	1	1	23.19	23.20	23.17	24.0	0.0
Channel				631000	63334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	24.0	0.0
30	QPSK	1	1	23.14	23.20	23.15	24.0	0.0
Channel				630668	63334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0
20	QPSK	1	1	23.16	23.27	23.14	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63000		63334		
Frequency (MHz)				3500.01				
100	Pl2 BPSK	1	1		24.17		25.0	0.0
100	Pl2 BPSK	1	137		24.26			
100	Pl2 BPSK	1	271		24.03			
100	Pl2 BPSK	135	0		23.82		25.0	0.0
100	Pl2 BPSK	135	69		24.22		25.0	0.0
100	Pl2 BPSK	135	138		23.75		25.0	0.0
100	Pl2 BPSK	270	0		23.85		25.0	0.0
100	QPSK	1	1		24.33			
100	QPSK	1	197		24.30			
100	QPSK	1	271		24.12		25.0	0.0
100	QPSK	135	0		23.87			
100	QPSK	135	69		24.21			
100	QPSK	135	138		23.78		25.0	0.0
100	QPSK	270	0		23.47		25.0	0.0
100	16QAM	1	1		23.41			
100	64QAM	1	1		22.96			
100	256QAM	1	1		21.71		22.5	2.5
Channel				633000	63334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	24.0	0.0
90	QPSK	1	1	24.16	24.24	24.15	25.0	0.0
Channel				630668	63334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3498.02	3500.01	3502.0	25.0	0.0
80	QPSK	1	1	24.18	24.29	24.19	25.0	0.0
Channel				632334	63334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495.01	3500.01	3515.01	25.0	0.0
70	QPSK	1	1	24.17	24.29	24.15	25.0	0.0
Channel				632000	63334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490	3500.01	3520.02	25.0	0.0
60	QPSK	1	1	24.08	24.21	24.15	25.0	0.0
Channel				631668	63334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	25.0	0.0
50	QPSK	1	1	24.23	24.26	24.21	25.0	0.0
Channel				631334	63334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.01	3500.01	3520.01	25.0	0.0
40	QPSK	1	1	24.10	24.24	24.17	25.0	0.0
Channel				631000	63334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	25.0	0.0
30	QPSK	1	1	24.20	24.29	24.22	25.0	0.0
Channel				630668	63334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	25.0	0.0
20	QPSK	1	1	24.07	24.20	24.07	25.0	0.0



n48 Part96 Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				636000	641666	646332		
Frequency (MHz)				3370	3624.99	3679.98		
40	PI2 BPSK	1	1	20.02	20.09	19.99		
40	PI2 BPSK	1	53	19.94	20.10	19.97	21.0	0.0
40	PI2 BPSK	1	104	20.06	20.09	19.98		
40	PI2 BPSK	50	0	20.08	20.13	20.04	21.0	0.0
40	PI2 BPSK	50	28	19.94	20.06	19.91	21.0	0.0
40	PI2 BPSK	50	56	19.91	20.05	19.89		
40	PI2 BPSK	100	0	19.86	20.03	19.86	21.0	0.0
40	QPSK	1	1	20.01	20.18	20.14		
40	QPSK	1	53	19.99	20.14	20.01	21.0	0.0
40	QPSK	1	104	20.01	20.03	19.99		
40	QPSK	50	0	19.86	20.02	19.84	21.0	0.0
40	QPSK	50	28	20.01	20.08	20.06	21.0	0.0
40	QPSK	50	56	19.98	20.05	19.90		
40	QPSK	100	0	19.90	20.05	19.90	21.0	0.0
40	16QAM	1	1	20.07	20.14	19.98	21.0	0.0
40	64QAM	1	1	19.13	19.22	19.18	20.0	1.0
40	256QAM	1	1	16.72	16.77	16.64	18.0	3.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3660.01	3662.99	3669		
20	QPSK	1	1	19.93	20.09	20.10	21.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3664	3664.99	3664.98		
10	QPSK	1	1	19.90	20.02	19.98	21.0	0.0

Part270 n77 Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	660000		
Frequency (MHz)				3700	3840	3900		
100	PI2 BPSK	1	1	20.96	21.01	20.82		
100	PI2 BPSK	1	137	21.02	21.10	20.98	22.0	0.0
100	PI2 BPSK	1	271	20.94	21.09	21.03		
100	PI2 BPSK	135	0	20.42	20.46	20.34	21.5	0.5
100	PI2 BPSK	135	69	20.97	21.06	21.00	22.0	0.0
100	PI2 BPSK	135	138	20.38	20.52	20.40		
100	PI2 BPSK	270	0	20.41	20.55	20.49	21.5	0.5
100	QPSK	1	1	21.07	21.16	21.10		
100	QPSK	1	137	20.96	21.01	20.99	22.0	0.0
100	QPSK	1	271	20.95	20.99	20.91		
100	QPSK	135	0	19.84	19.88	19.89	21.0	1.0
100	QPSK	135	69	21.04	21.08	20.96	22.0	0.0
100	QPSK	135	138	19.89	19.97	19.83	21.0	1.0
100	QPSK	270	0	19.94	20.03	19.93		
100	16QAM	1	1	20.02	20.13	20.10	21.0	1.0
100	64QAM	1	1	18.79	18.89	18.82	19.5	2.5
100	256QAM	1	1	16.30	16.40	16.25	17.5	4.5
Channel				650000	656000	660000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.99	21.02	21.05	22.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.94	21.03	21.07	22.0	0.0
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.93	21.09	21.03	22.0	0.0
Channel				648968	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.93	21.05	20.97	22.0	0.0
Channel				648334	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.94	21.02	21.02	22.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724	3840	3949		
40	QPSK	1	1	20.92	21.04	20.96	22.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3955.01		
30	QPSK	1	1	20.96	21.10	21.02	22.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.96	21.10	20.95	22.0	0.0

Part270 n77 PC2 Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	660000		
Frequency (MHz)				3750	3840	3900		
100	PI2 BPSK	1	1	24.01	24.04	23.99		
100	PI2 BPSK	1	137	23.94	24.07	23.98	25.0	0.0
100	PI2 BPSK	1	271	23.72	23.85	23.73		
100	PI2 BPSK	135	0	23.49	23.62	23.58	24.5	0.5
100	PI2 BPSK	135	69	23.94	24.06	24.03	25.0	0.0
100	PI2 BPSK	135	138	23.37	23.47	23.41		
100	PI2 BPSK	270	0	23.54	23.65	23.60	24.5	0.5
100	QPSK	1	1	24.07	24.16	24.04		
100	QPSK	1	137	24.06	24.15	24.02	25.0	0.0
100	QPSK	1	271	23.92	23.98	23.84		
100	QPSK	135	0	22.87	23.11	23.05	24.0	1.0
100	QPSK	135	69	24.04	24.12	24.00	25.0	0.0
100	QPSK	135	138	23.01	23.15	23.08	24.0	1.0
100	QPSK	270	0	23.08	23.20	23.08		
100	16QAM	1	1	22.79	22.94	22.80	24.0	1.0
100	64QAM	1	1	21.90	21.96	21.93	22.5	2.5
100	256QAM	1	1	19.45	19.55	19.45	20.5	4.5
Channel				650000	656000	660000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.94	24.02	23.91	25.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.98	24.04	23.95	25.0	0.0
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.93	24.09	23.93	25.0	0.0
Channel				648968	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.98	24.03	23.92	25.0	0.0
Channel				648334	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.97	24.09	23.99	25.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724	3840	3949		
40	QPSK	1	1	23.96	24.02	23.95	25.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3955.01		
30	QPSK	1	1	23.95	24.09	23.97	25.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	24.00	24.10	23.99	25.0	0.0

Part27Q n77 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)						2113			
100	Pl2 BPSK	1	1			2113			
100	Pl2 BPSK	1	137			2124			
100	Pl2 BPSK	1	271			2107			
100	Pl2 BPSK	135	0			20.84	21.5	0.5	
100	Pl2 BPSK	135	69			21.26	22.0	0.0	
100	Pl2 BPSK	135	138			20.58	21.5	0.5	
100	Pl2 BPSK	270	0			20.79			
100	QPSK	1	1			21.38			
100	QPSK	1	197			21.19			
100	QPSK	1	271			21.02	22.0	0.0	
100	QPSK	135	0			20.34	21.0	1.0	
100	QPSK	135	69			21.22	22.0	0.0	
100	QPSK	135	138			20.06	21.0	1.0	
100	QPSK	270	0			20.23			
100	16QAM	1	1			20.38	21.0	1.0	
100	64QAM	1	1			19.02	19.5	2.5	
100	256QAM	1	1			16.50	17.5	4.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	21.18	21.35	21.17	22.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3498.02	3500.01	3502.0			
80	QPSK	1	1	21.28	21.32	21.14	22.0	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	21.23	21.25	21.19	22.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	21.22	21.32	21.17	22.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	21.23	21.34	21.14	22.0	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	21.25	21.23	21.16	22.0	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	21.27	21.30	21.12	22.0	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	21.22	21.27	21.17	22.0	0.0	

Part27Q n77 PC2 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)						2344			
100	Pl2 BPSK	1	1			2323			
100	Pl2 BPSK	1	137			23.23			
100	Pl2 BPSK	1	271			23.35			
100	Pl2 BPSK	135	0			23.12	24.0	0.0	
100	Pl2 BPSK	135	69			23.39	24.0	0.0	
100	Pl2 BPSK	135	138			22.89	24.0	0.0	
100	Pl2 BPSK	270	0			22.74			
100	QPSK	1	1			23.49			
100	QPSK	1	197			23.36			
100	QPSK	1	271			23.24	24.0	0.0	
100	QPSK	135	0			22.65	24.0	0.0	
100	QPSK	135	69			23.32	24.0	0.0	
100	QPSK	135	138			22.78	24.0	0.0	
100	QPSK	270	0			22.41			
100	16QAM	1	1			22.62			
100	64QAM	1	1			21.80	22.5	1.5	
100	256QAM	1	1			20.07	20.5	3.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	23.38	23.43	23.43	24.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3498.02	3500.01	3502.0			
80	QPSK	1	1	23.38	23.43	23.31	24.0	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	23.32	23.41	23.35	24.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	23.39	23.37	23.31	24.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	23.35	23.38	23.36	24.0	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	23.40	23.37	23.35	24.0	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	23.38	23.37	23.38	24.0	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	23.36	23.35	23.36	24.0	0.0	

Part270 n78 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pl2 BPSK	1	1		20.98		22.0	0.0	
100	Pl2 BPSK	1	137		21.07				
100	Pl2 BPSK	1	271		21.04				
100	Pl2 BPSK	135	0		20.47		21.5	0.5	
100	Pl2 BPSK	135	69		21.04		22.0	0.0	
100	Pl2 BPSK	135	138		20.50		21.5	0.5	
100	Pl2 BPSK	270	0		20.49		22.0	0.0	
100	QPSK	1	1		21.12				
100	QPSK	1	137		21.01				
100	QPSK	1	271		20.93				
100	QPSK	135	0		19.98		21.0	1.0	
100	QPSK	135	69		21.08		22.0	0.0	
100	QPSK	135	138		19.99		21.0	1.0	
100	QPSK	270	0		20.06		21.0	1.0	
100	16QAM	1	1		20.09				
100	64QAM	1	1		18.76		19.5	2.5	
100	256QAM	1	1		16.53		17.5	4.5	
Channel				649968	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	21.01	21.05	21.01	22.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	21.00	20.98	21.04	22.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	21.03	20.99	20.98	22.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	20.95	20.99	20.97	22.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	21.00	21.06	20.97	22.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.04	21.00	20.94	22.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	21.01	21.05	20.94	22.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	20.99	21.04	20.97	22.0	0.0	

Part270 n78 PC2 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pl2 BPSK	1	1		23.59		25.0	0.0	
100	Pl2 BPSK	1	137		23.05				
100	Pl2 BPSK	1	271		23.51				
100	Pl2 BPSK	135	0		23.44		24.5	0.5	
100	Pl2 BPSK	135	69		23.63		25.0	0.0	
100	Pl2 BPSK	135	138		23.19		24.5	0.5	
100	Pl2 BPSK	270	0		23.41		25.0	0.0	
100	QPSK	1	1		23.98				
100	QPSK	1	137		23.46				
100	QPSK	1	271		23.00				
100	QPSK	135	0		22.92		24.0	1.0	
100	QPSK	135	69		23.81		25.0	0.0	
100	QPSK	135	138		22.98		24.0	1.0	
100	QPSK	270	0		23.03		24.0	1.0	
100	16QAM	1	1		23.05				
100	64QAM	1	1		21.82		22.5	2.5	
100	256QAM	1	1		19.54		20.5	4.5	
Channel				649968	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	23.89	23.87	23.84	25.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	23.89	23.85	23.87	25.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	23.87	23.85	23.82	25.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	23.81	23.88	23.81	25.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	23.87	23.91	23.89	25.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	23.91	23.92	23.76	25.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	23.88	23.84	23.82	25.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	23.85	23.93	23.86	25.0	0.0	



Part27Q n78 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	Pl2 BPSK	1	1	21.52			22.0	0.0	
100	Pl2 BPSK	1	137	21.29					
100	Pl2 BPSK	1	271	21.03					
100	Pl2 BPSK	135	0	20.94		21.5	21.5	0.5	
100	Pl2 BPSK	135	69	21.25		22.0	22.0	0.0	
100	Pl2 BPSK	135	138	20.82		21.5	21.5	0.5	
100	Pl2 BPSK	270	0	20.73			22.0	0.0	
100	QPSK	1	1	21.36					
100	QPSK	1	197	21.20					
100	QPSK	1	271	20.94			21.0	1.0	
100	QPSK	135	0	20.45					
100	QPSK	135	69	21.23		22.0			
100	QPSK	135	138	20.17		21.0	21.0	1.0	
100	QPSK	270	0	20.36			21.0	1.0	
100	16QAM	1	1	20.54					
100	64QAM	1	1	19.29		19.5	19.5	2.5	
100	256QAM	1	1	16.80		17.5	17.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)		
Frequency (MHz)				3495	3500.01	3505.02	MPR (dB)		
90	QPSK	1	1	21.25	21.28	21.30	22.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)		
Frequency (MHz)				3489.02	3500.01	3510	MPR (dB)		
80	QPSK	1	1	21.30	21.25	21.30	22.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)		
Frequency (MHz)				3485.01	3500.01	3515.01	MPR (dB)		
70	QPSK	1	1	21.24	21.54	21.18	22.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)		
Frequency (MHz)				3480	3500.01	3520.02	MPR (dB)		
60	QPSK	1	1	21.25	21.33	21.22	22.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)		
Frequency (MHz)				3475.02	3500.01	3525	MPR (dB)		
50	QPSK	1	1	21.23	21.24	21.28	22.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)		
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (dB)		
40	QPSK	1	1	21.26	21.27	21.25	22.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)		
Frequency (MHz)				3465	3500.01	3535.02	MPR (dB)		
30	QPSK	1	1	21.28	21.31	21.19	22.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)		
Frequency (MHz)				3460.02	3500.01	3540	MPR (dB)		
20	QPSK	1	1	21.26	21.34	21.24	22.0	0.0	

Part27Q n78 PC2 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	P2 BPSK	1	1	23.42			24.0	0.0	
100	P2 BPSK	1	137	23.35					
100	P2 BPSK	1	271	23.23					
100	P2 BPSK	135	0	22.96			24.0	0.0	
100	P2 BPSK	135	69	23.33			24.0	0.0	
100	P2 BPSK	135	138	22.87			24.0	0.0	
100	P2 BPSK	270	0	22.75			24.0	0.0	
100	QPSK	1	1	23.46					
100	QPSK	1	197	23.32					
100	QPSK	1	271	23.27			24.0	0.0	
100	QPSK	135	0	23.06					
100	QPSK	135	69	23.44					
100	QPSK	135	138	23.00			24.0	0.0	
100	QPSK	270	0	22.61			24.0	0.0	
100	16QAM	1	1	22.65					
100	64QAM	1	1	21.84			22.5	1.5	
100	256QAM	1	1	20.02			20.5	3.5	
Channel				633000	633334	633668	Tune-up limit (dBm)		
Frequency (MHz)				3495	3500.01	3505.02	MPR (dB)		
90	QPSK	1	1	23.27	23.33	23.35	24.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)		
Frequency (MHz)				3489.02	3500.01	3510	MPR (dB)		
80	QPSK	1	1	23.30	23.38	23.30	24.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)		
Frequency (MHz)				3485.01	3500.01	3515.01	MPR (dB)		
70	QPSK	1	1	23.32	23.34	23.39	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)		
Frequency (MHz)				3480	3500.01	3520.02	MPR (dB)		
60	QPSK	1	1	23.31	23.37	23.29	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)		
Frequency (MHz)				3475.02	3500.01	3525	MPR (dB)		
50	QPSK	1	1	23.28	23.37	23.37	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)		
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (dB)		
40	QPSK	1	1	23.37	23.34	23.27	24.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)		
Frequency (MHz)				3465	3500.01	3535.02	MPR (dB)		
30	QPSK	1	1	23.33	23.34	23.36	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)		
Frequency (MHz)				3460.02	3500.01	3540	MPR (dB)		
20	QPSK	1	1	23.39	23.37	23.31	24.0	0.0	

n7 Ant5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	22.92	23.04	22.94		
40	PI/2 BPSK	1	108	22.89	23.01	22.90	24.0	0.0
40	PI/2 BPSK	1	214	22.90	22.96	22.87		
40	PI/2 BPSK	108	0	22.26	22.37	22.27	23.5	0.5
40	PI/2 BPSK	108	54	22.87	22.93	22.96	24.0	0.0
40	PI/2 BPSK	108	108	22.28	22.34	22.23		
40	PI/2 BPSK	216	0	22.30	22.40	22.36	23.5	0.5
40	QPSK	1	1	23.02	23.11	23.06		
40	QPSK	1	108	22.97	23.08	22.98	24.0	0.0
40	QPSK	1	214	22.94	23.03	22.89		
40	QPSK	108	0	21.80	21.88	21.77	23.0	1.0
40	QPSK	108	54	22.92	22.96	22.90	24.0	0.0
40	QPSK	108	108	21.79	21.86	21.71		
40	QPSK	216	0	21.82	21.95	21.91	23.0	1.0
40	16QAM	1	1	21.82	21.92	21.79	23.0	1.0
40	64QAM	1	1	20.30	20.41	20.34	21.5	2.5
40	256QAM	1	1	18.26	18.39	18.36	19.5	4.5
Channel				508000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.89	23.03	22.95	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.93	23.04	23.00	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.89	23.08	22.99	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.98	23.08	22.98	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.94	22.99	22.93	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.93	23.05	23.01	24.0	0.0



n38 Ant6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	Pi2 BPSK	1	1	21.89	21.94	21.88	23.0	0.0
40	Pi2 BPSK	1	53	21.76	21.90	21.82		
40	Pi2 BPSK	1	104	21.80	21.85	21.74		
40	Pi2 BPSK	50	0	21.34	21.46	21.37	22.5	0.5
40	Pi2 BPSK	50	26	21.88	21.93	21.86	23.0	0.0
40	Pi2 BPSK	50	56	21.39	21.44	21.36	22.5	0.5
40	Pi2 BPSK	100	0	20.77	20.89	20.80		
40	QPSK	1	1	21.89	21.97	21.86	23.0	0.0
40	QPSK	1	53	21.78	21.87	21.72		
40	QPSK	1	104	21.79	21.83	21.74		
40	QPSK	50	0	20.80	20.88	20.83	22.0	1.0
40	QPSK	50	26	21.85	21.96	21.88	23.0	0.0
40	QPSK	50	56	20.80	20.93	20.81	22.0	1.0
40	QPSK	100	0	20.87	20.97	20.85		
40	16QAM	1	1	20.83	20.89	20.84	22.0	1.0
40	64QAM	1	1	19.47	19.62	19.54	20.5	2.5
40	256QAM	1	1	17.42	17.46	17.42	18.5	4.5
Channel				519002	519500	519998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	21.77	21.91	21.73	23.0	0.0
Channel				519000	519000	522000		
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	21.74	21.84	21.72	23.0	0.0

n41 Ant6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509002	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	Pi2 BPSK	1	1	22.79	22.93	22.82	24.0	0.0
100	Pi2 BPSK	1	137	22.86	22.89	22.78		
100	Pi2 BPSK	1	271	22.91	22.95	22.80		
100	Pi2 BPSK	135	0	22.28	22.32	22.27	23.5	0.5
100	Pi2 BPSK	135	69	22.78	22.86	22.82	24.0	0.0
100	Pi2 BPSK	135	138	22.29	22.40	22.39		
100	Pi2 BPSK	270	0	22.34	22.44	22.35	23.5	0.5
100	QPSK	1	1	22.88	22.97	22.84	24.0	0.0
100	QPSK	1	137	22.87	22.96	22.85		
100	QPSK	1	271	22.81	22.84	22.86		
100	QPSK	135	0	21.73	21.88	21.78	23.0	1.0
100	QPSK	135	69	22.82	22.91	22.83	24.0	0.0
100	QPSK	135	138	21.82	21.85	21.71		
100	QPSK	270	0	21.81	21.89	21.75	23.0	1.0
100	16QAM	1	1	22.02	22.09	22.03	23.0	1.0
100	64QAM	1	1	20.54	20.68	20.59	21.5	2.5
100	256QAM	1	1	18.32	18.45	18.41	19.5	4.5
Channel				509200	518598	529998		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.79	22.85	22.79	24.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2608.05	2602.99	2609.98		
80	QPSK	1	1	22.81	22.88	22.75	24.0	0.0
Channel				509200	518598	531998		
Frequency (MHz)				2536	2592.99	2609.98		
60	QPSK	1	1	22.84	22.83	22.74	24.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2604.99		
50	QPSK	1	1	22.80	22.84	22.78	24.0	0.0
Channel				503502	518598	530500		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.83	22.86	22.75	24.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2614.98		
30	QPSK	1	1	22.82	22.92	22.72	24.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.78	22.83	22.76	24.0	0.0

n41 PC2 Ant6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504002	518598	528000		
Frequency (MHz)				2548.01	2592.99	2640		
100	Pi2 BPSK	1	1	26.05	26.08	25.97	27.0	0.0
100	Pi2 BPSK	1	137	25.72	25.81	25.74		
100	Pi2 BPSK	1	271	25.75	25.84	25.79		
100	Pi2 BPSK	135	0	25.27	25.42	25.34	26.5	0.5
100	Pi2 BPSK	135	69	25.92	25.99	25.86	27.0	0.0
100	Pi2 BPSK	135	138	25.17	25.25	25.11	26.5	0.5
100	Pi2 BPSK	270	0	25.35	25.44	25.41		
100	QPSK	1	1	26.03	26.10	25.96		
100	QPSK	1	137	25.80	25.84	25.65	27.0	0.0
100	QPSK	1	271	25.74	25.86	25.73		
100	QPSK	135	0	24.83	24.84	24.80	26.0	1.0
100	QPSK	135	69	25.86	25.92	25.85	27.0	0.0
100	QPSK	135	138	24.65	24.75	24.64	26.0	1.0
100	QPSK	270	0	24.81	24.85	24.80		
100	16QAM	1	1	24.82	24.87	24.74		
100	64QAM	1	1	23.60	23.68	23.65	24.5	2.5
100	256QAM	1	1	21.28	21.42	21.28	22.5	4.5
Channel				509200	518598	529998		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.90	25.97	25.85	27.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2608.05	2602.99	2609.98		
80	QPSK	1	1	25.97	25.95	25.90	27.0	0.0
Channel				509200	518598	531998		
Frequency (MHz)				2536	2592.99	2609.98		
60	QPSK	1	1	25.89	25.90	25.82	27.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2604.99		
50	QPSK	1	1	25.90	25.97	25.82	27.0	0.0
Channel				503502	518598	530500		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.92	25.99	25.88	27.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2614.98		
30	QPSK	1	1	25.97	26.07	25.85	27.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.91	26.01	25.91	27.0	0.0



n38 Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516998	24.0	0.0	
Frequency (MHz)				2580.02	2595	2599.98			
40	PI2 BPSK	1	1	23.14	23.25	23.10			
40	PI2 BPSK	1	53	23.26	23.30	23.15			
40	PI2 BPSK	1	104	23.21	23.36	23.28	23.5	0.5	
40	PI2 BPSK	50	0	22.63	22.73	22.58	23.5	0.5	
40	PI2 BPSK	50	28	23.20	23.29	23.23	24.0	0.0	
40	PI2 BPSK	50	58	22.70	22.79	22.71	23.5	0.5	
40	PI2 BPSK	100	0	22.75	22.83	22.76	24.0	0.0	
40	QPSK	1	1	23.36	23.46	23.41			
40	QPSK	1	53	23.25	23.28	23.16			
40	QPSK	1	104	23.28	23.34	23.25			
40	QPSK	50	0	22.19	22.24	22.16	23.0	1.0	
40	QPSK	50	28	23.29	23.39	23.27	24.0	0.0	
40	QPSK	50	58	22.29	22.33	22.23	23.0	1.0	
40	QPSK	100	0	22.35	22.42	22.30	23.0	1.0	
40	16QAM	1	1	22.28	22.34	22.26			
40	64QAM	1	1	20.73	20.81	20.68			
40	256QAM	1	1	18.88	18.92	18.88			
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.29	23.39	23.28	24.0	0.0	
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.28	23.36	23.32	24.0	0.0	

n41 Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	518598	520000	24.0	0.0	
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	23.41	23.51	23.36			
100	PI2 BPSK	1	137	23.05	23.17	23.14			
100	PI2 BPSK	1	271	23.37	23.48	23.42	24.0	0.0	
100	PI2 BPSK	135	0	22.85	22.75	22.68	23.5	0.5	
100	PI2 BPSK	135	69	23.23	23.35	23.30	24.0	0.0	
100	PI2 BPSK	135	138	22.81	22.92	22.85	23.5	0.5	
100	PI2 BPSK	270	0	22.80	22.95	22.91	24.0	0.0	
100	QPSK	1	1	23.36	23.53	23.40			
100	QPSK	1	137	23.17	23.23	23.13			
100	QPSK	1	271	23.40	23.48	23.36			
100	QPSK	135	0	22.41	22.47	22.40	23.0	1.0	
100	QPSK	135	69	23.42	23.48	23.44	24.0	0.0	
100	QPSK	135	138	22.41	22.48	22.37	23.0	1.0	
100	QPSK	270	0	22.47	22.51	22.46	23.0	1.0	
100	16QAM	1	1	22.35	22.49	22.37			
100	64QAM	1	1	20.98	21.05	21.02			
100	256QAM	1	1	19.06	19.17	19.10			
Channel				505002	518598	520998	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	23.29	23.48	23.29	24.0	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.28	23.42	23.34	24.0	0.0	
Channel				505000	518598	531998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	23.30	23.48	23.35	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	23.30	23.44	23.36	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	23.28	23.45	23.29	24.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.31	23.46	23.30	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.33	23.43	23.31	24.0	0.0	

n41 PC2 Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				259202	518598	530000	27.0	0.0	
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	25.05	25.09	25.03			
100	PI2 BPSK	1	137	25.21	25.28	25.22	27.0	0.0	
100	PI2 BPSK	1	271	25.04	25.13	25.09	26.5	0.5	
100	PI2 BPSK	135	0	24.74	24.85	24.74			
100	PI2 BPSK	135	69	25.22	25.36	25.23			
100	PI2 BPSK	135	138	25.13	25.28	25.17			
100	PI2 BPSK	270	0	25.22	25.36	25.28	27.0	0.0	
100	QPSK	1	1	25.33	25.36	25.24			
100	QPSK	1	137	25.18	25.26	25.12			
100	QPSK	1	271	25.08	25.12	25.03			
100	QPSK	135	0	24.75	24.87	24.76	26.0	1.0	
100	QPSK	135	69	25.09	25.17	25.03	27.0	0.0	
100	QPSK	135	138	24.96	25.10	24.97	26.0	1.0	
100	QPSK	270	0	24.89	24.95	24.85	26.0	1.0	
100	16QAM	1	1	24.57	24.60	24.45			
100	64QAM	1	1	23.64	23.68	23.57			
100	256QAM	1	1	21.98	22.02	21.92			
Channel				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	25.26	25.27	25.15	27.0	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	25.25	25.29	25.20	27.0	0.0	
Channel				505000	518598	531998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	25.19	25.29	25.16	27.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	25.22	25.25	25.16	27.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	25.23	25.24	25.09	27.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	25.29	25.32	25.10	27.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	25.26	25.28	25.10	27.0	0.0	



n48 Part96									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				3370	3624.99	3679.98			
40	PV2 BPSK	1	1	20.26	20.36	20.27	21.0	0.0	
40	PV2 BPSK	1	53	20.30	20.40	20.37			
40	PV2 BPSK	1	104	20.18	20.31	20.18			
40	PV2 BPSK	50	0	20.21	20.30	20.21	21.0	0.0	
40	PV2 BPSK	50	28	20.31	20.36	20.22	21.0	0.0	
40	PV2 BPSK	50	56	20.26	20.35	20.29	21.0	0.0	
40	PV2 BPSK	100	0	20.25	20.29	20.27	21.0	0.0	
40	QPSK	1	1	20.37	20.46	20.34			
40	QPSK	1	53	20.27	20.35	20.25			
40	QPSK	1	104	20.28	20.34	20.23	21.0	0.0	
40	QPSK	50	0	20.23	20.40	20.33			
40	QPSK	50	28	20.32	20.41	20.37			
40	QPSK	50	56	20.31	20.38	20.28	21.0	0.0	
40	QPSK	100	0	20.18	20.33	20.27	21.0	0.0	
40	16QAM	1	1	20.21	20.35	20.24			
40	64QAM	1	1	20.16	20.30	20.26			
40	256QAM	1	1	18.74	18.81	18.66	19.5	1.5	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.01	3624.99	3660			
20	QPSK	1	1	20.26	20.34	20.30	21.0	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660	3624.99	3664.86			
10	QPSK	1	1	20.27	20.30	20.22	21.0	0.0	

Part270 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				650000	650000	650000			
Frequency (MHz)				3700	3840	3900			
100	PV2 BPSK	1	1	23.07	23.16	23.06	24.0	0.0	
100	PV2 BPSK	1	137	22.96	23.08	23.05			
100	PV2 BPSK	1	271	22.83	22.97	22.88			
100	PV2 BPSK	135	0	22.85	22.88	22.50	23.5	0.5	
100	PV2 BPSK	135	69	23.08	23.12	23.04	24.0	0.0	
100	PV2 BPSK	135	138	22.37	22.52	22.48	23.5	0.5	
100	PV2 BPSK	270	0	22.51	22.60	22.56	24.0	0.0	
100	QPSK	1	1	23.07	23.18	23.03			
100	QPSK	1	137	22.96	23.15	23.04			
100	QPSK	1	271	22.78	22.89	22.84	23.0	1.0	
100	QPSK	135	0	22.05	22.09	22.04			
100	QPSK	135	69	23.04	23.13	23.08			
100	QPSK	135	138	21.95	22.01	21.86	23.0	1.0	
100	QPSK	270	0	22.00	22.10	22.03	23.0	1.0	
100	16QAM	1	1	22.25	22.31	22.22			
100	64QAM	1	1	20.79	20.93	20.84	21.5	2.5	
100	256QAM	1	1	18.72	18.77	18.73	19.5	4.5	
Channel				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.97	23.12	22.91	24.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.03	23.10	22.97	24.0	0.0	
Channel				648000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730	3840	3945			
70	QPSK	1	1	22.96	23.13	22.89	24.0	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	22.98	23.04	22.92	24.0	0.0	
Channel				648334	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.97	23.05	22.98	24.0	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3724	3840	3960			
40	QPSK	1	1	23.04	23.11	22.92	24.0	0.0	
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.94	23.13	22.90	24.0	0.0	
Channel				647334	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.94	23.04	22.97	24.0	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				650000	650000	650000			
Frequency (MHz)				3750	3840	3900			
100	PV2 BPSK	1	1	26.16	26.22	26.18	27.0	0.0	
100	PV2 BPSK	1	137	25.91	26.02	25.92			
100	PV2 BPSK	1	271	25.84	25.90	25.78			
100	PV2 BPSK	135	0	25.47	25.61	25.49	26.5	0.5	
100	PV2 BPSK	135	69	25.92	26.01	25.87	27.0	0.0	
100	PV2 BPSK	135	138	25.35	25.44	25.38	26.5	0.5	
100	PV2 BPSK	270	0	25.58	25.72	25.65	27.0	0.0	
100	QPSK	1	1	26.16	26.27	26.20			
100	QPSK	1	137	26.14	26.19	26.13			
100	QPSK	1	271	25.85	25.86	25.88	26.0	1.0	
100	QPSK	135	0	25.17	25.31	25.27			
100	QPSK	135	69	26.01	26.06	26.00			
100	QPSK	135	138	25.11	25.25	25.14	26.0	1.0	
100	QPSK	270	0	25.15	25.31	25.15	26.0	1.0	
100	16QAM	1	1	25.27	25.42	25.30			
100	64QAM	1	1	23.74	23.81	23.66	24.5	2.5	
100	256QAM	1	1	21.51	21.60	21.45	22.5	4.5	
Channel				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	26.09	26.14	26.17	27.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	26.11	26.15	26.14	27.0	0.0	
Channel				648000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730	3840	3945			
70	QPSK	1	1	26.03	26.22	26.15	27.0	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	26.12	26.12	26.06	27.0	0.0	
Channel				648334	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	26.09	26.14	26.10	27.0	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3724	3840	3960			
40	QPSK	1	1	26.04	26.20	26.15	27.0	0.0	
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	26.03	26.14	26.08	27.0	0.0	
Channel				647334	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	26.08	26.15	26.08	27.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)				3500.01					
100	Pl2 BPSK	1	1		23.38				
100	Pl2 BPSK	1	137		23.26		24.0	0.0	
100	Pl2 BPSK	1	271		23.05				
100	Pl2 BPSK	135	0		22.89		23.5	0.5	
100	Pl2 BPSK	135	69		23.24		24.0	0.0	
100	Pl2 BPSK	135	138		22.83		23.5	0.5	
100	Pl2 BPSK	270	0		22.71				
100	QPSK	1	1		23.40				
100	QPSK	1	197		23.20		24.0	0.0	
100	QPSK	1	271		23.15				
100	QPSK	135	0		22.34		23.0	1.0	
100	QPSK	135	69		23.22		24.0	0.0	
100	QPSK	135	138		22.12		23.0	1.0	
100	QPSK	270	0		22.17				
100	16QAM	1	1		22.38		23.0	1.0	
100	64QAM	1	1		20.72		21.5	2.5	
100	256QAM	1	1		18.07		19.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		23.24	23.26	23.22	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3488.02	3500.01	3510			
80	QPSK	1	1		23.17	23.36	23.18	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		23.21	23.31	23.17	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		23.16	23.28	23.24	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		23.18	23.32	23.23	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		23.19	23.29	23.19	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		23.16	23.34	23.22	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		23.23	23.34	23.18	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	P2 BPSK	1	1		25.84				
100	P2 BPSK	1	137		25.81		27.0	0.0	
100	P2 BPSK	1	271		25.54				
100	P2 BPSK	135	0		25.18		26.5	0.5	
100	P2 BPSK	135	69		25.72		27.0	0.0	
100	P2 BPSK	135	138		25.25		26.5	0.5	
100	P2 BPSK	270	0		25.30				
100	QPSK	1	1		25.91				
100	QPSK	1	137		25.51		27.0	0.0	
100	QPSK	1	271		25.86				
100	QPSK	135	0		25.27		26.0	1.0	
100	QPSK	135	69		25.68		27.0	0.0	
100	QPSK	135	138		25.34		26.0	1.0	
100	QPSK	270	0		25.25				
100	16QAM	1	1		25.15		26.0	1.0	
100	64QAM	1	1		23.68		24.5	2.5	
100	256QAM	1	1		21.94		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		25.77	25.79	25.72	27.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3488.02	3500.01	3510			
80	QPSK	1	1		25.74	25.83	25.74	27.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		25.76	25.84	25.76	27.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		25.75	25.84	25.83	27.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		25.82	25.81	25.83	27.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		25.79	25.84	25.73	27.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		25.81	25.82	25.84	27.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		25.75	25.86	25.78	27.0	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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pl2 BPSK	1	1		23.04		24.0	0.0	
100	Pl2 BPSK	1	137		23.10				
100	Pl2 BPSK	1	271		23.12				
100	Pl2 BPSK	135	0		22.56		23.5	0.5	
100	Pl2 BPSK	135	69		23.07		24.0	0.0	
100	Pl2 BPSK	135	138		22.61		23.5	0.5	
100	Pl2 BPSK	270	0		22.62		24.0	0.0	
100	QPSK	1	1		23.13				
100	QPSK	1	197		23.09				
100	QPSK	1	271		23.06		23.0	1.0	
100	QPSK	135	0		22.02				
100	QPSK	135	69		23.11		24.0	0.0	
100	QPSK	135	138		22.10		23.0	1.0	
100	QPSK	270	0		22.07		23.0	1.0	
100	16QAM	1	1		22.22				
100	64QAM	1	1		20.63		21.5	2.5	
100	256QAM	1	1		18.40		19.5	4.5	
Channel				649968	650032	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	22.89	23.02	22.97	24.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	22.96	23.07	23.01	24.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	22.99	22.99	22.99	24.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	23.00	23.10	22.95	24.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	22.98	23.08	22.99	24.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	22.94	23.09	22.92	24.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	22.92	23.08	22.98	24.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	22.94	23.08	23.04	24.0	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	Pl2 BPSK	1	1		24.13		26.0	0.0	
100	Pl2 BPSK	1	137		24.30				
100	Pl2 BPSK	1	271		24.04				
100	Pl2 BPSK	135	0		24.64		26.0	0.0	
100	Pl2 BPSK	135	69		25.11		26.0	0.0	
100	Pl2 BPSK	135	138		24.59		26.0	0.0	
100	Pl2 BPSK	270	0		24.65		26.0	0.0	
100	QPSK	1	1		25.23				
100	QPSK	1	197		24.57				
100	QPSK	1	271		24.01		26.0	0.0	
100	QPSK	135	0		24.32		26.0	0.0	
100	QPSK	135	69		25.16		26.0	0.0	
100	QPSK	135	138		24.23		26.0	0.0	
100	QPSK	270	0		24.11		26.0	0.0	
100	16QAM	1	1		24.50				
100	64QAM	1	1		23.19		24.5	1.5	
100	256QAM	1	1		21.49		22.5	3.5	
Channel				649968	650032	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	25.16	25.10	25.04	26.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	25.10	25.13	25.05	26.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	25.09	25.11	25.13	26.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	25.13	25.13	25.10	26.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	25.17	25.16	25.14	26.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	25.09	25.20	25.12	26.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	25.11	25.09	25.13	26.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	25.13	25.12	25.04	26.0	0.0	



Part27Q n78 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)						3500.01			
100	Pl2 BPSK	1	1		23.29				
100	Pl2 BPSK	1	137		23.14		24.0	0.0	
100	Pl2 BPSK	1	271		22.90				
100	Pl2 BPSK	135	0		22.64		23.5	0.5	
100	Pl2 BPSK	135	69		23.12		24.0	0.0	
100	Pl2 BPSK	135	138		22.81		23.5	0.5	
100	Pl2 BPSK	270	0		22.49				
100	QPSK	1	1		23.36				
100	QPSK	1	197		23.16		24.0	0.0	
100	QPSK	1	271		22.95				
100	QPSK	135	0		22.29		23.0	1.0	
100	QPSK	135	69		23.22		24.0	0.0	
100	QPSK	135	138		22.26		23.0	1.0	
100	QPSK	270	0		22.71				
100	16QAM	1	1		22.53		23.0	1.0	
100	64QAM	1	1		20.78		21.5	2.5	
100	256QAM	1	1		18.96		19.5	4.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		23.21	23.28	23.27	24.0	0.0
Channel				630668	633334	634000			
Frequency (MHz)				3489.02	3500.01	3510			
80	QPSK	1	1		23.17	23.27	23.25	24.0	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		23.24	23.21	23.24	24.0	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		23.18	23.25	23.24	24.0	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		23.23	23.25	23.17	24.0	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		23.23	23.26	23.27	24.0	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		23.22	23.22	23.16	24.0	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		23.20	23.23	23.23	24.0	0.0

Part27Q n78 PC2 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)						3500.01			
100	Pl2 BPSK	1	1		23.79				
100	Pl2 BPSK	1	137		25.83		27.0	0.0	
100	Pl2 BPSK	1	271		25.54				
100	Pl2 BPSK	135	0		25.07		26.5	0.5	
100	Pl2 BPSK	135	69		25.80		27.0	0.0	
100	Pl2 BPSK	135	138		25.49		26.5	0.5	
100	Pl2 BPSK	270	0		25.65				
100	QPSK	1	1		25.90				
100	QPSK	1	197		25.86		27.0	0.0	
100	QPSK	1	271		25.63				
100	QPSK	135	0		25.18		26.0	1.0	
100	QPSK	135	69		25.81		27.0	0.0	
100	QPSK	135	138		24.90		26.0	1.0	
100	QPSK	270	0		25.14				
100	16QAM	1	1		24.88		26.0	1.0	
100	64QAM	1	1		23.70		24.5	2.5	
100	256QAM	1	1		21.84		22.5	4.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		25.79	25.78	25.76	27.0	0.0
Channel				630668	633334	634000			
Frequency (MHz)				3489.02	3500.01	3510			
80	QPSK	1	1		25.72	25.82	25.72	27.0	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		25.79	25.71	25.74	27.0	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		25.71	25.79	25.78	27.0	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		25.70	25.76	25.71	27.0	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		25.71	25.85	25.76	27.0	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		25.72	25.81	25.79	27.0	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		25.72	25.83	25.75	27.0	0.0



n38 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Max Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Turn-up time (min)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PI2-BPSK	1	1	21.06	21.20	21.13			
40	PI2-BPSK	1	53	21.12	21.24	21.18	22.0	0.0	
40	PI2-BPSK	1	104	21.05	21.15	21.07			
40	PI2-BPSK	50	0	20.69	20.72	20.67	21.5	0.5	
40	PI2-BPSK	50	20	21.06	21.16	21.10	20.0	0.0	
40	PI2-BPSK	50	54	20.74	20.77	20.68	21.5	0.5	
40	PI2-BPSK	100	0	20.67	20.78	20.75			
40	QPSK	1	1	21.23	21.30	21.29			
40	QPSK	1	53	21.25	21.38	21.34	22.0	0.0	
40	QPSK	1	104	21.13	21.18	21.07			
40	QPSK	50	0	20.09	20.18	20.09	21.0	1.0	
40	QPSK	50	20	21.06	21.06	21.06	20.0	0.0	
40	QPSK	50	54	20.19	20.22	20.16	21.0	1.0	
40	QPSK	100	0	20.16	20.25	20.17			
40	SSB-QAM	1	1	19.95	20.07	19.98	21.0	1.0	
40	SSB-QAM	1	1	18.70	18.74	18.58	19.5	2.5	
40	SSB-QAM	1	1	16.36	16.56	16.45	17.5	4.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	21.14	21.20	21.13	22.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	21.19	21.19	21.09	22.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.05	21.05	21.02	22.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	21.19	21.20	21.13	22.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	21.20	21.18	21.10	22.0	0.0	

n41 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Max Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Turn-up time (min)	MPE (dB)	
Channel									
Frequency [MHz]									
100	PI2-BPSK	1	1	21.17	21.22	21.09			
100	PI2-BPSK	1	137	21.04	21.19	21.04	22.0	0.0	
100	PI2-BPSK	1	271	20.98	20.95	20.92			
100	PI2-BPSK	135	0	20.97	20.71	20.64	21.5	0.5	
100	PI2-BPSK	135	86	21.11	21.05	21.04	20.5	0.5	
100	PI2-BPSK	135	138	20.92	20.97	20.89	21.5	0.5	
100	PI2-BPSK	270	0	20.92	20.84	20.80			
100	QPSK	1	1	21.17	21.05	21.10			
100	QPSK	1	137	21.05	21.17	21.03	22.0	0.0	
100	QPSK	1	271	20.72	20.62	20.60			
100	QPSK	135	0	20.18	20.31	20.20	21.0	1.0	
100	QPSK	135	86	21.18	21.06	21.09	20.0	0.0	
100	QPSK	135	138	20.00	20.04	19.99	21.0	1.0	
100	QPSK	270	0	20.10	20.18	20.02			
100	SSB-QAM	1	1	20.08	20.36	20.20	21.0	1.0	
100	SSB-QAM	1	1	18.86	19.81	18.78	19.5	2.5	
100	SSB-QAM	1	1	16.97	16.76	16.63	17.5	4.5	
Channel									
Frequency [MHz]									
90	QPSK	1	1	21.03	21.25	21.05	22.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	21.04	21.05	20.99			
Channel									
Frequency [MHz]									
60	QPSK	1	1	21.06	21.16	21.03	22.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	21.14	21.23	21.11	22.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	21.10	21.18	21.12	22.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.03	21.23	21.04	22.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	21.05	21.20	21.03	20.0	0.0	

n41 PC2 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Max Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Turn-up time (min)	MPE (dB)	
Channel									
Frequency [MHz]									
100	PI2-BPSK	1	1	24.00	24.13	24.08			
100	PI2-BPSK	1	137	23.88	23.93	23.86	25.0	0.0	
100	PI2-BPSK	1	271	23.70	23.84	23.81			
100	PI2-BPSK	135	0	23.91	23.98	23.93	24.5	0.5	
100	PI2-BPSK	135	86	23.80	23.96	23.91	25.5	0.5	
100	PI2-BPSK	135	138	23.23	23.30	23.16	24.5	0.5	
100	PI2-BPSK	270	0	23.92	23.43	23.90			
100	QPSK	1	1	24.00	23.92	24.00			
100	QPSK	1	137	23.75	23.89	23.86	25.0	0.0	
100	QPSK	1	271	23.87	23.78	23.84			
100	QPSK	135	0	22.99	23.08	22.99	24.0	1.0	
100	QPSK	135	86	24.01	23.99	24.00	25.0	0.0	
100	QPSK	135	138	22.82	22.87	22.82	24.0	1.0	
100	QPSK	270	0	22.75	22.80	22.82			
100	SSB-QAM	1	1	23.16	23.24	23.12	24.0	1.0	
100	SSB-QAM	1	1	21.82	21.82	21.87	22.5	2.5	
100	SSB-QAM	1	1	19.51	19.58	19.45	20.5	4.5	
Channel									
Frequency [MHz]									
90	QPSK	1	1	24.01	24.18	24.00	25.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	24.02	24.09	24.03	25.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	23.98	24.00	24.01	25.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.94	24.14	24.10	25.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	24.01	24.14	24.10	25.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	24.04	24.13	24.03	25.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	23.95	24.07	24.08	25.0	0.0	

n48 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Max Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Turn-up time (min)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PI2-BPSK	1	1	19.85	19.99	19.83			
40	PI2-BPSK	1	53	19.98	20.01	19.99	21.0	0.0	
40	PI2-BPSK	1	104	19.92	19.99	19.97			
40	PI2-BPSK	50	0	19.98	20.02	19.98	21.0	0.0	
40	PI2-BPSK	50	20	19.92	20.04	19.95	21.0	0.0	
40	PI2-BPSK	50	54	19.84	19.97	19.85	21.0	0.0	
40	PI2-BPSK	100	0	19.83	19.95	19.87			
40	QPSK	1	1	19.95	20.05	20.01			
40	QPSK	1	53	19.81	19.87	19.84	21.0	0.0	
40	QPSK	1	104	19.93	20.03	19.97			
40	QPSK	50	0	19.97	20.01	19.94	21.0	0.0	
40	QPSK	50	20	19.81	19.92	19.87	21.0	0.0	
40	QPSK	50	54	19.77	19.91	19.86	21.0	0.0	
40	QPSK	100	0	19.81	19.93	19.85	21.0	0.0	
40	SSB-QAM	1	1	19.88	20.02	20.00	21.0	0.0	
40	SSB-QAM	1	1	18.82	19.85	19.85	21.0	0.0	
40	SSB-QAM	1	1	19.43	19.51	19.45	19.5	1.0	
Frequency [MHz]									
40	QPSK	1	1	19.85	19.99	19.86	19.95	0.0	MPE
40	QPSK	1	1	19.95	20.05	19.96	20.04	0.0	MPE
10	QPSK	1	1	19.84	20.00	19.85	20.00	0.0	MPE

Part270 n77 Ant8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch./Freq.	Power Min Ch./Freq.	Power Low Ch./Freq.	Time-up time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI-C BPSK	1	1	22.07	22.05	22.05			
100	PI-C BPSK	1	137	22.09	22.02	22.09	24.0	0.0	
100	PI-C BPSK	1	271	22.04	22.06	22.01			
100	PI-C BPSK	135	0	22.11	22.18	22.10	23.5	0.0	
100	PI-C BPSK	135	0	22.07	22.04	22.02	20.0	0.0	
100	PI-C BPSK	135	138	22.03	22.13	21.99	23.0	0.0	
100	PI-C BPSK	270	0	22.14	22.18	22.05			
100	QPSK	1	1	22.05	22.05	22.05			
100	QPSK	1	137	22.03	22.05	22.09	24.0	0.0	
100	QPSK	1	271	22.05	22.07	22.03			
100	QPSK	135	0	21.91	21.84	21.90	23.0	1.0	
100	QPSK	135	0	21.93	21.87	21.89	20.0	0.0	
100	QPSK	135	138	21.93	21.97	21.91	23.0	1.0	
100	QPSK	270	0	21.98	21.95	21.93			
100	16QAM	1	1	21.98	21.87	21.93	23.0	1.0	
100	16QAM	1	1	20.17	20.21	20.17	21.5	2.0	
100	16QAM	1	1	17.08	16.92	17.08	18.5	4.0	
Channel				849568	850000	849234	Time-up time (dB)	MPR	
Frequency (MHz)									
90	QPSK	1	1	22.33	22.04	22.05	24.0	0.0	
Channel				849334	850000	849668	Time-up time (dB)	MPR	
Frequency (MHz)									
90	QPSK	1	1	22.47	22.05	22.02	24.0	0.0	
Channel				849000	850000	849500	Time-up time (dB)	MPR	
Frequency (MHz)									
70	QPSK	1	1	22.43	22.09	22.01	24.0	0.0	
Channel				848800	850000	849200	Time-up time (dB)	MPR	
Frequency (MHz)									
60	QPSK	1	1	22.50	22.60	22.51	25.0	0.0	
Channel				848334	849000	848668	Time-up time (dB)	MPR	
Frequency (MHz)									
50	QPSK	1	1	22.49	22.04	22.09	23.0	0.0	
Channel				848000	849000	848500	Time-up time (dB)	MPR	
Frequency (MHz)									
40	QPSK	1	1	22.33	22.03	22.01	23.0	0.0	
Channel				847111	848000	847500	Time-up time (dB)	MPR	
Frequency (MHz)									
30	QPSK	1	1	22.03	22.05	22.01	20.0	0.0	
Channel				845334	846000	845668	Time-up time (dB)	MPR	
Frequency (MHz)									
20	QPSK	1	1	22.52	22.05	22.51	24.0	0.0	

Part270 n77 PC2 Ant8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch. Freq.	Power Min Ch. Freq.	Power Low Ch. Freq.	Time-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI-C BPSK	1	1	25.54	25.00	25.00			
100	PI-C BPSK	1	137	25.50	25.55	25.51	27.0	0.0	
100	PI-C BPSK	1	271	25.45	25.51	25.44			
100	PI-C BPSK	135	0	25.07	25.18	25.09	26.0	0.0	
100	PI-C BPSK	135	0	25.03	25.00	25.01	21.0	0.0	
100	PI-C BPSK	135	138	25.07	25.12	24.99	26.0	0.0	
100	PI-C BPSK	270	0	25.03	25.10	25.00			
100	QPSK	1	1	25.08	25.05	25.04			
100	QPSK	1	137	25.45	25.57	25.43	27.0	0.0	
100	QPSK	1	271	25.15	25.00	25.00			
100	QPSK	135	0	24.90	24.82	24.88	18.0	1.0	
100	QPSK	135	0	24.90	24.86	24.87	15.0	0.0	
100	QPSK	135	138	24.95	24.80	24.92	18.0	1.0	
100	QPSK	270	0	24.81	24.87	24.88			
100	16QAM	1	1	24.95	24.88	24.85	20.0	1.0	
100	16QAM	1	1	23.15	23.23	23.10	24.0	2.0	
100	16QAM	1	1	20.94	21.01	20.98	21.5	4.0	
Channel				849568	850000	849234	Time-up time (dB)	MPR	
Frequency (MHz)									
90	QPSK	1	1	25.49	25.00	25.44	27.0	0.0	
Channel				849334	850000	849668	Time-up time (dB)	MPR	
Frequency (MHz)									
90	QPSK	1	1	25.53	25.00	25.00	27.0	0.0	
Channel				849000	850000	849500	Time-up time (dB)	MPR	
Frequency (MHz)									
70	QPSK	1	1	25.51	25.04	25.42	27.0	0.0	
Channel				848800	850000	849200	Time-up time (dB)	MPR	
Frequency (MHz)									
60	QPSK	1	1	25.46	25.01	25.51	27.0	0.0	
Channel				848334	849000	848668	Time-up time (dB)	MPR	
Frequency (MHz)									
50	QPSK	1	1	25.44	25.00	25.51	27.0	0.0	
Channel				848000	849000	848500	Time-up time (dB)	MPR	
Frequency (MHz)									
40	QPSK	1	1	25.54	25.04	25.51	27.0	0.0	
Channel				847111	848000	847500	Time-up time (dB)	MPR	
Frequency (MHz)									
30	QPSK	1	1	25.49	25.00	25.48	27.0	0.0	
Channel				845334	846000	845668	Time-up time (dB)	MPR	
Frequency (MHz)									
20	QPSK	1	1	25.14	25.00	25.47	27.0	0.0	

Part27Q n77 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Max Ch. [Frac.]	Power High Ch. [Frac.]	Tuneup time (min)	MPN (dB)	
Channel				633334					
Frequency [MHz]									
100	PI2-BPSK	1	1		22.76				
100	PI2-BPSK	1	137		22.67		24.0	0.0	
100	PI2-BPSK	1	271		22.71				
100	PI2-BPSK	135	0		22.28		23.5	0.5	
100	PI2-BPSK	135	66		22.76		24.0	0.0	
100	PI2-BPSK	135	136		22.24		23.5	0.5	
100	PI2-BPSK	270	0		22.30				
100	QPSK	1	1		22.76				
100	QPSK	1	137		22.69		24.0	0.0	
100	QPSK	1	271		22.73				
100	QPSK	135	0		21.76		23.0	1.0	
100	QPSK	135	66		22.30		24.0	0.0	
100	QPSK	135	136		21.74		23.0	1.0	
100	QPSK	270	0		21.76				
100	16QAM	1	1		21.52		23.0	1.0	
100	16QAM	1	1		20.29		21.5	2.5	
100	16QAM	1	1		10.11		10.5	4.5	
Channel				633050	633334	633698	Tuneup time (min)	MPN	
Frequency [MHz]									
90	QPSK	1	1		22.03	22.63	22.59	24.0	0.0
Channel				633066	633334	634008	Tuneup time (min)	MPN	
Frequency [MHz]									
80	QPSK	1	1		22.09	22.68	22.63	24.0	0.0
Channel				633234	633334	634008	Tuneup time (min)	MPN	
Frequency [MHz]									
70	QPSK	1	1		22.06	22.70	22.60	24.0	0.0
Channel				633050	633334	634008	Tuneup time (min)	MPN	
Frequency [MHz]									
60	QPSK	1	1		22.03	22.69	22.60	24.0	0.0
Channel				633066	633334	634008	Tuneup time (min)	MPN	
Frequency [MHz]									
50	QPSK	1	1		22.07	22.66	22.60	24.0	0.0
Channel				633334	633334	633334	Tuneup time (min)	MPN	
Frequency [MHz]									
40	QPSK	1	1		22.00	22.69	22.59	24.0	0.0
Channel				633050	633334	634008	Tuneup time (min)	MPN	
Frequency [MHz]									
30	QPSK	1	1		22.04	22.74	22.59	24.0	0.0
Channel				633066	633334	634008	Tuneup time (min)	MPN	
Frequency [MHz]									
20	QPSK	1	1		22.72	22.75	22.58	24.0	0.0

Part27Q n77 PC2 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Max Ch. [Frac.]	Power High Ch. [Frac.]	Tune-up time (min)	MPN (dB)	
Channel				633334					
Frequency [MHz]									
100	PI2-BPSK	1	1		25.86				
100	PI2-BPSK	1	137		25.51		27.0	0.0	
100	PI2-BPSK	1	271		25.76				
100	PI2-BPSK	135	0		25.29		26.5	0.5	
100	PI2-BPSK	135	66		25.66		27.0	0.0	
100	PI2-BPSK	135	136		24.96		26.5	0.5	
100	PI2-BPSK	270	0		24.91				
100	QPSK	1	1		25.70				
100	QPSK	1	137		25.49		27.0	0.0	
100	QPSK	1	271		25.22				
100	QPSK	135	0		24.81		26.0	1.0	
100	QPSK	135	66		24.66		27.0	0.0	
100	QPSK	135	136		24.63		26.0	1.0	
100	QPSK	270	0		24.51				
100	16QAM	1	1		24.63		26.0	1.0	
100	16QAM	1	1		23.46		24.5	2.5	
100	16QAM	1	1		11.76		12.5	4.5	
Channel				633050	633334	633698	Tune-up time (min)	MPN	
Frequency [MHz]									
90	QPSK	1	1		25.04	25.62	25.50	27.0	0.0
Channel				633066	633334	634008	Tune-up time (min)	MPN	
Frequency [MHz]									
80	QPSK	1	1		25.09	25.60	25.50	27.0	0.0
Channel				633234	633334	634008	Tune-up time (min)	MPN	
Frequency [MHz]									
70	QPSK	1	1		25.03	25.67	25.60	27.0	0.0
Channel				633050	633334	634008	Tune-up time (min)	MPN	
Frequency [MHz]									
60	QPSK	1	1		25.05	25.68	25.50	27.0	0.0
Channel				633066	633334	634008	Tune-up time (min)	MPN	
Frequency [MHz]									
50	QPSK	1	1		25.01	25.62	25.50	27.0	0.0
Channel				633334	633334	633334	Tune-up time (min)	MPN	
Frequency [MHz]									
40	QPSK	1	1		25.00	25.63	25.60	27.0	0.0
Channel				633050	633334	634008	Tune-up time (min)	MPN	
Frequency [MHz]									
30	QPSK	1	1		25.03	25.69	25.60	27.0	0.0
Channel				633066	633334	634008	Tune-up time (min)	MPN	
Frequency [MHz]									
20	QPSK	1	1		25.03	25.62	25.50	27.0	0.0



Reduced Power Mode for Head

n2 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up limit (dBm)	MPH (dB)
Channel								
Frequency [MHz]								
20	PI2-BPSK	1	1	19.50	19.54	19.50	21.0	0.0
30	PI2-BPSK	1	30	19.50	19.50	19.50		
40	PI2-BPSK	1	104	19.48	19.48	19.52		
50	PI2-BPSK	50	5	19.48	19.54	19.48	21.0	0.0
60	PI2-BPSK	50	56	19.47	19.53	19.47	21.0	0.0
70	PI2-BPSK	50	56	19.48	19.48	19.48	21.0	0.0
80	PI2-BPSK	100	0	19.57	19.57	19.43		
90	QPSK	1	1	19.47	19.54	19.50		
100	QPSK	1	30	19.50	19.47	19.50	21.0	0.0
110	QPSK	1	104	19.48	19.48	19.47		
120	QPSK	50	0	19.42	19.48	19.44	21.0	0.0
130	QPSK	50	56	19.42	19.50	19.50	21.0	0.0
140	QPSK	50	56	19.48	19.52	19.48	21.0	0.0
150	QPSK	100	0	19.48	19.50	19.43		
160	HQAM	1	1	19.50	19.50	19.44	21.0	0.0
170	HQAM	1	1	19.50	19.50	19.44		
180	25QAM	1	1	17.00	17.10	16.98	18.5	0.0
Channel								
Frequency [MHz]								
19	QPSK	1	1	19.50	19.51	19.48	21.0	0.0
Channel								
Frequency [MHz]								
10	QPSK	1	1	19.51	19.50	19.50	21.0	0.0
Channel								
Frequency [MHz]								
5	QPSK	1	1	19.50	19.51	19.48	21.0	0.0

n25 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up limit (dBm)	MPH (dB)
Channel								
Frequency [MHz]								
40	PI2-BPSK	1	1	19.43	19.53	19.50		
50	PI2-BPSK	1	108	19.41	19.50	19.50	21.0	0.0
60	PI2-BPSK	1	214	19.38	19.41	19.57		
70	PI2-BPSK	100	0	19.43	19.52	19.46	21.0	0.0
80	PI2-BPSK	100	54	19.45	19.50	19.53	21.0	0.0
90	PI2-BPSK	100	108	19.50	19.45	19.48	21.0	0.0
100	PI2-BPSK	200	0	19.51	19.47	19.47		
110	QPSK	1	1	19.50	19.50	19.50		
120	QPSK	1	108	19.43	19.50	19.50	21.0	0.0
130	QPSK	1	214	19.48	19.51	19.40		
140	QPSK	100	0	19.46	19.50	19.47	21.0	0.0
150	QPSK	100	54	19.50	19.50	19.50	21.0	0.0
160	QPSK	100	108	19.58	19.42	19.48	21.0	0.0
170	QPSK	200	0	19.45	19.54	19.57		
180	HQAM	1	1	19.43	19.50	19.48	21.0	0.0
190	HQAM	1	1	19.47	19.46	19.45		
200	25QAM	1	1	16.80	17.02	16.88	18.5	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	19.44	19.50	19.48	21.0	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	19.54	19.50	19.43	21.0	0.0
Channel								
Frequency [MHz]								
15	QPSK	1	1	19.47	19.54	19.45	21.0	0.0
Channel								
Frequency [MHz]								
10	QPSK	1	1	19.49	19.55	19.57	21.0	0.0
Channel								
Frequency [MHz]								
5	QPSK	1	1	19.51	19.52	19.38	21.0	0.0

n30 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up limit (dBm)	MPH (dB)
Channel								
Frequency [MHz]								
10	PI2-BPSK	1	1		21.84		23.0	0.0
20	PI2-BPSK	1	30		21.81			
30	PI2-BPSK	1	50		21.73			
40	PI2-BPSK	20	0		21.78		23.0	0.0
50	PI2-BPSK	20	14		21.84		23.0	0.0
60	PI2-BPSK	20	27		21.80		23.0	0.0
70	PI2-BPSK	40	0		21.79			
80	QPSK	1	1		21.80		23.0	0.0
90	QPSK	1	30		21.80			
100	QPSK	1	50		21.72			
110	QPSK	20	0		21.78		23.0	0.0
120	QPSK	20	14		21.83		23.0	0.0
130	QPSK	20	27		21.78		23.0	0.0
140	QPSK	40	0		21.82			
150	HQAM	1	1		21.71		23.0	0.0
160	HQAM	1	1		21.64			
170	25QAM	1	1		19.13		18.5	0.0
Channel								
Frequency [MHz]								
5	QPSK	1	1	21.72	21.83	21.60	23.0	0.0

n66 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up limit (dBm)	MPH (dB)
Channel								
Frequency [MHz]								
40	PI2-BPSK	1	1	18.08	18.79	18.73		
50	PI2-BPSK	1	108	18.81	18.87	18.74	18.5	0.0
60	PI2-BPSK	1	214	18.85	18.78	18.75		
70	PI2-BPSK	100	0	18.73	18.88	18.78	18.5	0.0
80	PI2-BPSK	100	54	18.84	18.85	18.80	18.5	0.0
90	PI2-BPSK	100	108	18.90	18.80	18.86	18.5	0.0
100	PI2-BPSK	200	0	18.74	18.79	18.71		
110	QPSK	1	1	18.81	18.85	18.87		
120	QPSK	1	108	18.76	18.87	18.75	18.5	0.0
130	QPSK	1	214	18.72	18.83	18.80		
140	QPSK	100	0	18.84	18.92	18.86	18.5	0.0
150	QPSK	100	54	18.88	18.93	18.85	18.5	0.0
160	QPSK	100	108	18.84	18.90	18.83	18.5	0.0
170	QPSK	200	0	18.82	18.78	18.74		
180	HQAM	1	1	18.78	18.91	18.88	18.5	0.0
190	HQAM	1	1	18.81	18.81	18.81		
200	25QAM	1	1	16.80	16.90	16.75	18.5	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	18.74	18.91	18.84	18.5	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	18.70	18.93	18.73	18.5	0.0
Channel								
Frequency [MHz]								
15	QPSK	1	1	18.68	18.90	18.70	18.5	0.0
Channel								
Frequency [MHz]								
10	QPSK	1	1	18.78	18.81	18.84	18.5	0.0
Channel								
Frequency [MHz]								
5	QPSK	1	1	18.87	18.79	18.87	18.5	0.0



Part270 n77 PC3 Ant2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PLC BPSK	1	1	22.41	22.50	22.45	
100	PLC BPSK	1	137	22.48	22.41	22.48	24.0
100	PLC BPSK	1	271	22.54	22.42	22.43	
100	PLC BPSK	136	0	21.76	21.76	21.82	23.0
100	PLC BPSK	136	0	22.26	22.24	22.32	24.0
100	PLC BPSK	136	136	21.91	21.91	21.81	23.0
100	PLC BPSK	270	0	21.85	22.00	21.91	
100	QPSK	1	1	22.55	22.58	22.45	
100	QPSK	1	137	22.23	22.51	22.35	24.0
100	QPSK	1	271	22.45	22.45	22.45	
100	QPSK	136	0	21.28	21.32	21.28	23.0
100	QPSK	136	0	22.46	22.54	22.45	24.0
100	QPSK	136	136	21.45	21.48	21.47	23.0
100	QPSK	270	0	21.31	21.49	21.33	23.0
100	8QAM	1	1	21.15	21.17	21.08	23.0
100	8QAM	1	1	19.65	19.75	19.58	23.0
100	8QAM	1	1	17.15	17.76	17.63	19.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.45	22.49	22.35	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.41	22.50	22.34	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.55	22.51	22.35	24.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.48	22.58	22.35	24.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.41	22.51	22.32	24.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.48	22.48	22.38	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.50	22.45	22.38	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.45	22.53	22.36	24.0

Part270 n77 PC2 Ant2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PLC BPSK	1	1	22.43	22.54	22.45	
100	PLC BPSK	1	137	22.54	22.58	22.51	24.0
100	PLC BPSK	1	271	22.42	22.43	22.34	
100	PLC BPSK	136	0	22.49	22.58	22.41	24.0
100	PLC BPSK	136	0	22.47	22.56	22.49	24.0
100	PLC BPSK	136	136	22.38	22.45	22.36	24.0
100	PLC BPSK	270	0	22.41	22.48	22.45	
100	QPSK	1	1	22.55	22.51	22.55	
100	QPSK	1	137	22.45	22.57	22.43	24.0
100	QPSK	1	271	22.52	22.51	22.45	
100	QPSK	136	0	22.49	22.45	22.40	24.0
100	QPSK	136	0	22.44	22.54	22.45	24.0
100	QPSK	136	136	22.43	22.50	22.37	24.0
100	QPSK	270	0	22.39	22.50	22.40	24.0
100	8QAM	1	1	22.41	22.50	22.38	24.0
100	8QAM	1	1	22.43	22.51	22.38	24.0
100	8QAM	1	1	21.15	21.36	21.16	19.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.50	22.48	22.50	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.43	22.50	22.40	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.41	22.53	22.50	24.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.43	22.53	22.45	24.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.43	22.51	22.42	24.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.43	22.50	22.43	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.43	22.48	22.40	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.48	22.56	22.40	24.0

Part27Q n77 PC3 Ant2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PLC BPSK	1	1		21.35		
100	PLC BPSK	1	137		22.59		24.0
100	PLC BPSK	1	271		22.81		
100	PLC BPSK	136	0		22.67		23.0
100	PLC BPSK	136	0		21.50		23.0
100	PLC BPSK	136	136		22.26		23.0
100	PLC BPSK	270	0		22.51		
100	QPSK	1	1		23.51		
100	QPSK	1	137		22.59		24.0
100	QPSK	1	271		23.73		
100	QPSK	136	0		22.17		23.0
100	QPSK	136	0		21.55		23.0
100	QPSK	136	136		21.76		23.0
100	QPSK	270	0		21.91		
100	8QAM	1	1		22.39		23.0
100	8QAM	1	1		20.88		21.5
100	8QAM	1	1		19.05		18.5
Channel							
Frequency (MHz)							
50	QPSK	1	1		25.12	25.11	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1		25.19	25.22	23.20
Channel							
Frequency (MHz)							
70	QPSK	1	1		25.14	25.23	25.16
Channel							
Frequency (MHz)							
60	QPSK	1	1		25.19	25.22	25.13
Channel							
Frequency (MHz)							
50	QPSK	1	1		25.15	25.27	25.11
Channel							
Frequency (MHz)							
40	QPSK	1	1		25.09	25.18	25.11
Channel							
Frequency (MHz)							
30	QPSK	1	1		25.18	25.23	25.16
Channel							
Frequency (MHz)							
20	QPSK	1	1		25.11	25.16	25.10

Part27Q n77 PC2 Ant2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PLC BPSK	1	1		21.01		
100	PLC BPSK	1	137		23.14		24.0
100	PLC BPSK	1	271		22.85		
100	PLC BPSK	136	0		23.00		23.0
100	PLC BPSK	136	0		22.97		24.0
100	PLC BPSK	136	136		23.03		24.0
100	PLC BPSK	270	0		23.11		
100	QPSK	1	1		23.25		
100	QPSK	1	137		22.95		24.0
100	QPSK	1	271		23.12		
100	QPSK	136	0		22.90		23.0
100	QPSK	136	0		22.87		23.0
100	QPSK	136	136		22.94		24.0
100	QPSK	270	0		22.92		
100	8QAM	1	1		22.87		24.0
100	8QAM	1	1		22.81		24.0
100	8QAM	1	1		21.49		22.5
Channel							
Frequency (MHz)							
50	QPSK	1	1		25.16	25.17	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1		25.13	25.26	25.15
Channel							
Frequency (MHz)							
70	QPSK	1	1		25.20	25.16	25.19
Channel							
Frequency (MHz)							
60	QPSK	1	1		25.14	25.17	25.10
Channel							
Frequency (MHz)							
50	QPSK	1	1		25.17	25.18	25.10
Channel							
Frequency (MHz)							
40	QPSK	1	1		25.13	25.19	25.16
Channel							
Frequency (MHz)							
30	QPSK	1	1		25.11	25.14	25.10
Channel							
Frequency (MHz)							
20	QPSK	1	1		25.10	25.13	25.10



n48 Part96 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				3520	3624.99	3679.98			
40	PI2 BPSK	1	1	18.13	19.15	19.01			
40	PI2 BPSK	1	53	18.95	19.03	18.90	20.0	0.0	
40	PI2 BPSK	1	104	18.85	18.92	18.72			
40	PI2 BPSK	50	0	18.86	19.01	19.02	20.0	0.0	
40	PI2 BPSK	50	28	19.10	19.12	18.96	20.0	0.0	
40	PI2 BPSK	50	56	18.89	18.95	18.93	20.0	0.0	
40	PI2 BPSK	100	0	18.86	18.92	18.89			
40	QPSK	1	1	19.12	19.22	19.08			
40	QPSK	1	53	18.96	19.06	18.94	20.0	0.0	
40	QPSK	1	104	19.06	19.13	19.04			
40	QPSK	50	0	18.88	19.10	19.05	20.0	0.0	
40	QPSK	50	28	18.98	19.20	18.99	20.0	0.0	
40	QPSK	50	56	18.99	19.01	18.94	20.0	0.0	
40	QPSK	100	0	18.91	19.06	18.90			
40	16QAM	1	1	18.84	18.93	18.84	20.0	0.0	
40	64QAM	1	1	18.89	19.06	18.96	20.0	0.0	
40	256QAM	1	1	18.76	19.00	18.59	18.0	2.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560.01	3624.99	3690			
20	QPSK	1	1	19.00	19.03	18.95	20.0	0.0	
10	QPSK	1	1	18.84	18.96	18.81	20.0	0.0	

Part270 n77 PC2&PC3 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	14.14	14.27	14.22			
100	PI2 BPSK	1	137	14.16	14.30	14.26	15.5	0.0	
100	PI2 BPSK	1	271	14.20	14.31	14.19			
100	PI2 BPSK	135	0	14.31	14.35	14.24	15.5	0.0	
100	PI2 BPSK	135	69	14.21	14.29	14.13	15.5	0.0	
100	PI2 BPSK	135	138	14.07	14.24	14.10	15.5	0.0	
100	PI2 BPSK	270	0	14.12	14.27	14.13	15.5	0.0	
100	QPSK	1	1	14.24	14.39	14.23			
100	QPSK	1	137	14.27	14.33	14.24	15.5	0.0	
100	QPSK	1	271	14.19	14.29	14.13			
100	QPSK	135	0	14.17	14.23	14.15	15.5	0.0	
100	QPSK	135	69	14.15	14.32	14.23	15.5	0.0	
100	QPSK	135	138	14.22	14.30	14.17	15.5	0.0	
100	QPSK	270	0	14.08	14.22	14.08			
100	16QAM	1	1	14.28	14.38	14.28	15.5	0.0	
100	64QAM	1	1	14.16	14.32	14.24	15.5	0.0	
100	256QAM	1	1	14.18	14.27	14.21	15.5	0.0	
Channel				648668	656000	662554	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3955.01			
90	QPSK	1	1	14.17	14.23	14.09	15.5	0.0	
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3960.02			
80	QPSK	1	1	14.09	14.31	14.18	15.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	14.11	14.28	14.07	15.5	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	14.22	14.22	14.16	15.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	14.15	14.30	14.09	15.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	14.08	14.28	14.12	15.5	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	14.14	14.33	14.21	15.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	14.08	14.28	14.10	15.5	0.0	

Part27Q n77 PC2&PC3 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		14.89				
100	PI2 BPSK	1	137		14.83		15.5	0.0	
100	PI2 BPSK	1	271		14.82				
100	PI2 BPSK	135	0		14.87		15.5	0.0	
100	PI2 BPSK	135	69		14.92		15.5	0.0	
100	PI2 BPSK	135	138		14.86		15.5	0.0	
100	PI2 BPSK	270	0		14.86				
100	QPSK	1	1		14.98				
100	QPSK	1	137		14.92		15.5	0.0	
100	QPSK	1	271		14.85				
100	QPSK	135	0		14.87		15.5	0.0	
100	QPSK	135	69		14.92		15.5	0.0	
100	QPSK	135	138		14.87		15.5	0.0	
100	QPSK	270	0		14.93				
100	16QAM	1	1		14.95		15.5	0.0	
100	64QAM	1	1		14.93		15.5	0.0	
100	256QAM	1	1		14.82		15.5	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	14.83	14.83	14.91	15.5	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	14.83	14.85	14.94	15.5	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	14.85	14.85	14.87	15.5	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	14.93	14.91	14.83	15.5	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	14.88	14.88	14.82	15.5	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3520.01			
40	QPSK	1	1	14.93	14.86	14.83	15.5	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	14.88	14.92	14.93	15.5	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	14.84	14.95	14.81	15.5	0.0	

Part270 n78 PC2&PC3 Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		14.20		15.5	0.0
100	PI2 BPSK	1	137		14.13			
100	PI2 BPSK	1	271		14.22			
100	PI2 BPSK	135	0		14.22		15.5	0.0
100	PI2 BPSK	135	69		14.21		15.5	0.0
100	PI2 BPSK	135	138		14.24		15.5	0.0
100	PI2 BPSK	270	0		14.15			
100	QPSK	1	1		14.30		15.5	0.0
100	QPSK	1	137		14.22			
100	QPSK	1	271		14.25			
100	QPSK	135	0		14.17		15.5	0.0
100	QPSK	135	69		14.25		15.5	0.0
100	QPSK	135	138		14.19		15.5	0.0
100	QPSK	270	0		14.25		15.5	0.0
100	16QAM	1	1		14.18			
100	64QAM	1	1		14.15		15.5	0.0
100	256QAM	1	1		14.12		15.5	0.0
Channel				649608	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	14.13	14.18	14.24	15.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	14.24	14.19	14.26	15.5	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	14.23	14.13	14.13	15.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	14.14	14.20	14.20	15.5	0.0
Channel				647334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	14.22	14.13	14.27	15.5	0.0
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	14.13	14.14	14.14	15.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	14.17	14.19	14.23	15.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	14.22	14.15	14.18	15.5	0.0

Part270Q n78 PC2&PC3 Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334		
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		14.84		15.5	0.0
100	PI2 BPSK	1	137		14.80			
100	PI2 BPSK	1	271		14.77			
100	PI2 BPSK	135	0		14.82		15.5	0.0
100	PI2 BPSK	135	69		14.85		15.5	0.0
100	PI2 BPSK	135	138		14.82		15.5	0.0
100	PI2 BPSK	270	0		14.85			
100	QPSK	1	1		14.91		15.5	0.0
100	QPSK	1	137		14.86			
100	QPSK	1	271		14.85			
100	QPSK	135	0		14.86		15.5	0.0
100	QPSK	135	69		14.88		15.5	0.0
100	QPSK	135	138		14.82		15.5	0.0
100	QPSK	270	0		14.80		15.5	0.0
100	16QAM	1	1		14.87			
100	64QAM	1	1		14.80		15.5	0.0
100	256QAM	1	1		14.82		15.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	14.76	14.82	14.84	15.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.03	3500.01	3510		
80	QPSK	1	1	14.79	14.81	14.78	15.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.01	3500.01	3515.01		
70	QPSK	1	1	14.87	14.87	14.78	15.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.75	14.84	14.87	15.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.81	14.86	14.78	15.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.85	14.82	14.76	15.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.74	14.81	14.87	15.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.83	14.88	14.81	15.5	0.0

n7 Ant5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	21.97	22.09	22.01		
40	PI/2 BPSK	1	108	21.97	22.06	22.01	23.0	0.0
40	PI/2 BPSK	1	214	21.89	22.04	21.92		
40	PI/2 BPSK	108	0	21.82	21.92	21.89	23.0	0.0
40	PI/2 BPSK	108	54	21.88	21.93	21.83	23.0	0.0
40	PI/2 BPSK	108	108	21.80	21.89	21.85		
40	PI/2 BPSK	216	0	21.91	21.97	21.86	23.0	0.0
40	QPSK	1	1	22.14	22.18	22.04		
40	QPSK	1	108	22.09	22.13	21.99	23.0	0.0
40	QPSK	1	214	22.02	22.10	21.99		
40	QPSK	108	0	21.82	21.89	21.84	23.0	0.0
40	QPSK	108	54	21.90	21.96	21.87	23.0	0.0
40	QPSK	108	108	21.75	21.84	21.74		
40	QPSK	216	0	21.84	21.95	21.87	23.0	0.0
40	16QAM	1	1	21.78	21.89	21.79	23.0	0.0
40	64QAM	1	1	20.33	20.43	20.37	21.5	1.5
40	256QAM	1	1	18.36	18.43	18.36	19.5	3.5
Channel				508000	509000	510000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	22.05	22.08	22.13	23.0	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	22.14	22.14	22.04	23.0	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	PI/2 BPSK	1	1	22.14	22.03	22.11	23.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	22.13	22.07	22.08	23.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	22.06	22.12	22.14	23.0	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	22.13	22.12	22.14	23.0	0.0



n38 Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	519998	23.0	0.0	
Frequency (MHz)				2580.02	2595	2599.98			
40	PI2 BPSK	1	1	22.18	22.28	22.25			
40	PI2 BPSK	1	53	22.19	22.22	22.20			
40	PI2 BPSK	1	104	22.14	22.20	22.11	23.0	0.0	
40	PI2 BPSK	50	0	22.13	22.18	22.03	23.0	0.0	
40	PI2 BPSK	50	28	22.22	22.27	22.23	23.0	0.0	
40	PI2 BPSK	50	58	22.11	22.20	22.08	23.0	0.0	
40	PI2 BPSK	100	0	22.10	22.24	22.21	23.0	0.0	
40	QPSK	1	1	22.18	22.31	22.17			
40	QPSK	1	53	22.16	22.25	22.23			
40	QPSK	1	104	22.12	22.20	22.08			
40	QPSK	50	0	22.22	22.24	22.20	23.0	0.0	
40	QPSK	50	28	22.07	22.29	22.15	23.0	0.0	
40	QPSK	50	58	22.07	22.18	22.04	23.0	0.0	
40	QPSK	100	0	22.06	22.15	22.08	23.0	0.0	
40	16QAM	1	1	22.21	22.26	22.12	23.0	0.0	
40	64QAM	1	1	20.68	20.76	20.67	21.5	1.5	
40	256QAM	1	1	18.65	18.81	18.79	19.5	3.5	
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	23.0	0.0	
30	QPSK	1	1	22.12	22.20	22.07	23.0	0.0	
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	23.0	0.0	
20	QPSK	1	1	22.14	22.19	22.14	23.0	0.0	

n41 PC3 Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	518598	520998	23.0	0.0	
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	22.25	22.31	22.14			
100	PI2 BPSK	1	137	22.18	22.33	22.25			
100	PI2 BPSK	1	271	22.18	22.32	22.18	23.0	0.0	
100	PI2 BPSK	135	0	22.22	22.37	22.34	23.0	0.0	
100	PI2 BPSK	135	69	22.28	22.32	22.27	23.0	0.0	
100	PI2 BPSK	135	138	22.32	22.37	22.28	23.0	0.0	
100	PI2 BPSK	270	0	22.30	22.33	22.24	23.0	0.0	
100	QPSK	1	1	22.30	22.41	22.38			
100	QPSK	1	137	22.33	22.37	22.31			
100	QPSK	1	271	22.10	22.28	22.19			
100	QPSK	135	0	22.21	22.28	22.22	23.0	0.0	
100	QPSK	135	69	22.25	22.37	22.24	23.0	0.0	
100	QPSK	135	138	22.16	22.31	22.25	23.0	0.0	
100	QPSK	270	0	22.19	22.32	22.17	23.0	0.0	
100	16QAM	1	1	22.31	22.34	22.28	23.0	0.0	
100	64QAM	1	1	20.98	21.05	21.02	21.5	1.5	
100	256QAM	1	1	18.06	19.17	19.10	19.5	3.5	
Channel				503202	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	23.0	0.0	
90	QPSK	1	1	22.22	22.35	22.24	23.0	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2643.99	23.0	0.0	
80	QPSK	1	1	22.14	22.35	22.23	23.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	23.0	0.0	
60	QPSK	1	1	22.17	22.26	22.30	23.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.99	23.0	0.0	
50	QPSK	1	1	22.18	22.25	22.30	23.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	23.0	0.0	
40	QPSK	1	1	22.18	22.30	22.25	23.0	0.0	
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	23.0	0.0	
30	QPSK	1	1	22.23	22.30	22.23	23.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2673.99	23.0	0.0	
20	QPSK	1	1	22.14	22.29	22.35	23.0	0.0	

n41 PC2 Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	518598	520998	23.0	0.0	
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	22.25	22.31	22.14			
100	PI2 BPSK	1	137	22.18	22.33	22.25			
100	PI2 BPSK	1	271	22.18	22.32	22.18	23.0	0.0	
100	PI2 BPSK	135	0	22.22	22.37	22.34	23.0	0.0	
100	PI2 BPSK	135	69	22.28	22.32	22.27	23.0	0.0	
100	PI2 BPSK	135	138	22.32	22.37	22.28	23.0	0.0	
100	PI2 BPSK	270	0	22.30	22.33	22.24	23.0	0.0	
100	QPSK	1	1	22.30	22.41	22.38			
100	QPSK	1	137	22.33	22.37	22.31			
100	QPSK	1	271	22.10	22.28	22.19			
100	QPSK	135	0	22.21	22.28	22.22	23.0	0.0	
100	QPSK	135	69	22.25	22.37	22.24	23.0	0.0	
100	QPSK	135	138	22.16	22.31	22.25	23.0	0.0	
100	QPSK	270	0	22.19	22.32	22.17	23.0	0.0	
100	16QAM	1	1	22.31	22.34	22.28	23.0	0.0	
100	64QAM	1	1	22.21	22.28	22.19	23.0	0.0	
100	256QAM	1	1	21.79	21.84	21.73	22.5	0.5	
Channel				503202	518598	530998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	23.0	0.0	
90	QPSK	1	1	22.22	22.35	22.24	23.0	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2643.99	23.0	0.0	
80	QPSK	1	1	22.14	22.35	22.23	23.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	23.0	0.0	
60	QPSK	1	1	22.17	22.26	22.30	23.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.99	23.0	0.0	
50	QPSK	1	1	22.18	22.25	22.30	23.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	23.0	0.0	
40	QPSK	1	1	22.18	22.30	22.25	23.0	0.0	
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	23.0	0.0	
30	QPSK	1	1	22.23	22.30	22.23	23.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2673.99	23.0	0.0	
20	QPSK	1	1	22.14	22.29	22.35	23.0	0.0	



n38 Ant6									
BW [MHz]	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	PQ2 BPSK	1	1	19.82	19.92	19.75			
40	PQ2 BPSK	1	53	19.71	19.85	19.81	21.0	0.0	
40	PQ2 BPSK	1	104	19.86	19.99	19.95			
40	PQ2 BPSK	50	0	19.72	19.87	19.75	21.0	0.0	
40	PQ2 BPSK	50	28	19.77	19.86	19.77	21.0	0.0	
40	PQ2 BPSK	50	56	19.84	19.87	19.77			
40	PQ2 BPSK	100	0	19.76	19.87	19.82			
40	QPSK	1	1	19.87	20.01	19.94			
40	QPSK	1	53	19.80	19.85	19.80	21.0	0.0	
40	QPSK	1	104	19.86	19.89	19.82			
40	QPSK	50	0	19.85	19.97	19.90	21.0	0.0	
40	QPSK	50	28	19.88	19.99	19.89	21.0	0.0	
40	QPSK	50	56	19.82	19.86	19.86			
40	QPSK	100	0	19.90	19.95	19.86	21.0	0.0	
40	16QAM	1	1	19.72	19.86	19.80	21.0	0.0	
40	64QAM	1	1	19.53	19.57	19.42	20.5	0.5	
40	256QAM	1	1	17.36	17.51	17.42	18.5	2.5	
Channel				517002	518000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	19.81	19.89	19.87	21.0	0.0	
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	19.74	19.86	19.88	21.0	0.0	

n41 PC3 Ant6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505202	518598	520000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PQ2 BPSK	1	1	20.71	20.82	20.78			
100	PQ2 BPSK	1	137	20.78	20.85	20.81	22.0	0.0	
100	PQ2 BPSK	1	271	20.76	20.84	20.75			
100	PQ2 BPSK	135	0	20.72	20.82	20.79	22.0	0.0	
100	PQ2 BPSK	135	69	20.89	20.93	20.79	22.0	0.0	
100	PQ2 BPSK	135	138	20.87	20.90	20.82	22.0	0.0	
100	PQ2 BPSK	270	0	20.90	20.92	20.86			
100	QPSK	1	1	20.91	20.96	20.93			
100	QPSK	1	137	20.81	20.93	20.86	22.0	0.0	
100	QPSK	1	271	20.83	20.90	20.83			
100	QPSK	135	0	20.86	20.89	20.76	22.0	0.0	
100	QPSK	135	69	20.84	20.90	20.79	22.0	0.0	
100	QPSK	135	138	20.73	20.86	20.80			
100	QPSK	270	0	20.73	20.84	20.72	22.0	0.0	
100	16QAM	1	1	20.83	20.93	20.78	22.0	0.0	
100	64QAM	1	1	20.54	20.68	20.59	21.5	0.5	
100	256QAM	1	1	18.32	18.45	18.41	19.5	2.5	
Channel				505200	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.85	20.88	20.68	22.0	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2643.99			
80	QPSK	1	1	20.77	20.94	20.69	22.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.84	20.81	20.68	22.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.99			
50	QPSK	1	1	20.88	20.87	20.78	22.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.85	20.80	20.67	22.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.79	20.93	20.73	22.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2673.99			
20	QPSK	1	1	20.62	20.84	20.77	22.0	0.0	

n41 PC3 Ant6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505202	518598	520000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PQ2 BPSK	1	1	20.71	20.82	20.78			
100	PQ2 BPSK	1	137	20.78	20.85	20.81	22.0	0.0	
100	PQ2 BPSK	1	271	20.76	20.84	20.75			
100	PQ2 BPSK	135	0	20.72	20.82	20.79	22.0	0.0	
100	PQ2 BPSK	135	69	20.89	20.93	20.79	22.0	0.0	
100	PQ2 BPSK	135	138	20.87	20.90	20.82	22.0	0.0	
100	PQ2 BPSK	270	0	20.90	20.92	20.86			
100	QPSK	1	1	20.91	20.96	20.93			
100	QPSK	1	137	20.81	20.93	20.86	22.0	0.0	
100	QPSK	1	271	20.83	20.90	20.83			
100	QPSK	135	0	20.86	20.89	20.76	22.0	0.0	
100	QPSK	135	69	20.84	20.90	20.79	22.0	0.0	
100	QPSK	135	138	20.73	20.86	20.80			
100	QPSK	270	0	20.73	20.84	20.72	22.0	0.0	
100	16QAM	1	1	20.83	20.93	20.78	22.0	0.0	
100	64QAM	1	1	20.87	20.90	20.82	22.0	0.0	
100	256QAM	1	1	20.83	20.88	20.78	22.0	0.0	
Channel				505200	518598	530998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.85	20.88	20.68	22.0	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2643.99			
80	QPSK	1	1	20.77	20.94	20.69	22.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.84	20.81	20.68	22.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.99			
50	QPSK	1	1	20.88	20.87	20.78	22.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.85	20.80	20.67	22.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.79	20.93	20.73	22.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2673.99			
20	QPSK	1	1	20.62	20.84	20.77	22.0	0.0	



Part270 n77 PC3 Ant7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)
Channel							
Frequency [MHz]							
100	PSSBPSK	1	1	23.01	23.18	23.05	
100	PSSBPSK	1	137	23.06	23.09	23.05	24.0
100	PSSBPSK	1	271	22.51	22.37	22.85	
100	PSSBPSK	136	0	22.56	22.58	22.52	23.0
100	PSSBPSK	136	0	22.09	22.13	22.04	24.0
100	PSSBPSK	136	136	22.37	22.52	22.48	23.0
100	PSSBPSK	270	0	22.21	22.80	22.58	
100	QPSK	1	1	23.01	23.18	23.05	
100	QPSK	1	137	22.56	23.13	23.04	24.0
100	QPSK	1	271	22.13	22.08	22.84	
100	QPSK	136	0	22.05	22.09	22.04	23.0
100	QPSK	136	0	21.56	21.54	21.58	24.0
100	QPSK	136	136	21.95	22.31	21.88	23.0
100	QPSK	270	0	22.05	22.31	22.22	23.0
100	MSKAM	1	1	26.79	26.95	26.84	23.0
100	MSKAM	1	1	18.15	18.77	18.73	23.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	22.57	22.12	22.31	24.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	23.09	23.10	22.37	24.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	22.95	23.13	22.86	24.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	22.58	23.04	22.60	24.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	22.57	23.09	22.88	24.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	23.06	23.11	22.92	24.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	22.94	23.13	22.96	24.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	22.94	23.04	22.97	24.0

Part270 n77 PC2 Ant7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)
Channel							
Frequency [MHz]							
100	PSSBPSK	1	1	24.05	24.18	24.05	
100	PSSBPSK	1	137	23.59	24.15	24.08	23.0
100	PSSBPSK	1	271	23.16	24.07	23.85	
100	PSSBPSK	136	0	23.59	24.08	23.97	25.0
100	PSSBPSK	136	0	24.10	24.17	24.09	26.0
100	PSSBPSK	136	136	24.09	24.48	23.95	25.0
100	PSSBPSK	270	0	24.05	24.15	24.07	
100	QPSK	1	1	24.17	25.18	24.93	
100	QPSK	1	137	24.09	24.18	24.14	23.0
100	QPSK	1	271	23.37	24.04	23.36	
100	QPSK	136	0	23.87	24.83	23.91	25.0
100	QPSK	136	0	24.82	24.83	24.71	26.0
100	QPSK	136	136	23.88	24.83	23.85	23.0
100	QPSK	270	0	24.06	24.09	23.95	23.0
100	MSKAM	1	1	24.03	24.14	24.11	25.0
100	MSKAM	1	1	23.61	23.76	23.73	24.0
100	MSKAM	1	1	21.51	21.82	21.59	22.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	24.04	24.13	23.85	25.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	24.01	24.04	23.90	25.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	24.15	24.04	23.95	25.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	24.12	24.13	23.94	25.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	24.13	24.02	23.92	25.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	24.08	24.16	23.95	25.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	24.18	24.14	23.93	25.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	24.05	24.06	23.90	25.0

Part27Q n77 PC3 Ant7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)
Channel							
Frequency [MHz]							
100	PSSBPSK	1	1	23.38			
100	PSSBPSK	1	137	23.28			24.0
100	PSSBPSK	1	271	23.05			
100	PSSBPSK	136	0	22.89			23.0
100	PSSBPSK	136	0	23.24			25.0
100	PSSBPSK	136	136	22.83			23.0
100	PSSBPSK	270	0	22.71			
100	QPSK	1	1	23.05			
100	QPSK	1	137	23.29			24.0
100	QPSK	1	271	23.13			
100	QPSK	136	0	22.34			23.0
100	QPSK	136	0	22.65			25.0
100	QPSK	136	136	22.12			23.0
100	QPSK	270	0	22.17			
100	MSKAM	1	1	22.36			23.0
100	MSKAM	1	1	20.72			21.5
100	MSKAM	1	1	18.67			18.5
Channel							
Frequency [MHz]							
50	QPSK	1	1	23.04	23.36	23.22	24.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	23.17	23.36	23.18	24.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	23.21	23.31	23.17	24.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	23.16	23.28	23.24	24.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	23.18	23.32	23.23	24.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	23.19	23.29	23.19	24.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	23.18	23.34	23.22	24.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	23.23	23.34	23.18	24.0

Part27Q n77 PC2 Ant7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)
Channel							
Frequency [MHz]							
100	PSSBPSK	1	1	24.32			
100	PSSBPSK	1	137	24.37			25.0
100	PSSBPSK	1	271	24.30			
100	PSSBPSK	136	0	24.31			23.0
100	PSSBPSK	136	0	24.37			25.0
100	PSSBPSK	136	136	24.40			23.0
100	PSSBPSK	270	0	24.31			
100	QPSK	1	1	24.35			25.0
100	QPSK	1	137	24.38			24.0
100	QPSK	1	271	24.31			
100	QPSK	136	0	24.35			23.0
100	QPSK	136	0	24.46			25.0
100	QPSK	136	136	24.31			23.0
100	QPSK	270	0	24.40			25.0
100	MSKAM	1	1	24.40			24.0
100	MSKAM	1	1	23.68			24.0
100	MSKAM	1	1	21.98			21.5
Channel							
Frequency [MHz]							
50	QPSK	1	1	24.40	24.30	24.44	25.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	24.33	24.30	24.43	25.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	24.40	24.40	24.38	25.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	24.41	24.40	24.39	25.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	24.40	24.40	24.38	25.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	24.41	24.40	24.39	25.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	24.42	24.41	24.40	25.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	24.43	24.43	24.42	25.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	24.44	24.44	24.43	25.0
Channel							
Frequency [MHz]							
0	QPSK	1	1	24.45	24.45	24.44	25.0



Part270 n78 PC3 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [MHz]	Power Max Ch. 1 Freq. [MHz]	Power High Ch. 1 Freq. [MHz]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]				3790	3800	3790			
100	PSSBPSK	1	1	23.04					
100	PSSBPSK	1	137	23.10			24.0	0.0	
100	PSSBPSK	1	271	23.12					
100	PSSBPSK	136	0	22.98			23.0	0.0	
100	PSSBPSK	136	0	22.97			24.0	0.0	
100	PSSBPSK	136	136	22.81			23.0	0.0	
100	PSSBPSK	270	0	22.82					
100	QPSK	1	1	23.13					
100	QPSK	1	137	23.09			24.0	0.0	
100	QPSK	1	271	23.06					
100	QPSK	136	0	22.92			23.0	1.0	
100	QPSK	136	0	22.91			24.0	0.0	
100	QPSK	136	136	22.70			23.0	1.0	
100	QPSK	270	0	22.67					
100	ISACAM	1	1	22.22			23.0	1.0	
100	ISACAM	1	1	20.85			23.0	2.5	
100	ISACAM	1	1	18.46			19.0	4.5	
Channel									
Frequency [MHz]				45968	46000	45934	Turn-up time	MPS	
90	QPSK	1	1	22.80	23.02	22.97	24.0	0.0	
Channel									
Frequency [MHz]				46334	46300	46368	Turn-up time	MPS	
80	QPSK	1	1	23.62	23.50	23.61	24.0	0.0	
Channel									
Frequency [MHz]				47350	47300	47300	Turn-up time	MPS	
70	QPSK	1	1	22.95	22.99	22.99	24.0	0.0	
Channel									
Frequency [MHz]				48496	48500	48500	Turn-up time	MPS	
60	QPSK	1	1	23.03	23.10	22.95	24.0	0.0	
Channel									
Frequency [MHz]				49334	49300	49368	Turn-up time	MPS	
50	QPSK	1	1	22.85	22.98	22.95	24.0	0.0	
Channel									
Frequency [MHz]				49800	49300	49300	Turn-up time	MPS	
40	QPSK	1	1	22.94	23.09	22.92	24.0	0.0	
Channel									
Frequency [MHz]				51110	51100	51100	Turn-up time	MPS	
30	QPSK	1	1	22.90	23.05	22.98	24.0	0.0	
Channel									
Frequency [MHz]				52034	52000	52000	Turn-up time	MPS	
20	QPSK	1	1	22.84	23.06	22.94	24.0	0.0	

Part270 n78 PC2 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [MHz]	Power Max Ch. 1 Freq. [MHz]	Power High Ch. 1 Freq. [MHz]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]				3790	3800	3790			
100	PSSBPSK	1	1	24.00					
100	PSSBPSK	1	137	23.84			23.0	0.0	
100	PSSBPSK	1	271	23.72					
100	PSSBPSK	136	0	24.10			25.0	0.0	
100	PSSBPSK	136	0	24.09			26.0	0.0	
100	PSSBPSK	136	136	23.80			25.0	0.0	
100	PSSBPSK	270	0	23.67					
100	QPSK	1	1	23.75					
100	QPSK	1	137	23.88			23.0	0.0	
100	QPSK	1	271	23.76					
100	QPSK	136	0	23.82			25.0	0.0	
100	QPSK	136	0	23.81			26.0	0.0	
100	QPSK	136	136	23.67			23.0	0.0	
100	QPSK	270	0	23.54					
100	ISACAM	1	1	24.05			25.0	0.0	
100	ISACAM	1	1	23.24			24.5	0.5	
100	ISACAM	1	1	21.51			22.5	2.5	
Channel									
Frequency [MHz]				45968	46000	45934	Turn-up time	MPS	
90	QPSK	1	1	24.20	24.00	24.41	25.0	0.0	
Channel									
Frequency [MHz]				46334	46300	46368	Turn-up time	MPS	
80	QPSK	1	1	24.43	24.30	24.60	25.0	0.0	
Channel									
Frequency [MHz]				47350	47300	47300	Turn-up time	MPS	
70	QPSK	1	1	23.95	24.08	23.90	25.0	0.0	
Channel									
Frequency [MHz]				48496	48500	48500	Turn-up time	MPS	
60	QPSK	1	1	23.78	23.90	23.60	25.0	0.0	
Channel									
Frequency [MHz]				49334	49300	49368	Turn-up time	MPS	
50	QPSK	1	1	24.03	24.05	24.08	25.0	0.0	
Channel									
Frequency [MHz]				49800	49300	49300	Turn-up time	MPS	
40	QPSK	1	1	24.07	24.00	24.07	25.0	0.0	
Channel									
Frequency [MHz]				51110	51100	51100	Turn-up time	MPS	
30	QPSK	1	1	24.42	24.04	24.41	25.0	0.0	
Channel									
Frequency [MHz]				52034	52000	52000	Turn-up time	MPS	
20	QPSK	1	1	23.90	23.96	23.90	25.0	0.0	

Part27Q n78 PC3 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [MHz]	Power Max Ch. 1 Freq. [MHz]	Power High Ch. 1 Freq. [MHz]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]				46334					
100	PSSBPSK	1	1	23.38					
100	PSSBPSK	1	137	23.14			24.0	0.0	
100	PSSBPSK	1	271	23.00					
100	PSSBPSK	136	0	22.64			23.0	0.0	
100	PSSBPSK	136	0	22.52			25.0	0.0	
100	PSSBPSK	136	136	22.81			23.0	0.0	
100	PSSBPSK	270	0	22.48					
100	QPSK	1	1	23.35					
100	QPSK	1	137	23.16			24.0	0.0	
100	QPSK	1	271	23.02					
100	QPSK	136	0	22.29			23.0	1.0	
100	QPSK	136	0	22.00			24.0	0.0	
100	QPSK	136	136	22.28			23.0	1.0	
100	QPSK	270	0	22.21					
100	ISACAM	1	1	22.33			23.0	1.0	
100	ISACAM	1	1	20.78			21.5	2.5	
100	ISACAM	1	1	18.60			19.5	4.5	
Channel									
Frequency [MHz]				46300	46334	46368	Turn-up time	MPS	
90	QPSK	1	1	23.51	23.38	23.27	24.0	0.0	
Channel									
Frequency [MHz]				46368	46334	46400	Turn-up time	MPS	
80	QPSK	1	1	24.02	24.01	24.03	24.0	0.0	
Channel									
Frequency [MHz]				46400	46400	46400	Turn-up time	MPS	
70	QPSK	1	1	23.84	23.21	23.24	24.0	0.0	
Channel									
Frequency [MHz]				46400	46334	46400	Turn-up time	MPS	
60	QPSK	1	1	23.19	23.12	23.12	24.0	0.0	
Channel									
Frequency [MHz]				46400	46300	46400	Turn-up time	MPS	
50	QPSK	1	1	23.19	23.25	23.24	24.0	0.0	
Channel									
Frequency [MHz]				46368	46334	46368	Turn-up time	MPS	
40	QPSK	1	1	23.23	23.25	23.17	24.0	0.0	
Channel									
Frequency [MHz]				46334	46334	46334	Turn-up time	MPS	
30	QPSK	1	1	23.23	23.25	23.17	24.0	0.0	
Channel									
Frequency [MHz]				46334	46334	46334	Turn-up time	MPS	
20	QPSK	1	1	23.23	23.25	23.17	24.0	0.0	
Channel									
Frequency [MHz]				46334	46334	46334	Turn-up time	MPS	
10	QPSK	1	1	23.23	23.25	23.17	24.0	0.0	
Channel									
Frequency [MHz]				46334	46334	46334	Turn-up time	MPS	
5	QPSK	1	1	23.23	23.25	23.17	24.0	0.0	
Channel									
Frequency [MHz]				46334	46334	46334	Turn-up time	MPS	



Reduced Power Mode for Head_ENDC&UL CA

n38 Ant5_Other PA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2560.02	2595	2599.98			
Frequency (MHz)				19.29	19.34	19.20			
40	Pi2 BPSK	1	1	19.29	19.34	19.20	20.0	0.0	
40	Pi2 BPSK	1	53	19.23	19.36	19.25			
40	Pi2 BPSK	1	104	19.25	19.30	19.26	20.0	0.0	
40	Pi2 BPSK	50	0	19.12	19.29	19.18			
40	Pi2 BPSK	50	28	19.14	19.26	19.15	20.0	0.0	
40	Pi2 BPSK	50	56	19.23	19.37	19.26	20.0	0.0	
40	Pi2 BPSK	100	0	19.18	19.27	19.19			
40	QPSK	1	1	19.33	19.40	19.36	20.0	0.0	
40	QPSK	1	53	19.21	19.29	19.20			
40	QPSK	1	104	19.19	19.34	19.23	20.0	0.0	
40	QPSK	50	0	19.29	19.33	19.25			
40	QPSK	50	28	19.33	19.35	19.20	20.0	0.0	
40	QPSK	50	56	19.21	19.25	19.18	20.0	0.0	
40	QPSK	100	0	19.16	19.32	19.20			
40	16QAM	1	1	19.29	19.35	19.23	20.0	0.0	
40	64QAM	1	1	19.26	19.32	19.22	20.0	0.0	
40	256QAM	1	1	19.81	19.85	19.84	19.5	0.5	
Channel				5170.02	5190.00	5209.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2565.01	2595	2604.99			
30	QPSK	1	1	19.28	19.36	19.33	20.0	0.0	
Channel				5180.00	5190.00	5220.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	19.31	19.23	19.21	20.0	0.0	

n41 PC3 Ant5_Other PA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5092.02	5185.98	5280.00			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	19.33	19.43	19.40	20.0	0.0	
100	Pi2 BPSK	1	137	19.27	19.35	19.19			
100	Pi2 BPSK	1	271	19.35	19.38	19.32	20.0	0.0	
100	Pi2 BPSK	135	0	19.30	19.34	19.29			
100	Pi2 BPSK	135	69	19.32	19.37	19.32	20.0	0.0	
100	Pi2 BPSK	135	138	19.26	19.42	19.40	20.0	0.0	
100	Pi2 BPSK	270	0	19.24	19.36	19.22			
100	QPSK	1	1	19.30	19.46	19.29	20.0	0.0	
100	QPSK	1	137	19.27	19.39	19.23			
100	QPSK	1	271	19.29	19.34	19.26	20.0	0.0	
100	QPSK	135	0	19.22	19.32	19.17			
100	QPSK	135	69	19.25	19.38	19.31	20.0	0.0	
100	QPSK	135	138	19.26	19.32	19.15	20.0	0.0	
100	QPSK	270	0	19.22	19.33	19.23			
100	16QAM	1	1	19.27	19.36	19.22	20.0	0.0	
100	64QAM	1	1	19.26	19.30	19.16	20.0	0.0	
100	256QAM	1	1	19.06	19.17	19.10	19.5	0.5	
Channel				5082.00	5185.98	5289.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.18	19.36	19.16	20.0	0.0	
Channel				5072.04	5185.98	5299.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	19.19	19.44	19.24	20.0	0.0	
Channel				5052.00	5185.98	5319.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2592.99	2659.98			
60	QPSK	1	1	19.26	19.33	19.17	20.0	0.0	
Channel				5042.04	5185.98	5329.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.22	19.34	19.24	20.0	0.0	
Channel				5032.02	5185.98	5340.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2674.98			
40	QPSK	1	1	19.23	19.37	19.25	20.0	0.0	
Channel				5022.00	5185.98	5349.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.13	19.33	19.22	20.0	0.0	
Channel				5012.04	5185.98	5359.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.17	19.40	19.24	20.0	0.0	

n41 PC2 Ant5_Other PA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	5185.98	5280.00			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	19.33	19.43	19.40	20.0	0.0	
100	Pi2 BPSK	1	137	19.27	19.35	19.19			
100	Pi2 BPSK	1	271	19.35	19.38	19.32	20.0	0.0	
100	Pi2 BPSK	135	0	19.30	19.34	19.29			
100	Pi2 BPSK	135	69	19.32	19.37	19.32	20.0	0.0	
100	Pi2 BPSK	135	138	19.26	19.42	19.40	20.0	0.0	
100	Pi2 BPSK	270	0	19.24	19.36	19.22			
100	QPSK	1	1	19.30	19.46	19.29	20.0	0.0	
100	QPSK	1	137	19.27	19.39	19.23			
100	QPSK	1	271	19.29	19.34	19.26	20.0	0.0	
100	QPSK	135	0	19.22	19.32	19.17			
100	QPSK	135	69	19.25	19.38	19.31	20.0	0.0	
100	QPSK	135	138	19.26	19.32	19.15	20.0	0.0	
100	QPSK	270	0	19.22	19.33	19.23			
100	16QAM	1	1	19.27	19.36	19.22	20.0	0.0	
100	64QAM	1	1	19.26	19.30	19.16	20.0	0.0	
100	256QAM	1	1	19.41	19.43	19.35	20.0	0.0	
Channel				5082.00	5185.98	5289.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.18	19.36	19.16	20.0	0.0	
Channel				5072.04	5185.98	5299.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	19.19	19.44	19.24	20.0	0.0	
Channel				5052.00	5185.98	5319.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2592.99	2659.98			
60	QPSK	1	1	19.26	19.33	19.17	20.0	0.0	
Channel				5042.04	5185.98	5329.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.22	19.34	19.24	20.0	0.0	
Channel				5032.02	5185.98	5340.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2674.98			
40	QPSK	1	1	19.23	19.37	19.25	20.0	0.0	
Channel				5022.00	5185.98	5349.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.13	19.33	19.22	20.0	0.0	
Channel				5012.04	5185.98	5359.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.17	19.40	19.24	20.0	0.0	

n41 PC2&PC3 Ant6_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	535200	19.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640.			
100	PI/2 BPSK	1	1	17.82	17.97	17.85	19.0	0.0	
100	PI/2 BPSK	1	137	17.77	17.92	17.78			
100	PI/2 BPSK	1	271	17.71	17.85	17.82			
100	PI/2 BPSK	135	0	17.73	17.88	17.71			
100	PI/2 BPSK	135	69	17.85	17.90	17.80	19.0	0.0	
100	PI/2 BPSK	135	138	17.85	17.90	17.87			
100	PI/2 BPSK	270	0	17.85	17.99	17.90			
100	QPSK	1	1	17.90	18.01	17.97			
100	QPSK	1	137	17.89	17.95	17.79	19.0	0.0	
100	QPSK	1	271	17.78	17.90	17.76			
100	QPSK	135	0	17.82	17.93	17.88			
100	QPSK	135	69	17.85	17.95	17.85			
100	QPSK	135	138	17.71	17.87	17.72	19.0	0.0	
100	QPSK	270	0	17.75	17.88	17.86			
100	16QAM	1	1	17.78	17.88	17.81		19.0	
100	64QAM	1	1	17.72	17.87	17.79			
100	256QAM	1	1	17.68	17.80	17.73	19.0	0.0	
Channel				508200	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.83	17.88	17.82	19.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.83	17.87	17.81	19.0	0.0	
Channel				508200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	17.85	17.99	17.90	19.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.88	17.88	17.83	19.0	0.0	
Channel				508202	518598	535200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670.			
40	QPSK	1	1	17.83	17.94	17.83	19.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.85	17.98	17.90	19.0	0.0	
Channel				507204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.74	17.89	17.93	19.0	0.0	



Part270 n77 PC3 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq. [MHz]	Power Max Ch.1 Freq. [MHz]	Power High Ch.1 Freq. [MHz]	Turn-up time (dBm)	MIMO (dB)	
Channel									
Frequency [MHz]									
100	POL-BPSK	1	1	21.05	21.31	21.05			
100	POL-BPSK	1	137	21.10	21.18	21.10	22.0	0.0	
100	POL-BPSK	1	271	21.05	21.12	21.05			
100	POL-BPSK	136	0	21.10	21.18	21.10	22.0	0.0	
100	POL-BPSK	136	0	21.05	21.08	21.05	22.0	0.0	
100	POL-BPSK	136	136	20.90	21.07	21.00	22.0	0.0	
100	POL-BPSK	270	0	21.05	21.10	21.05			
100	QPSK	1	1	21.05	21.05	21.05			
100	QPSK	1	137	21.13	21.20	21.13	22.0	0.0	
100	QPSK	1	271	21.05	21.14	21.11			
100	QPSK	136	0	20.90	21.12	20.90	22.0	0.0	
100	QPSK	136	0	21.05	21.06	21.04	22.0	0.0	
100	QPSK	136	136	21.05	21.17	21.08	22.0	0.0	
100	QPSK	270	0	21.04	21.07	20.91	22.0	0.0	
100	16QAM	1	1	20.90	21.11	21.00	22.0	0.0	
100	16QAM	1	1	20.70	20.90	20.84	21.0	0.5	
100	16QAM	1	1	18.70	18.77	18.70	19.0	2.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	21.05	21.08	21.10	22.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.90	21.11	21.08	22.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	21.01	21.00	21.14	22.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	21.00	21.08	21.11	22.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.90	21.17	21.04	22.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.90	21.08	21.10	22.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	21.00	21.08	21.00	22.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.90	21.14	21.11	22.0	0.0	

Part270 n77 PC2 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq. [MHz]	Power Max Ch.1 Freq. [MHz]	Power High Ch.1 Freq. [MHz]	Turn-up time (dBm)	MIMO (dB)	
Channel									
Frequency [MHz]									
100	POL-BPSK	1	1	21.05	21.21	21.05			
100	POL-BPSK	1	137	21.10	21.18	21.10	22.0	0.0	
100	POL-BPSK	1	271	21.02	21.12	21.05			
100	POL-BPSK	136	0	21.10	21.18	21.10	22.0	0.0	
100	POL-BPSK	136	0	21.07	21.06	21.00	22.0	0.0	
100	POL-BPSK	136	136	20.80	21.07	21.00	22.0	0.0	
100	POL-BPSK	270	0	21.05	21.10	21.05			
100	QPSK	1	1	21.02	21.03	21.10	22.0	0.0	
100	QPSK	1	137	21.13	21.20	21.13	22.0	0.0	
100	QPSK	1	271	21.05	21.14	21.11			
100	QPSK	136	0	20.90	21.12	20.90	22.0	0.0	
100	QPSK	136	0	21.05	21.06	21.04	22.0	0.0	
100	QPSK	136	136	21.05	21.17	21.08	22.0	0.0	
100	QPSK	270	0	21.04	21.07	20.91	22.0	0.0	
100	16QAM	1	1	20.90	21.11	21.00	22.0	0.0	
100	16QAM	1	1	20.50	21.07	20.50	22.0	0.0	
100	16QAM	1	1	18.50	18.70	18.50	19.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	21.05	21.08	21.10	22.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.90	21.11	21.08	22.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	21.01	21.00	21.14	22.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	21.00	21.08	21.11	22.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.90	21.17	21.04	22.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.90	21.08	21.10	22.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	21.00	21.08	21.00	22.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.90	21.14	21.11	22.0	0.0	

Part27Q n77 PC3 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq. [MHz]	Power Max Ch.1 Freq. [MHz]	Power High Ch.1 Freq. [MHz]	Turn-up time (dBm)	MIMO (dB)	
Channel									
Frequency [MHz]									
100	POL-BPSK	1	1	21.40					
100	POL-BPSK	1	137		21.32		22.0	0.0	
100	POL-BPSK	1	271		21.31				
100	POL-BPSK	136	0		21.30		22.0	0.0	
100	POL-BPSK	136	0		21.29		22.0	0.0	
100	POL-BPSK	136	136		21.30		22.0	0.0	
100	POL-BPSK	270	0		21.28				
100	QPSK	1	1	21.40					
100	QPSK	1	137		21.33		22.0	0.0	
100	QPSK	1	271		21.33				
100	QPSK	136	0		21.29		22.0	0.0	
100	QPSK	136	0		21.28		22.0	0.0	
100	QPSK	136	136		21.27		22.0	0.0	
100	QPSK	270	0		21.28		22.0	0.0	
100	16QAM	1	1	21.30			22.0	0.0	
100	16QAM	1	1	20.72		21.5	0.5		
100	16QAM	1	1	18.67		18.5	2.5		
Channel									
Frequency [MHz]									
50	QPSK	1	1	21.30	21.30	21.34	22.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	21.30	21.29	21.29	22.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	21.30	21.34	21.35	22.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	21.30	21.31	21.32	22.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	21.30	21.38	21.37	22.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	21.30	21.29	21.33	22.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	21.34	21.37	21.32	22.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.30	21.34	21.32	22.0	0.0	

Part27Q n77 PC2 Ant7_UL MIMO											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq. [MHz]	Power Max Ch.1 Freq. [MHz]	Power High Ch.1 Freq. [MHz]	Turn-up time (dBm)	MIMO (dB)			
Channel											
Frequency [MHz]											
100	POL-BPSK	1	1		21.45						
100	POL-BPSK	1	137								

[illegible]

Part270 n78 PC2 Ant7_UL MIMO									
BN (MHz)	Modulation	PR Size	PR Clout	Low Power	High Power	Max Rate	High Power Rate	Interp Rate	MPK (Mbps)
Channel									
100	P10-BPSK	1	1	1	1	21.14	21.14		
100	P10-BPSK	1	1	1	1	21.15	21.15	22.0	0.0
100	P10-BPSK	1	1	1	1	21.17	21.17		
100	P10-BPSK	150	0	1	1	21.24	21.24	22.0	0.0
100	P10-BPSK	150	0	1	1	21.25	21.25	22.0	0.0
100	P10-BPSK	150	136	1	1	21.26	21.26	22.0	0.0
100	P10-BPSK	210	0	1	1	21.27	21.27	22.0	0.0
100	P10-BPSK	210	0	1	1	21.29	21.29	22.0	0.0
100	QPSK	1	1	1	1	21.62	21.62	22.0	0.0
100	QPSK	1	1	1	1	21.63	21.63	22.0	0.0
100	QPSK	150	0	1	1	21.68	21.68	22.0	0.0
100	QPSK	150	0	1	1	21.69	21.69	22.0	0.0
100	QPSK	150	136	1	1	21.71	21.71	22.0	0.0
100	QPSK	210	0	1	1	21.73	21.73	22.0	0.0
100	QPSK	210	0	1	1	21.74	21.74	22.0	0.0
100	QPSK	210	136	1	1	21.76	21.76	22.0	0.0
100	QPSK	210	136	1	1	21.78	21.78	22.0	0.0
100	QPSK	210	136	1	1	21.80	21.80	22.0	0.0
100	QPSK	210	136	1	1	21.82	21.82	22.0	0.0
100	QPSK	210	136	1	1	21.84	21.84	22.0	0.0
100	QPSK	210	136	1	1	21.86	21.86	22.0	0.0
100	QPSK	210	136	1	1	21.88	21.88	22.0	0.0
100	QPSK	210	136	1	1	21.90	21.90	22.0	0.0
100	QPSK	210	136	1	1	21.92	21.92	22.0	0.0
100	QPSK	210	136	1	1	21.94	21.94	22.0	0.0
100	QPSK	210	136	1	1	21.96	21.96	22.0	0.0
100	QPSK	210	136	1	1	21.98	21.98	22.0	0.0
100	QPSK	210	136	1	1	22.00	22.00	22.0	0.0
100	QPSK	210	136	1	1	22.02	22.02	22.0	0.0
100	QPSK	210	136	1	1	22.04	22.04	22.0	0.0
100	QPSK	210	136	1	1	22.06	22.06	22.0	0.0
100	QPSK	210	136	1	1	22.08	22.08	22.0	0.0
100	QPSK	210	136	1	1	22.10	22.10	22.0	0.0
100	QPSK	210	136	1	1	22.12	22.12	22.0	0.0
100	QPSK	210	136	1	1	22.14	22.14	22.0	0.0
100	QPSK	210	136	1	1	22.16	22.16	22.0	0.0
100	QPSK	210	136	1	1	22.18	22.18	22.0	0.0
100	QPSK	210	136	1	1	22.20	22.20	22.0	0.0
100	QPSK	210	136	1	1	22.22	22.22	22.0	0.0
100	QPSK	210	136	1	1	22.24	22.24	22.0	0.0
100	QPSK	210	136	1	1	22.26	22.26	22.0	0.0
100	QPSK	210	136	1	1	22.28	22.28	22.0	0.0
100	QPSK	210	136	1	1	22.30	22.30	22.0	0.0
100	QPSK	210	136	1	1	22.32	22.32	22.0	0.0
100	QPSK	210	136	1	1	22.34	22.34	22.0	0.0
100	QPSK	210	136	1	1	22.36	22.36	22.0	0.0
100	QPSK	210	136	1	1	22.38	22.38	22.0	0.0
100	QPSK	210	136	1	1	22.40	22.40	22.0	0.0
100	QPSK	210	136	1	1	22.42	22.42	22.0	0.0
100	QPSK	210	136	1	1	22.44	22.44	22.0	0.0
100	QPSK	210	136	1	1	22.46	22.46	22.0	0.0
100	QPSK	210	136	1	1	22.48	22.48	22.0	0.0
100	QPSK	210	136	1	1	22.50	22.50	22.0	0.0
100	QPSK	210	136	1	1	22.52	22.52	22.0	0.0
100	QPSK	210	136	1	1	22.54	22.54	22.0	0.0
100	QPSK	210	136	1	1	22.56	22.56	22.0	0.0
100	QPSK	210	136	1	1	22.58	22.58	22.0	0.0
100	QPSK	210	136	1	1	22.60	22.60	22.0	0.0
100	QPSK	210	136	1	1	22.62	22.62	22.0	0.0
100	QPSK	210	136	1	1	22.64	22.64	22.0	0.0
100	QPSK	210	136	1	1	22.66	22.66	22.0	0.0
100	QPSK	210	136	1	1	22.68	22.68	22.0	0.0
100	QPSK	210	136	1	1	22.70	22.70	22.0	0.0
100	QPSK	210	136	1	1	22.72	22.72	22.0	0.0
100	QPSK	210	136	1	1	22.74	22.74	22.0	0.0
100	QPSK	210	136	1	1	22.76	22.76	22.0	0.0
100	QPSK	210	136	1	1	22.78	22.78	22.0	0.0
100	QPSK	210	136	1	1	22.80	22.80	22.0	0.0
100	QPSK	210	136	1	1	22.82	22.82	22.0	0.0
100	QPSK	210	136	1	1	22.84	22.84	22.0	0.0
100	QPSK	210	136	1	1	22.86	22.86	22.0	0.0
100	QPSK	210	136	1	1	22.88	22.88	22.0	0.0
100	QPSK	210	136	1	1	22.90	22.90	22.0	0.0
100	QPSK	210	136	1	1	22.92	22.92	22.0	0.0
100	QPSK	210	136	1	1	22.94	22.94	22.0	0.0
100	QPSK	210	136	1	1	22.96	22.96	22.0	0.0
100	QPSK	210	136	1	1	22.98	22.98	22.0	0.0
100	QPSK	210	136	1	1	23.00	23.00	22.0	0.0
100	QPSK	210	136	1	1	23.02	23.02	22.0	0.0
100	QPSK	210	136	1	1	23.04	23.04	22.0	0.0
100	QPSK	210	136	1	1	23.06	23.06	22.0	0.0
100	QPSK	210	136	1	1	23.08	23.08	22.0	0.0
100	QPSK	210	136	1	1	23.10	23.10	22.0	0.0
100	QPSK	210	136	1	1	23.12	23.12	22.0	0.0
100	QPSK	210	136	1	1	23.14	23.14	22.0	0.0
100	QPSK	210	136	1	1	23.16	23.16	22.0	0.0
100	QPSK	210	136	1	1	23.18	23.18	22.0	0.0
100	QPSK	210	136	1	1	23.20	23.20	22.0	0.0
100	QPSK	210	136	1	1	23.22	23.22	22.0	0.0
100	QPSK	210	136	1	1	23.24	23.24	22.0	0.0
100	QPSK	210	136	1	1	23.26	23.26	22.0	0.0
100	QPSK	210	136	1	1	23.28	23.28	22.0	0.0
100	QPSK	210	136	1	1	23.30	23.30	22.0	0.0
100	QPSK	210	136	1	1	23.32	23.32	22.0	0.0
100	QPSK	210	136	1	1	23.34	23.34	22.0	0.0
100	QPSK	210	136	1	1	23.36	23.36	22.0	0.0
100	QPSK	210	136	1	1	23.38	23.38	22.0	0.0
100	QPSK	210	136	1	1	23.40	23.40	22.0	0.0
100	QPSK	210	136	1	1	23.42	23.42	22.0	0.0
100	QPSK	210	136	1	1	23.44	23.44	22.0	0.0
100	QPSK	210	136	1	1	23.46	23.46	22.0	0.0
100	QPSK	210	136	1	1	23.48	23.48	22.0	0.0
100	QPSK	210	136	1	1	23.50	23.50	22.0	0.0
100	QPSK	210	136	1	1	23.52	23.52	22.0	0.0
100	QPSK	210	136	1	1	23.54	23.54	22.0	0.0
100	QPSK	210	136	1	1	23.56	23.56	22.0	0.0
100	QPSK	210	136	1	1	23.58	23.58	22.0	0.0
100	QPSK	210	136	1	1	23.60	23.60	22.0	0.0
100	QPSK	210	136	1	1	23.62	23.62	22.0	0.0
100	QPSK	210	136	1	1	23.64	23.64	22.0	0.0
100	QPSK	210	136	1	1	23.66	23.66	22.0	0.0
100	QPSK	210	136	1	1	23.68	23.68	22.0	0.0
100	QPSK	210	136	1	1	23.70	23.70	22.0	0.0
100	QPSK	210	136	1	1	23.72	23.72	22.0	0.0
100	QPSK	210	136	1	1	23.74	23.74	22.0	0.0
100	QPSK	210	136	1	1	23.76	23.76	22.0	0.0
100	QPSK	210	136	1	1	23.78	23.78	22.0	0.0
100	QPSK	210	136	1	1	23.80	23.80	22.0	0.0
100	QPSK	210	136	1	1	23.82	23.82	22.0	0.0
100	QPSK	210	136	1	1	23.84	23.84	22.0	0.0
100	QPSK	210	136	1	1	23.86	23.86	22.0	0.0
100	QPSK	210	136	1	1	23.88	23.88	22.0	0.0
100	QPSK	210	136	1	1	23.90	23.90	22.0	0.0
100	QPSK	210	136	1	1	23.92	23.92	22.0	0.0
100	QPSK	210	136	1	1	23.94	23.94	22.0	0.0
100	QPSK	210	136	1	1	23.96	23.96	22.0	0.0
100	QPSK	210	136	1	1	23.98	23.98	22.0	0.0
100	QPSK	210	136	1	1	24.00	24.00	22.0	0.0
100	QPSK	210	136	1	1	24.02	24.02	22.0	0.0
100	QPSK	210	136	1	1	24.04	24.04	22.0	0.0
100	QPSK	210	136	1	1	24.06	24.06	22.0	0.0
100	QPSK	210	136	1	1	24.08	24.08	22.0	0.0
100	QPSK	210	136	1	1	24.10	24.10	22.0	0.0
100	QPSK	210	136	1	1	24.12	24.12	22.0	0.0
100	QPSK	210	136	1	1	24.14	24.14	22.0	0.0
100	QPSK	210	136	1	1	24.16	24.16	22.0	0.0
100	QPSK	210	136	1	1	24.18	24.18	22.0	0.0
100	QPSK	210	136	1	1	24.20	24.20	22.0	0.0
100	QPSK	210	136	1	1	24.22	24.22	22.0	0.0
100	QPSK	210	136	1	1	24.24	24.24	22.0	0.0
100	QPSK	210	136	1	1	24.26	24.26	22.0	0.0
100	QPSK	210	136	1	1	24.28	24.28	22.0	0.0
100	QPSK	210	136	1	1	24.30	24.30	22.0	0.0
100	QPSK	210	136	1	1	24.32	24.32	22.0	0.0
100	QPSK	210	136	1	1	24.34	2		

[illegible]

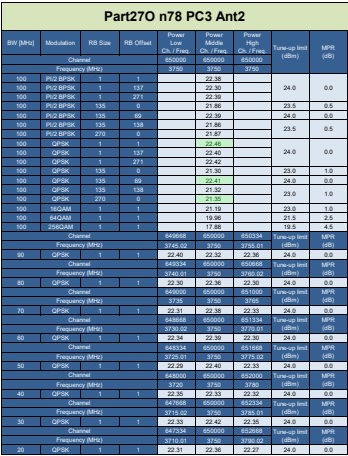
Part27Q n78 PC2 Ant7_UL MIMO							
RF MIMO	Modulation	BS ID	BS Clout	Power Type Class	Power Class	Power Class High	Power Class Low
Channel							
500	Frequency	1	1	21.25	80334	80334	
500	PRB	1	1	21.27	80334	80334	22.0
500	PRB	1	1	21.30	80334	80334	22.0
500	PRB	1	1	21.32	80334	80334	22.0
500	PRB	1	1	21.34	80334	80334	22.0
500	PRB	1	1	21.36	80334	80334	22.0
500	PRB	1	1	21.38	80334	80334	22.0
500	PRB	1	1	21.40	80334	80334	22.0
500	PRB	1	1	21.42	80334	80334	22.0
500	PRB	1	1	21.44	80334	80334	22.0
500	PRB	1	1	21.46	80334	80334	22.0
500	PRB	1	1	21.48	80334	80334	22.0
500	PRB	1	1	21.50	80334	80334	22.0
500	PRB	1	1	21.52	80334	80334	22.0
500	PRB	1	1	21.54	80334	80334	22.0
500	PRB	1	1	21.56	80334	80334	22.0
500	PRB	1	1	21.58	80334	80334	22.0
500	PRB	1	1	21.60	80334	80334	22.0
500	PRB	1	1	21.62	80334	80334	22.0
500	PRB	1	1	21.64	80334	80334	22.0
500	PRB	1	1	21.66	80334	80334	22.0
500	PRB	1	1	21.68	80334	80334	22.0
500	PRB	1	1	21.70	80334	80334	22.0
500	PRB	1	1	21.72	80334	80334	22.0
500	PRB	1	1	21.74	80334	80334	22.0
500	PRB	1	1	21.76	80334	80334	22.0
500	PRB	1	1	21.78	80334	80334	22.0
500	PRB	1	1	21.80	80334	80334	22.0
500	PRB	1	1	21.82	80334	80334	22.0
500	PRB	1	1	21.84	80334	80334	22.0
500	PRB	1	1	21.86	80334	80334	22.0
500	PRB	1	1	21.88	80334	80334	22.0
500	PRB	1	1	21.90	80334	80334	22.0
500	PRB	1	1	21.92	80334	80334	22.0
500	PRB	1	1	21.94	80334	80334	22.0
500	PRB	1	1	21.96	80334	80334	22.0
500	PRB	1	1	21.98	80334	80334	22.0
500	PRB	1	1	22.00	80334	80334	22.0
500	PRB	1	1	22.02	80334	80334	22.0
500	PRB	1	1	22.04	80334	80334	22.0
500	PRB	1	1	22.06	80334	80334	22.0
500	PRB	1	1	22.08	80334	80334	22.0
500	PRB	1	1	22.10	80334	80334	22.0
500	PRB	1	1	22.12	80334	80334	22.0
500	PRB	1	1	22.14	80334	80334	22.0
500	PRB	1	1	22.16	80334	80334	22.0
500	PRB	1	1	22.18	80334	80334	22.0
500	PRB	1	1	22.20	80334	80334	22.0
Channel							
500	Frequency	1	1	21.25	80334	80334	22.0
500	PRB	1	1	21.27	80334	80334	22.0
500	PRB	1	1	21.30	80334	80334	22.0
500	PRB	1	1	21.32	80334	80334	22.0
500	PRB	1	1	21.34	80334	80334	22.0
500	PRB	1	1	21.36	80334	80334	22.0
500	PRB	1	1	21.38	80334	80334	22.0
500	PRB	1	1	21.40	80334	80334	22.0
500	PRB	1	1	21.42	80334	80334	22.0
500	PRB	1	1	21.44	80334	80334	22.0
500	PRB	1	1	21.46	80334	80334	22.0
500	PRB	1	1	21.48	80334	80334	22.0
500	PRB	1	1	21.50	80334	80334	22.0
500	PRB	1	1	21.52	80334	80334	22.0
500	PRB	1	1	21.54	80334	80334	22.0
500	PRB	1	1	21.56	80334	80334	22.0
500	PRB	1	1	21.58	80334	80334	22.0
500	PRB	1	1	21.60	80334	80334	22.0
500	PRB	1	1	21.62	80334	80334	22.0
500	PRB	1	1	21.64	80334	80334	22.0
500	PRB	1	1	21.66	80334	80334	22.0
500	PRB	1	1	21.68	80334	80334	22.0
500	PRB	1	1	21.70	80334	80334	22.0
500	PRB	1	1	21.72	80334	80334	22.0
500	PRB	1	1	21.74	80334	80334	22.0
500	PRB	1	1	21.76	80334	80334	22.0
500	PRB	1	1	21.78	80334	80334	22.0
500	PRB	1	1	21.80	80334	80334	22.0
500	PRB	1	1	21.82	80334	80334	22.0
500	PRB	1	1	21.84	80334	80334	22.0
500	PRB	1	1	21.86	80334	80334	22.0
500	PRB	1	1	21.88	80334	80334	22.0
500	PRB	1	1	21.90	80334	80334	22.0
500	PRB	1	1	21.92	80334	80334	22.0
500	PRB	1	1	21.94	80334	80334	22.0
500	PRB	1	1	21.96	80334	80334	22.0
500	PRB	1	1	21.98	80334	80334	22.0
500	PRB	1	1	22.00	80334	80334	22.0
500	PRB	1	1	22.02	80334	80334	22.0
500	PRB	1	1	22.04	80334	80334	22.0
500	PRB	1	1	22.06	80334	80334	22.0
500	PRB	1	1	22.08	80334	80334	22.0
500	PRB	1	1	22.10	80334	80334	22.0
500	PRB	1	1	22.12	80334	80334	22.0
500	PRB	1	1	22.14	80334	80334	22.0
500	PRB	1	1	22.16	80334	80334	22.0
500	PRB	1	1	22.18	80334	80334	22.0
500	PRB	1	1	22.20	80334	80334	22.0
Channel							
500	Frequency	1	1	21.25	80334	80334	22.0
500	PRB	1	1	21.27	80334	80334	22.0
500	PRB	1	1	21.30	80334	80334	22.0
500	PRB	1	1	21.32	80334	80334	22.0
500	PRB	1	1	21.34	80334	80334	22.0
500	PRB	1	1	21.36	80334	80334	22.0
500	PRB	1	1	21.38	80334	80334	22.0
500	PRB	1	1	21.40	80334	80334	22.0
500	PRB	1	1	21.42	80334	80334	22.0
500	PRB	1	1	21.44	80334	80334	22.0
500	PRB	1	1	21.46	80334	80334	22.0
500	PRB	1	1	21.48	80334	80334	22.0
500	PRB	1	1	21.50	80334	80334	22.0
500	PRB	1	1	21.52	80334	80334	22.0
500	PRB	1	1	21.54	80334	80334	22.0
500	PRB	1	1	21.56	80334	80334	22.0
500	PRB	1	1	21.58	80334	80334	22.0
500	PRB	1	1	21.60	80334	80334	22.0
500	PRB	1	1	21.62	80334	80334	22.0
500	PRB	1	1	21.64	80334	80334	22.0
500	PRB	1	1	21.66	80334	80334	22.0
500	PRB	1	1	21.68	80334	80334	22.0
500	PRB	1	1	21.70	80334	80334	22.0
500	PRB	1	1	21.72	80334	80334	22.0
500	PRB	1	1	21.74	80334	80334	22.0
500	PRB	1	1	21.76	80334	80334	22.0
500	PRB	1	1	21.78	80334	80334	22.0
500	PRB	1	1	21.80	80334	80334	22.0
500	PRB	1	1	21.82	80334	80334	22.0
500	PRB	1	1	21.84	80334	80334	22.0
500	PRB	1	1	21.86	80334	80334	22.0
500	PRB	1	1	21.88	80334	80334	22.0
500	PRB	1	1	21.90	80334	80334	22.0
500	PRB	1	1	21.92	80334	80334	22.0
500	PRB	1	1	21.94	80334	80334	22.0
500	PRB	1	1	21.96	80334	80334	22.0
500	PRB	1	1	21.98	80334	80334	22.0
500	PRB	1	1	22.00	80334	80334	22.0
500	PRB	1	1	22.02	80334	80334	22.0
500	PRB	1	1	22.04	80334	80334	22.0
500	PRB	1	1	22.06	80334	80334	22.0
500	PRB	1	1	22.08	80334	80334	22.0
500	PRB	1	1	22.10	80334	80334	22.0
500	PRB	1	1	22.12	80334	80334	22.0
500	PRB	1	1	22.14	80334	80334	22.0
500	PRB	1	1	22.16	80334	80334	22.0
500	PRB	1	1	22.18	80334	80334	22.0
500	PRB	1	1	22.20	80334	80334	22.0



Reduced Power Mode for Hotspot

n2 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				372000	376000	380000	19.5	0.0
Frequency (MHz)				1860	1860	1860		
20	PI/2 BPSK	1	1	17.79	17.92	17.88	19.5	0.0
20	PI/2 BPSK	1	53	17.74	17.80	17.63		
20	PI/2 BPSK	1	104	17.67	17.80	17.70	19.5	0.0
20	PI/2 BPSK	50	0	17.90	17.93	17.80		
20	PI/2 BPSK	50	28	17.79	17.85	17.74	19.5	0.0
20	PI/2 BPSK	50	56	17.68	17.83	17.67		
20	PI/2 BPSK	100	0	17.74	17.82	17.67	19.5	0.0
20	QPSK	1	1	17.90	17.95	17.83		
20	QPSK	1	53	17.70	17.85	17.79	19.5	0.0
20	QPSK	1	104	17.73	17.87	17.76		
20	QPSK	50	0	17.80	17.91	17.82	19.5	0.0
20	QPSK	50	28	17.83	17.95	17.79		
20	QPSK	50	56	17.81	17.90	17.81	19.5	0.0
20	QPSK	100	0	17.88	17.93	17.78		
20	16QAM	1	1	17.76	17.84	17.74	19.5	0.0
20	64QAM	1	1	17.74	17.81	17.77		
20	256QAM	1	1	17.70	17.79	17.67	19.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1860	1862.5	19.5	0.0
15	QPSK	1	1	17.86	17.83	17.80	19.5	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1865	1860	1905	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.84	17.84	17.76	19.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1860	1907.5	19.5	0.0
5	QPSK	1	1	17.84	17.92	17.75	19.5	0.0

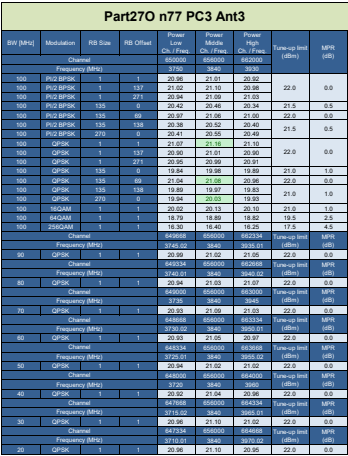
n25 Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000	19.5	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	17.90	18.03	18.01	19.5	0.0
40	PI/2 BPSK	1	108	17.92	18.03	17.93		
40	PI/2 BPSK	1	214	17.89	17.97	17.82	19.5	0.0
40	PI/2 BPSK	108	0	17.78	17.92	17.81		
40	PI/2 BPSK	108	54	17.81	17.98	17.83	19.5	0.0
40	PI/2 BPSK	108	108	17.94	18.02	17.89		
40	PI/2 BPSK	216	0	17.84	17.92	17.79	19.5	0.0
40	QPSK	1	1	17.99	18.08	17.91		
40	QPSK	1	108	17.81	17.96	17.81	19.5	0.0
40	QPSK	1	214	17.82	17.99	17.97		
40	QPSK	108	0	17.85	17.93	17.83	19.5	0.0
40	QPSK	108	54	17.95	18.03	17.86		
40	QPSK	108	108	17.89	17.95	17.89	19.5	0.0
40	QPSK	216	0	17.83	17.95	17.88		
40	16QAM	1	1	17.78	17.92	17.87	19.5	0.0
40	64QAM	1	1	17.89	17.94	17.87		
40	256QAM	1	1	17.89	18.02	17.88	19.5	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900	19.5	0.0
30	QPSK	1	1	17.89	17.91	17.82	19.5	0.0
Channel				372000	376500	381000		
Frequency (MHz)				1860	1882.5	1905	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	17.95	17.99	17.87	19.5	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5	19.5	0.0
15	QPSK	1	1	17.91	17.95	17.82	19.5	0.0
Channel				371000	376500	382000		
Frequency (MHz)				1865	1882.5	1910	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.83	17.92	17.81	19.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1912.5	19.5	0.0
5	QPSK	1	1	17.85	18.00	17.84	19.5	0.0



Part270 n78 PC Ant2									
Bit (MHz)	Modulation	Channel	Bit Rate	FS Offset	Time to Lock	Time to Acquire	Time to Lock + Acquire	Frequency Error (ppm)	APR (dB)
Channel									
150	PSK	QPSK	1	0	27.20	27.20	27.20		
150	PSK	QPSK	1	167	22.35	22.35	22.35	24.0	0.0
150	PSK	QPSK	1	333	22.35	22.35	22.35	24.0	0.0
150	PSK	QPSK	150	0	22.28	22.28	22.28	24.0	0.0
150	PSK	QPSK	150	166	22.35	22.35	22.35	24.0	0.0
150	PSK	QPSK	150	332	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	1	0	22.28	22.28	22.28		
150	QPSK	QPSK	1	167	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	1	333	22.29	22.29	22.29	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	1	0	22.11	22.11	22.11	24.0	0.0
150	QPSK	QPSK	1	167	22.31	22.31	22.31	24.0	0.0
150	QPSK	QPSK	1	333	22.26	22.26	22.26	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.0
150	QPSK	QPSK	150	0	22.34	22.34	22.34	24.0	0.0
150	QPSK	QPSK	150	166	22.28	22.28	22.28	24.0	0.0
150	QPSK	QPSK	150	332	22.23	22.23	22.23	24.0	0.

[illegible]

Part270 n78 PC2 Ant2							
RF MHz	Modulation	Channel	RF Offset	Power Type Class	Modulation Type Class	Max Power dBm	SPR dB
Channel							
B3634							
400	Frequency	1	0	23.0	1	23.0	
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	24.0
400	PRBS	156	0	23.4	1	23.4	24.0
400	PRBS	156	1	23.4	1	23.4	24.0
400	PRBS	213	0	23.0	1	23.0	24.0
400	PRBS	213	1	23.0	1	23.0	24.0
400	PRBS	1	1	23.0	1	23.0	2

[illegible]

Part270 n77 PC3 Ant3									
RF MHz	Modulation	RF Side	RF Offset	Time Type	Time Channel	Time Frequency	High Power	Interp Type	MPK Type
Channel									
Frequency (MHz)					81300	81334			
100	PS-SSB	1	0		21.15	21.15			
100	PS-SSB	1	149		21.23	21.07		22.0	0.0
100	PS-SSB	1	299		21.31	20.99		22.0	0.0
100	PS-SSB	156	0		21.84	21.84		21.0	0.0
100	PS-SSB	156	149		21.92	21.68		22.0	0.0
100	PS-SSB	156	299		22.00	21.76		22.0	0.0
100	QPSK	213	0		22.79	22.79			
100	QPSK	213	149		22.87	22.63		22.0	0.0
100	QPSK	1	149		21.15	21.07		22.0	0.0
100	QPSK	1	299		21.23	21.07		22.0	0.0
100	QPSK	156	0		21.84	21.84		21.0	0.0
100	QPSK	156	149		21.92	21.68		22.0	0.0
100	QPSK	156	299		22.00	21.76		22.0	0.0
100	QPSK	213	0		22.79	22.79		22.0	0.0
100	QPSK	213	149		22.87	22.63		22.0	0.0
100	QPSK	213	299		22.95	22.71		22.0	0.0
100	SSB4M	1	0		19.02	19.02		19.0	0.0
100	SSB4M	1	149		19.10	18.96		19.0	0.0
Channel									
Frequency (MHz)					81300	81334	81368	Interp Type	MPK Type
30	QPSK	1	0		21.18	21.17	21.17	22.0	MPK
30	QPSK	1	149		21.26	21.03	21.03	22.0	MPK
30	QPSK	1	299		21.34	21.11	21.11	22.0	MPK
30	QPSK	156	0		21.86	21.85	21.85	22.0	MPK
30	QPSK	156	149		21.94	21.71	21.71	22.0	MPK
30	QPSK	156	299		22.02	21.79	21.79	22.0	MPK
30	QPSK	213	0		22.80	22.79	22.79	22.0	MPK
30	QPSK	213	149		22.88	22.65	22.65	22.0	MPK
30	QPSK	213	299		22.96	22.73	22.73	22.0	MPK
Channel									
Frequency (MHz)					81368	81334	81300	Interp Type	MPK Type
30	QPSK	1	0		21.18	21.17	21.17	22.0	MPK
30	QPSK	1	149		21.26	21.03	21.03	22.0	MPK
30	QPSK	1	299		21.34	21.11	21.11	22.0	MPK
30	QPSK	156	0		21.86	21.85	21.85	22.0	MPK
30	QPSK	156	149		21.94	21.71	21.71	22.0	MPK
30	QPSK	156	299		22.02	21.79	21.79	22.0	MPK
30	QPSK	213	0		22.80	22.79	22.79	22.0	MPK
30	QPSK	213	149		22.88	22.65	22.65	22.0	MPK
30	QPSK	213	299		22.96	22.73	22.73	22.0	MPK
Channel									
Frequency (MHz)					81368	81334	81300	Interp Type	MPK Type
30	QPSK	1	0		21.18	21.17	21.17	22.0	MPK
30	QPSK	1	149		21.26	21.03	21.03	22.0	MPK

Part27 n77 PC2 Ant3							
BW MHz	Modulation	Rate	BSI	RF Output	Power Type Class	Max PAE High Class	Max PAE Low Class
Channel							
500	Frequency	150	0	21.43	80W34	21.43	
500	FSK-BPSK	1	100	21.37	80W34	21.37	22.0 0.0
500	FSK-BPSK	1	150	21.53	80W34	21.53	22.0 0.0
500	FSK-BPSK	150	0	21.44	80W34	21.44	22.0 0.0
500	FSK-BPSK	150	100	21.46	80W34	21.46	22.0 0.0
500	FSK-BPSK	150	150	21.48	80W34	21.48	22.0 0.0
500	FSK-BPSK	210	0	21.41	80W34	21.41	22.0 0.0
500	FSK-BPSK	210	100	21.43	80W34	21.43	22.0 0.0
500	FSK-BPSK	1	100	21.39	80W34	21.39	22.0 0.0
500	FSK-BPSK	1	150	21.55	80W34	21.55	22.0 0.0
500	FSK-BPSK	150	0	21.38	80W34	21.38	22.0 0.0
500	FSK-BPSK	150	100	21.40	80W34	21.40	22.0 0.0
500	FSK-BPSK	150	150	21.33	80W34	21.33	22.0 0.0
500	FSK-BPSK	210	0	21.37	80W34	21.37	22.0 0.0
500	FSK-BPSK	210	100	21.39	80W34	21.39	22.0 0.0
500	FSK-BPSK	210	150	21.41	80W34	21.41	22.0 0.0
500	FSK-BPSK	1	100	21.40	80W34	21.40	22.0 0.0
500	FSK-BPSK	1	150	21.51	80W34	21.51	22.0 0.0
Channel							
500	Frequency	150	0	21.50	80W34	21.50	22.0 up class
500	FSK-BPSK	1	100	21.38	80W34	21.38	22.0 up class
500	FSK-BPSK	1	150	21.52	80W34	21.52	22.0 up class
500	FSK-BPSK	150	0	21.41	80W34	21.41	22.0 up class
500	FSK-BPSK	150	100	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	150	150	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	0	21.42	80W34	21.42	22.0 up class
500	FSK-BPSK	210	100	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	150	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	1	100	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	1	150	21.57	80W34	21.57	22.0 up class
500	FSK-BPSK	150	0	21.40	80W34	21.40	22.0 up class
500	FSK-BPSK	150	100	21.42	80W34	21.42	22.0 up class
500	FSK-BPSK	150	150	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	0	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	210	100	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	150	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	1	150	21.59	80W34	21.59	22.0 up class
500	FSK-BPSK	150	0	21.41	80W34	21.41	22.0 up class
500	FSK-BPSK	150	100	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	150	150	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	0	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	210	150	21.48	80W34	21.48	22.0 up class
500	FSK-BPSK	1	100	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	150	21.61	80W34	21.61	22.0 up class
500	FSK-BPSK	150	0	21.40	80W34	21.40	22.0 up class
500	FSK-BPSK	150	100	21.42	80W34	21.42	22.0 up class
500	FSK-BPSK	150	150	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	0	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	210	100	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	150	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	1	150	21.59	80W34	21.59	22.0 up class
500	FSK-BPSK	150	0	21.41	80W34	21.41	22.0 up class
500	FSK-BPSK	150	100	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	150	150	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	0	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	210	150	21.48	80W34	21.48	22.0 up class
500	FSK-BPSK	1	100	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	150	21.61	80W34	21.61	22.0 up class
500	FSK-BPSK	150	0	21.40	80W34	21.40	22.0 up class
500	FSK-BPSK	150	100	21.42	80W34	21.42	22.0 up class
500	FSK-BPSK	150	150	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	0	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	210	100	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	150	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	1	150	21.59	80W34	21.59	22.0 up class
500	FSK-BPSK	150	0	21.41	80W34	21.41	22.0 up class
500	FSK-BPSK	150	100	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	150	150	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	0	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	210	150	21.48	80W34	21.48	22.0 up class
500	FSK-BPSK	1	100	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	150	21.61	80W34	21.61	22.0 up class
500	FSK-BPSK	150	0	21.40	80W34	21.40	22.0 up class
500	FSK-BPSK	150	100	21.42	80W34	21.42	22.0 up class
500	FSK-BPSK	150	150	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	0	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	210	100	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	150	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	1	150	21.59	80W34	21.59	22.0 up class
500	FSK-BPSK	150	0	21.41	80W34	21.41	22.0 up class
500	FSK-BPSK	150	100	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	150	150	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	0	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	210	150	21.48	80W34	21.48	22.0 up class
500	FSK-BPSK	1	100	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	150	21.61	80W34	21.61	22.0 up class
500	FSK-BPSK	150	0	21.40	80W34	21.40	22.0 up class
500	FSK-BPSK	150	100	21.42	80W34	21.42	22.0 up class
500	FSK-BPSK	150	150	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	0	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	210	100	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	150	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	1	150	21.59	80W34	21.59	22.0 up class
500	FSK-BPSK	150	0	21.41	80W34	21.41	22.0 up class
500	FSK-BPSK	150	100	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	150	150	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	0	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	210	150	21.48	80W34	21.48	22.0 up class
500	FSK-BPSK	1	100	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	150	21.61	80W34	21.61	22.0 up class
500	FSK-BPSK	150	0	21.40	80W34	21.40	22.0 up class
500	FSK-BPSK	150	100	21.42	80W34	21.42	22.0 up class
500	FSK-BPSK	150	150	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	0	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	210	100	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	150	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	1	150	21.59	80W34	21.59	22.0 up class
500	FSK-BPSK	150	0	21.41	80W34	21.41	22.0 up class
500	FSK-BPSK	150	100	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	150	150	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	0	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	210	150	21.48	80W34	21.48	22.0 up class
500	FSK-BPSK	1	100	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	150	21.61	80W34	21.61	22.0 up class
500	FSK-BPSK	150	0	21.40	80W34	21.40	22.0 up class
500	FSK-BPSK	150	100	21.42	80W34	21.42	22.0 up class
500	FSK-BPSK	150	150	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	0	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	210	100	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	150	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	1	150	21.59	80W34	21.59	22.0 up class
500	FSK-BPSK	150	0	21.41	80W34	21.41	22.0 up class
500	FSK-BPSK	150	100	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	150	150	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	0	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	210	150	21.48	80W34	21.48	22.0 up class
500	FSK-BPSK	1	100	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	150	21.61	80W34	21.61	22.0 up class
500	FSK-BPSK	150	0	21.40	80W34	21.40	22.0 up class
500	FSK-BPSK	150	100	21.42	80W34	21.42	22.0 up class
500	FSK-BPSK	150	150	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	0	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	210	100	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	150	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	1	150	21.59	80W34	21.59	22.0 up class
500	FSK-BPSK	150	0	21.41	80W34	21.41	22.0 up class
500	FSK-BPSK	150	100	21.43	80W34	21.43	22.0 up class
500	FSK-BPSK	150	150	21.45	80W34	21.45	22.0 up class
500	FSK-BPSK	210	0	21.44	80W34	21.44	22.0 up class
500	FSK-BPSK	210	100	21.46	80W34	21.46	22.0 up class
500	FSK-BPSK	210	150	21.48	80W34	21.48	22.0 up class
500	FSK-BPSK	1	100	21.47	80W34	21.47	22.0 up class
500	FSK-BPSK	1	150	21.61	80W34	21.61	22.0 up



Part270 n78 PC3 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]				3790	3810	3790			
100	PSS-BPSK	1	1	20.88					
100	PSS-BPSK	1	137	21.07			22.0	0.0	
100	PSS-BPSK	1	271	21.04					
100	PSS-BPSK	135	0	20.47			21.0	0.5	
100	PSS-BPSK	135	0	21.04			22.0	0.0	
100	PSS-BPSK	135	136	20.50			21.0	0.5	
100	PSS-BPSK	270	0	20.40					
100	QPSK	1	1	21.17					
100	QPSK	1	137	21.01			22.0	0.0	
100	QPSK	1	271	20.53					
100	QPSK	135	0	19.98			21.0	1.0	
100	QPSK	135	0	20.50			22.0	0.0	
100	QPSK	135	136	19.99			21.0	1.0	
100	QPSK	270	0	20.00			21.0	1.0	
100	SSB-AM	1	1	20.00			21.0	1.0	
100	SSB-AM	1	1	18.76			18.5	2.5	
100	SSB-AM	1	1	18.35			17.0	4.5	
Channel									
Frequency [MHz]				45968	46000	45934	Turn-up time (dBm)	MPS	
90	QPSK	1	1	21.01	21.00	21.01	22.0	0.0	
Channel									
Frequency [MHz]				46034	46000	46068	Turn-up time (dBm)	MPS	
90	QPSK	1	1	21.00	20.99	21.04	22.0	0.0	
Channel									
Frequency [MHz]				46068	46000	46034	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.99	20.98	20.93	22.0	0.0	
Channel									
Frequency [MHz]				46102	46000	46166	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.98	20.97	20.92	22.0	0.0	
Channel									
Frequency [MHz]				46136	46000	46200	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.97	20.96	20.91	22.0	0.0	
Channel									
Frequency [MHz]				46170	46000	46234	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.96	20.95	20.90	22.0	0.0	
Channel									
Frequency [MHz]				46204	46000	46268	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.95	20.94	20.89	22.0	0.0	
Channel									
Frequency [MHz]				46238	46000	46302	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.94	20.93	20.88	22.0	0.0	
Channel									
Frequency [MHz]				46272	46000	46336	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.93	20.92	20.87	22.0	0.0	
Channel									
Frequency [MHz]				46306	46000	46370	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.92	20.91	20.86	22.0	0.0	
Channel									
Frequency [MHz]				46340	46000	46404	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.91	20.90	20.85	22.0	0.0	
Channel									
Frequency [MHz]				46374	46000	46438	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.90	20.89	20.84	22.0	0.0	
Channel									
Frequency [MHz]				46408	46000	46472	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.89	20.88	20.83	22.0	0.0	
Channel									
Frequency [MHz]				46442	46000	46506	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.88	20.87	20.82	22.0	0.0	
Channel									
Frequency [MHz]				46476	46000	46540	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.87	20.86	20.81	22.0	0.0	
Channel									
Frequency [MHz]				46510	46000	46574	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.86	20.85	20.80	22.0	0.0	
Channel									
Frequency [MHz]				46544	46000	46608	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.85	20.84	20.79	22.0	0.0	
Channel									
Frequency [MHz]				46578	46000	46642	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.84	20.83	20.78	22.0	0.0	
Channel									
Frequency [MHz]				46612	46000	46676	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.83	20.82	20.77	22.0	0.0	
Channel									
Frequency [MHz]				46646	46000	46710	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.82	20.81	20.76	22.0	0.0	
Channel									
Frequency [MHz]				46680	46000	46744	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.81	20.80	20.75	22.0	0.0	



n38 Ant6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516998			
Frequency (MHz)				2580.02	2595	2599.98			
40	PI2 BPSK	1	1	21.88	21.94	21.88			
40	PI2 BPSK	1	53	21.76	21.90	21.82	23.0	0.0	
40	PI2 BPSK	1	104	21.80	21.85	21.74			
40	PI2 BPSK	50	0	21.34	21.46	21.37	22.5	0.5	
40	PI2 BPSK	50	28	21.88	21.93	21.86	23.0	0.0	
40	PI2 BPSK	50	58	21.39	21.44	21.36			
40	PI2 BPSK	100	0	20.77	20.89	20.80	22.5	0.5	
40	QPSK	1	1	21.89	21.97	21.86			
40	QPSK	1	53	21.78	21.87	21.72	23.0	0.0	
40	QPSK	1	104	21.79	21.83	21.74			
40	QPSK	50	0	20.80	20.88	20.83	22.0	1.0	
40	QPSK	50	28	21.85	21.96	21.88	23.0	0.0	
40	QPSK	50	58	20.80	20.91	20.81			
40	QPSK	100	0	20.87	20.97	20.89	22.0	1.0	
40	16QAM	1	1	20.83	20.89	20.84	22.0	1.0	
40	64QAM	1	1	19.47	19.62	19.54	20.5	2.5	
40	256QAM	1	1	17.42	17.46	17.42	18.5	4.5	
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	21.77	21.91	21.73	23.0	0.0	
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2280	2295	2310			
20	QPSK	1	1	21.74	21.84	21.72	23.0	0.0	

n41 Ant6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	518598	520998			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	22.79	22.93	22.82			
100	PI2 BPSK	1	137	22.86	22.89	22.78	24.0	0.0	
100	PI2 BPSK	1	271	22.91	22.95	22.90			
100	PI2 BPSK	135	0	22.28	22.32	22.27	23.5	0.5	
100	PI2 BPSK	135	69	22.78	22.86	22.82	24.0	0.0	
100	PI2 BPSK	135	138	22.29	22.40	22.29	23.5	0.5	
100	PI2 BPSK	270	0	22.34	22.44	22.35			
100	QPSK	1	1	22.89	22.97	22.84			
100	QPSK	1	137	22.87	22.90	22.83	24.0	0.0	
100	QPSK	1	271	22.81	22.94	22.88			
100	QPSK	135	0	21.73	21.88	21.78	23.0	1.0	
100	QPSK	135	69	22.82	22.91	22.83	24.0	0.0	
100	QPSK	135	138	21.82	21.85	21.71	23.0	1.0	
100	QPSK	270	0	21.81	21.85	21.79			
100	16QAM	1	1	22.02	22.09	22.03	23.0	1.0	
100	64QAM	1	1	20.54	20.68	20.59	21.5	2.5	
100	256QAM	1	1	18.32	18.45	18.41	19.5	4.5	
Channel				505200	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2641	2592.99	2644.98			
90	QPSK	1	1	22.79	22.85	22.79	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.81	22.88	22.73	24.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2592.99	2659.98			
60	QPSK	1	1	22.84	22.83	22.74	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2664.99			
50	QPSK	1	1	22.80	22.84	22.78	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2592.99	2670			
40	QPSK	1	1	22.83	22.86	22.75	24.0	0.0	
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2592.99	2674.98			
30	QPSK	1	1	22.82	22.92	22.72	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2593.02	2592.99	2679.99			
20	QPSK	1	1	22.78	22.83	22.70	24.0	0.0	

n41 PC2 Ant6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	518598	520998			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	24.20	24.31	24.23			
100	PI2 BPSK	1	137	24.32	24.38	24.36	25.5	0.0	
100	PI2 BPSK	1	271	24.34	24.44	24.27			
100	PI2 BPSK	135	0	24.34	24.43	24.40	25.5	0.0	
100	PI2 BPSK	135	69	24.27	24.35	24.29	25.5	0.0	
100	PI2 BPSK	135	138	24.29	24.31	24.21	25.5	0.0	
100	PI2 BPSK	270	0	24.32	24.38	24.36			
100	QPSK	1	1	24.42	24.47	24.36			
100	QPSK	1	137	24.22	24.37	24.31	25.5	0.0	
100	QPSK	1	271	24.33	24.38	24.25			
100	QPSK	135	0	24.17	24.31	24.28	25.5	0.0	
100	QPSK	135	69	24.37	24.45	24.31	25.5	0.0	
100	QPSK	135	138	24.24	24.33	24.16	25.5	0.0	
100	QPSK	270	0	24.24	24.32	24.17			
100	16QAM	1	1	24.28	24.33	24.20	25.5	0.0	
100	64QAM	1	1	23.49	23.56	23.40	24.5	1.0	
100	256QAM	1	1	21.41	21.44	21.27	22.5	3.0	
Channel				505200	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	24.29	24.32	24.23	25.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	24.25	24.39	24.25	25.5	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2592.99	2659.98			
60	QPSK	1	1	24.27	24.40	24.20	25.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2664.99			
50	QPSK	1	1	24.25	24.40	24.27	25.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2592.99	2670			
40	QPSK	1	1	24.31	24.33	24.30	25.5	0.0	
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2592.99	2674.98			
30	QPSK	1	1	24.36	24.36	24.24	25.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2593.02	2592.99	2679.99			
20	QPSK	1	1	24.32	24.41	24.21	25.5	0.0	



Part270 n77 PC3 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PUS-BPSK	1	1	20.56	21.11	21.61			
100	PUS-BPSK	1	137	20.89	21.05	20.93	22.0	0.0	
100	PUS-BPSK	1	271	21.08	21.15	21.03			
100	PUS-BPSK	136	0	21.13	21.18	21.08	22.0	0.0	
100	PUS-BPSK	136	0	21.06	21.13	21.07	22.0	0.0	
100	PUS-BPSK	136	136	21.14	21.18	21.04	22.0	0.0	
100	PUS-BPSK	270	0	21.11	21.16	21.06			
100	QPSK	1	1	21.01	21.01	21.17			
100	QPSK	1	137	20.95	21.07	21.04	22.0	0.0	
100	QPSK	1	271	21.05	21.18	21.13			
100	QPSK	136	0	20.99	21.15	21.08	22.0	0.0	
100	QPSK	136	0	21.06	21.15	21.04	22.0	0.0	
100	QPSK	136	136	20.95	21.15	21.08	22.0	0.0	
100	QPSK	270	0	21.02	21.14	20.98	22.0	0.0	
100	SSB-QAM	1	1	20.96	21.07	20.96	22.0	0.0	
100	SSB-QAM	1	1	20.79	20.99	20.84	21.0	0.5	
100	SSB-QAM	1	1	18.13	18.77	18.73	19.0	2.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.56	21.15	21.07	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.90	21.18	21.07	22.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.01	21.13	21.06	22.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.94	21.18	21.04	22.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.04	21.10	21.13	22.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.05	21.09	21.15	22.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.00	21.04	21.08	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.01	21.15	21.14	22.0	0.0	

Part270 n77 PC2 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PUS-BPSK	1	1	20.56	21.11	21.61			
100	PUS-BPSK	1	137	20.89	21.05	20.93	22.0	0.0	
100	PUS-BPSK	1	271	21.08	21.15	21.03			
100	PUS-BPSK	136	0	21.13	21.18	21.08	22.0	0.0	
100	PUS-BPSK	136	0	21.06	21.13	21.07	22.0	0.0	
100	PUS-BPSK	136	136	21.14	21.18	21.04	22.0	0.0	
100	PUS-BPSK	270	0	21.11	21.16	21.06			
100	QPSK	1	1	21.02	21.01	21.17			
100	QPSK	1	137	20.95	21.07	21.04	22.0	0.0	
100	QPSK	1	271	21.05	21.18	21.13			
100	QPSK	136	0	20.99	21.15	21.08	22.0	0.0	
100	QPSK	136	0	21.06	21.15	21.04	22.0	0.0	
100	QPSK	136	136	20.95	21.15	21.08	22.0	0.0	
100	QPSK	270	0	21.02	21.14	20.98	22.0	0.0	
100	SSB-QAM	1	1	20.96	21.05	20.96	22.0	0.0	
100	SSB-QAM	1	1	20.79	20.99	20.84	22.0	0.0	
100	SSB-QAM	1	1	18.13	18.81	18.66	19.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.56	21.15	21.07	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.90	21.18	21.07	22.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.01	21.13	21.06	22.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.94	21.18	21.04	22.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.04	21.10	21.13	22.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.05	21.09	21.15	22.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.00	21.04	21.08	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.01	21.15	21.14	22.0	0.0	

Part27Q n77 PC3 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PUS-BPSK	1	1		21.44				
100	PUS-BPSK	1	137		21.33		22.0	0.0	
100	PUS-BPSK	1	271		21.47				
100	PUS-BPSK	136	0		21.49		22.0	0.0	
100	PUS-BPSK	136	0		21.46		22.0	0.0	
100	PUS-BPSK	136	136		21.39		22.0	0.0	
100	PUS-BPSK	270	0		21.43				
100	QPSK	1	1		21.35				
100	QPSK	1	137		21.40		22.0	0.0	
100	QPSK	1	271		21.48				
100	QPSK	136	0		21.46		22.0	0.0	
100	QPSK	136	0		21.43		22.0	0.0	
100	QPSK	136	136		21.43		22.0	0.0	
100	QPSK	270	0		21.47		22.0	0.0	
100	SSB-QAM	1	1		21.47		22.0	0.0	
100	SSB-QAM	1	1		20.72		21.5	0.5	
100	SSB-QAM	1	1		18.67		19.5	2.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.51	21.45	21.44	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.47	21.45	21.46	22.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.59	21.45	21.51	22.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.48	21.44	21.54	22.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.47	21.46	21.49	22.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.52	21.52	21.49	22.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.44	21.48	21.45	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.48	21.43	21.53	22.0	0.0	

Part27Q n77 PC2 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PUS-BPSK	1	1	21.43	21.43				
100	PUS-BPSK	1	137	21.51	21.51		22.0	0.0	
100	PUS-BPSK	1	155	21.47	21.47				
100	PUS-BPSK	156	0	21.48	21.48	22.0	22.0	0.0	
100	PUS-BPSK	156	136	21.48	21.48	22.0	22.0	0.0	
100	PUS-BPSK	213	0	21.50	21.50	22.0	22.0	0.0	
100	QPSK	1	137	21.40	21.40		22.0	0.0	
100	QPSK	1	155	21.43	21.43				
100	QPSK	156	0	21.40	21.40	22.0	22.0	0.0	
100	QPSK	156	136	21.43	21.43	22.0	22.0	0.0	
100	QPSK	213	0	21.47	21.47	22.0	22.0	0.0	
100	QPSK	213	136	21.47	21.47	22.0	22.0	0.0	
100	8QAM	1	1	21.50	21.50		22.0	0.0	
100	8QAM	1	137	21.53	21.53		22.0	0.0	
Channel				81500	81534	81584	Turn-up time	MPS	
50	QPSK	1	1	21.51	21.49	21.50	22.0	0.0	
50	QPSK	1	137	21.50	21.50	21.50	22.0	0.0	
50	QPSK	1	155	21.47	21.43	21.45	22.0	0.0	
50	QPSK	156	0	21.48	21.43	21.45	22.0	0.0	
50	QPSK	156	136	21.48	21.43	21.45	22.0	0.0	
50	QPSK	213	0	21.50	21.49	21.50	22.0	0.0	
50	QPSK	213	136	21.50	21.49	21.50	22.0	0.0	
Channel				81566	81534	81550	Turn-up time	MPS	
50	QPSK	1	1	21.48	21.44	21.45	22.0	0.0	
50	QPSK	1	137	21.47	21.46	21.48	22.0	0.0	
50	QPSK	1	155	21.48	21.46	21.48	22.0	0.0	
50	QPSK	156	0	21.49	21.46	21.49	22.0	0.0	
50	QPSK	156	136	21.49	21.46	21.49	22.0	0.0	
50	QPSK	213	0	21.50	21.50	21.48	22.0	0.0	
50	QPSK	213	136	21.50	21.51	21.48	22.0	0.0	
Channel				81582	81534	81560	Turn-up time	MPS	
50	QPSK	1	1	21.44	21.48	21.45	22.0	0.0	
50	QPSK	1	137	21.48	21.43	21.45	22.0	0.0	
Channel				81602	81534	81560	Turn-up time	MPS	
50	QPSK	1	1	21.48	21.43	21.45	22.0	0.0	



Part270 n78 PC3 Ant7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time [dBm]
Channel							
Frequency [MHz]							
100	PSSBPSK	1	1	20.97	20.97		
100	PSSBPSK	1	137	20.93			22.0
100	PSSBPSK	1	271	20.93			22.0
100	PSSBPSK	135	0	20.93			22.0
100	PSSBPSK	135	0	21.25			22.0
100	PSSBPSK	135	136	21.26			22.0
100	PSSBPSK	270	0	20.96			22.0
100	QPSK	1	1	21.08			22.0
100	QPSK	1	137	21.08			22.0
100	QPSK	1	271	21.02			22.0
100	QPSK	135	0	20.94			22.0
100	QPSK	135	0	21.26			22.0
100	QPSK	135	136	20.98			22.0
100	QPSK	270	0	21.05			22.0
100	ISACAM	1	1	20.96			22.0
100	ISACAM	1	1	20.93			22.0
100	ISACAM	1	1	18.46			19.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	20.95	20.97	20.95	22.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	21.00	20.95	21.01	22.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	20.95	21.02	21.01	22.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	21.01	20.92	21.00	22.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	20.95	20.96	21.02	22.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	20.97	21.06	20.94	22.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	20.96	20.97	21.02	22.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	21.05	20.97	21.02	22.0

Part270 n78 PC2 Ant7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time [dBm]
Channel							
Frequency [MHz]							
100	PSSBPSK	1	1	20.97	20.97		
100	PSSBPSK	1	137	20.93			22.0
100	PSSBPSK	1	271	20.93			22.0
100	PSSBPSK	135	0	20.93			22.0
100	PSSBPSK	135	0	21.25			22.0
100	PSSBPSK	135	136	21.26			22.0
100	PSSBPSK	270	0	20.98			22.0
100	QPSK	1	1	21.08			22.0
100	QPSK	1	137	21.08			22.0
100	QPSK	1	271	21.02			22.0
100	QPSK	135	0	20.94			22.0
100	QPSK	135	0	21.26			22.0
100	QPSK	135	136	20.98			22.0
100	QPSK	270	0	21.05			22.0
100	ISACAM	1	1	20.95			22.0
100	ISACAM	1	1	20.92			22.0
100	ISACAM	1	1	18.54			19.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	20.95	20.97	20.95	22.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	21.00	20.95	21.01	22.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	20.95	21.02	21.01	22.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	21.01	20.92	21.00	22.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	21.05	20.96	21.02	22.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	20.97	21.06	20.94	22.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	20.96	20.97	21.02	22.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	21.05	20.97	21.02	22.0

Part27Q n78 PC3 Ant7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time [dBm]
Channel							
Frequency [MHz]							
100	PSSBPSK	1	1	21.36			
100	PSSBPSK	1	137	21.34			22.0
100	PSSBPSK	1	271	21.24			22.0
100	PSSBPSK	135	0	21.35			22.0
100	PSSBPSK	135	0	21.25			22.0
100	PSSBPSK	135	136	21.25			22.0
100	PSSBPSK	270	0	21.37			22.0
100	QPSK	1	1	21.31			22.0
100	QPSK	1	137	21.27			22.0
100	QPSK	1	271	21.32			22.0
100	QPSK	135	0	21.31			22.0
100	QPSK	135	0	21.27			22.0
100	QPSK	135	136	21.27			22.0
100	QPSK	270	0	21.35			22.0
100	ISACAM	1	1	21.29			22.0
100	ISACAM	1	1	20.78			21.5
100	ISACAM	1	1	18.65			19.5
Channel							
Frequency [MHz]							
50	QPSK	1	1	21.29	21.36	21.35	22.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	21.38	21.36	21.28	22.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	21.29	21.35	21.25	22.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	21.28	21.38	21.28	22.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	21.29	21.35	21.25	22.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	21.28	21.38	21.28	22.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	21.29	21.35	21.25	22.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	21.27	21.35	21.28	22.0

Part27Q n78 PC2 Ant7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time [dBm]
Channel							
Frequency [MHz]							
100	PSSBPSK	1	1	21.35			
100	PSSBPSK	1	137	21.34			22.0
100	PSSBPSK	1	271	21.24			22.0
100	PSSBPSK	135	0	21.35			22.0
100	PSSBPSK	135	0	21.25			22.0
100	PSSBPSK	135	136	21.25			22.0
100	PSSBPSK	270	0	21.37			22.0
100	QPSK	1	1	21.31			22.0
100	QPSK	1	137	21.27			22.0
100	QPSK	1	271	21.32			22.0
100	QPSK	135	0	21.31			22.0
100	QPSK	135	0	21.27			22.0
100	QPSK	135	136	21.27			22.0
100	QPSK	270	0	21.35			22.0
100	ISACAM	1	1	21.29			22.0
100	ISACAM	1	1	21.33			22.0
100	ISACAM	1	1	17.94			19.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	21.28	21.35	21.29	22.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	21.38	21.36	21.28	22.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	21.29	21.35	21.25	22.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	21.28	21.38	21.28	22.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	21.29	21.35	21.25	22.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	21.28	21.38	21.28	22.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	21.28	21.38	21.28	22.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	21.37	21.39	21.35	22.0



Part270 n77 PC3 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [MHz]	Power Max Ch. 1 Freq. [MHz]	Power High Ch. 1 Freq. [MHz]	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	19.47	19.50	19.55			
100	PSS-BPSK	1	137	19.50	19.55	19.47	21.0	0.0	
100	PSS-BPSK	1	271	19.45	19.53	19.51			
100	PSS-BPSK	136	0	19.40	19.50	19.47	21.0	0.0	
100	PSS-BPSK	136	0	19.40	19.50	19.50	21.0	0.0	
100	PSS-BPSK	136	136	19.47	19.51	19.38	21.0	0.0	
100	PSS-BPSK	270	0	19.42	19.57	19.44			
100	QPSK	1	1	19.53	19.55	19.55			
100	QPSK	1	137	19.47	19.55	19.44	21.0	0.0	
100	QPSK	1	271	19.44	19.50	19.45			
100	QPSK	136	0	19.42	19.52	19.40	21.0	0.0	
100	QPSK	136	0	19.44	19.50	19.46	21.0	0.0	
100	QPSK	136	136	19.50	19.48	19.35	21.0	0.0	
100	QPSK	270	0	19.41	19.51	19.43			
100	SSB-AM	1	1	19.42	19.45	19.38	21.0	0.0	
100	SSB-AM	1	1	19.40	19.54	19.51	21.0	0.0	
100	SSB-AM	1	1	19.50	19.50	19.50	19.0	1.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.47	19.50	19.47	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.50	19.50	19.50	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.50	19.50	19.47	21.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.50	19.50	19.40	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.45	19.53	19.40	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.40	19.49	19.38	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.43	19.48	19.42	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.42	19.50	19.40	21.0	0.0	

Part270 n77 PC2 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [MHz]	Power Max Ch. 1 Freq. [MHz]	Power High Ch. 1 Freq. [MHz]	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	19.47	19.50	19.55			
100	PSS-BPSK	1	137	19.50	19.55	19.47	21.0	0.0	
100	PSS-BPSK	1	271	19.45	19.53	19.51			
100	PSS-BPSK	136	0	19.40	19.50	19.47	21.0	0.0	
100	PSS-BPSK	136	0	19.40	19.50	19.50	21.0	0.0	
100	PSS-BPSK	136	136	19.47	19.51	19.38	21.0	0.0	
100	PSS-BPSK	270	0	19.42	19.57	19.44			
100	QPSK	1	1	19.53	19.55	19.55			
100	QPSK	1	137	19.47	19.55	19.44	21.0	0.0	
100	QPSK	1	271	19.44	19.50	19.45			
100	QPSK	136	0	19.42	19.52	19.40	21.0	0.0	
100	QPSK	136	0	19.44	19.50	19.46	21.0	0.0	
100	QPSK	136	136	19.50	19.48	19.35	21.0	0.0	
100	QPSK	270	0	19.41	19.51	19.43			
100	SSB-AM	1	1	19.42	19.45	19.38	21.0	0.0	
100	SSB-AM	1	1	19.40	19.54	19.51	21.0	0.0	
100	SSB-AM	1	1	19.43	19.54	19.45	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.47	19.50	19.47	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.50	19.50	19.50	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.50	19.50	19.47	21.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.50	19.50	19.40	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.45	19.53	19.40	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.40	19.49	19.38	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.43	19.48	19.42	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.42	19.50	19.40	21.0	0.0	

Part27Q n77 PC3 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [MHz]	Power Max Ch. 1 Freq. [MHz]	Power High Ch. 1 Freq. [MHz]	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	19.81					
100	PSS-BPSK	1	137	19.70			21.0	0.0	
100	PSS-BPSK	1	271	19.63					
100	PSS-BPSK	136	0	19.60			21.0	0.0	
100	PSS-BPSK	136	0	19.64			21.0	0.0	
100	PSS-BPSK	136	136	19.64			21.0	0.0	
100	PSS-BPSK	270	0	19.58					
100	QPSK	1	1	19.75					
100	QPSK	1	137	19.62			21.0	0.0	
100	QPSK	1	271	19.60					
100	QPSK	136	0	19.67			21.0	0.0	
100	QPSK	136	0	19.67			21.0	0.0	
100	QPSK	136	136	19.58			21.0	0.0	
100	QPSK	270	0	19.68					
100	SSB-AM	1	1	19.63			21.0	0.0	
100	SSB-AM	1	1	19.67			21.0	0.0	
100	SSB-AM	1	1	19.71			19.5	1.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.68	19.60	19.71	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.61	19.60	19.60	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.63	19.60	19.67	21.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.67	19.60	19.64	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.62	19.70	19.72	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.63	19.70	19.60	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.60	19.67	19.61	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.63	19.72	19.61	21.0	0.0	

Part27Q n77 PC2 Ant8											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [MHz]	Power Max Ch. 1 Freq. [MHz]	Power High Ch. 1 Freq. [MHz]	Turn-up time (dBm)	MFR (dB)			
Channel											
Frequency (MHz)											
100	PSS-BPSK	1	1	19.81							
100	PSS-BPSK	1	137	19.70			21.0	0.0			



Part270 n78 PC3 Ant8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time [dBm]
Channel							
Frequency [MHz]							
100	PUSC BPSK	1	1	19.38	19.38	19.38	
100	PUSC BPSK	1	137	19.41	19.41	19.41	21.0
100	PUSC BPSK	1	271	19.43	19.43	19.43	0.0
100	PUSC BPSK	136	0	19.39	19.39	19.39	21.0
100	PUSC BPSK	136	40	19.45	19.45	19.45	0.0
100	PUSC BPSK	136	136	19.46	19.46	19.46	21.0
100	PUSC BPSK	270	0	19.37	19.37	19.37	0.0
100	QPSK	1	1	19.38	19.38	19.38	21.0
100	QPSK	1	137	19.39	19.39	19.39	0.0
100	QPSK	1	271	19.46	19.46	19.46	0.0
100	QPSK	136	0	19.38	19.38	19.38	21.0
100	QPSK	136	40	19.45	19.45	19.45	0.0
100	QPSK	136	136	19.37	19.37	19.37	0.0
100	QPSK	270	0	19.39	19.39	19.39	21.0
100	SSB4AM	1	1	19.43	19.43	19.43	21.0
100	SSB4AM	1	1	19.35	19.35	19.35	0.0
100	SSB4AM	1	1	19.34	19.34	19.34	1.5
Channel							
Frequency [MHz]							
50	QPSK	1	1	19.35	19.41	19.35	21.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	19.43	19.43	19.37	21.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	19.35	19.44	19.35	21.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	19.34	19.37	19.40	21.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	19.41	19.34	19.45	21.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	19.35	19.34	19.35	21.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	19.40	19.40	19.40	21.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	19.39	19.43	19.38	21.0

Part270 n78 PC2 Ant8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time [dBm]
Channel							
Frequency [MHz]							
100	PUSC BPSK	1	1	19.38	19.38	19.38	
100	PUSC BPSK	1	137	19.41	19.41	19.41	21.0
100	PUSC BPSK	1	271	19.43	19.43	19.43	0.0
100	PUSC BPSK	136	0	19.39	19.39	19.39	21.0
100	PUSC BPSK	136	40	19.45	19.45	19.45	0.0
100	PUSC BPSK	136	136	19.46	19.46	19.46	21.0
100	PUSC BPSK	270	0	19.37	19.37	19.37	0.0
100	QPSK	1	1	19.38	19.38	19.38	21.0
100	QPSK	1	137	19.39	19.39	19.39	0.0
100	QPSK	1	271	19.46	19.46	19.46	0.0
100	QPSK	136	0	19.38	19.38	19.38	21.0
100	QPSK	136	40	19.45	19.45	19.45	0.0
100	QPSK	136	136	19.37	19.37	19.37	0.0
100	QPSK	270	0	19.39	19.39	19.39	21.0
100	SSB4AM	1	1	19.43	19.43	19.43	21.0
100	SSB4AM	1	1	19.35	19.35	19.35	0.0
100	SSB4AM	1	1	19.34	19.34	19.34	0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	19.35	19.41	19.35	21.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	19.43	19.43	19.37	21.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	19.35	19.44	19.35	21.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	19.34	19.37	19.40	21.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	19.41	19.34	19.45	21.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	19.35	19.34	19.35	21.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	19.40	19.40	19.40	21.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	19.39	19.43	19.38	21.0

Part27Q n78 PC3 Ant8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time [dBm]
Channel							
Frequency [MHz]							
100	PUSC BPSK	1	1	19.37	19.37	19.37	
100	PUSC BPSK	1	137	19.38	19.38	19.38	21.0
100	PUSC BPSK	1	271	19.43	19.43	19.43	0.0
100	PUSC BPSK	136	0	19.37	19.37	19.37	21.0
100	PUSC BPSK	136	40	19.45	19.45	19.45	0.0
100	PUSC BPSK	136	136	19.46	19.46	19.46	21.0
100	PUSC BPSK	270	0	19.40	19.40	19.40	0.0
100	QPSK	1	1	19.38	19.38	19.38	21.0
100	QPSK	1	137	19.48	19.48	19.48	21.0
100	QPSK	1	271	19.49	19.49	19.49	0.0
100	QPSK	136	0	19.47	19.47	19.47	0.0
100	QPSK	136	40	19.46	19.46	19.46	0.0
100	QPSK	136	136	19.54	19.54	19.54	0.0
100	QPSK	270	0	19.40	19.40	19.40	21.0
100	SSB4AM	1	1	19.49	19.49	19.49	21.0
100	SSB4AM	1	1	19.35	19.35	19.35	0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	19.50	19.54	19.51	21.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	19.49	19.50	19.54	21.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	19.50	19.51	19.50	21.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	19.54	19.50	19.52	21.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	19.50	19.52	19.50	21.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	19.53	19.47	19.51	21.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	19.50	19.51	19.49	21.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	19.53	19.57	19.49	21.0

Part27Q n78 PC2 Ant8							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time [dBm]
Channel							
Frequency [MHz]							
100	PUSC BPSK	1	1	19.37	19.37	19.37	
100	PUSC BPSK	1	137	19.38	19.38	19.38	21.0
100	PUSC BPSK	1	271	19.43	19.43	19.43	0.0
100	PUSC BPSK	136	0	19.37	19.37	19.37	21.0
100	PUSC BPSK	136	40	19.45	19.45	19.45	0.0
100	PUSC BPSK	136	136	19.46	19.46	19.46	21.0
100	PUSC BPSK	270	0	19.40	19.40	19.40	0.0
100	QPSK	1	1	19.38	19.38	19.38	21.0
100	QPSK	1	137	19.48	19.48	19.48	21.0
100	QPSK	1	271	19.49	19.49	19.49	0.0
100	QPSK	136	0	19.47	19.47	19.47	0.0
100	QPSK	136	40	19.46	19.46	19.46	0.0
100	QPSK	136	136	19.54	19.54	19.54	0.0
100	QPSK	270	0	19.40	19.40	19.40	21.0
100	SSB4AM	1	1	19.49	19.49	19.49	21.0
100	SSB4AM	1	1	19.40	19.40	19.40	0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	19.50	19.54	19.51	21.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	19.50	19.50	19.54	21.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	19.50	19.51	19.50	21.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	19.50	19.52	19.48	21.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	19.50	19.51	19.49	21.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	19.50	19.51	19.49	21.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	19.50	19.51	19.49	21.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	19.50	19.51	19.49	21.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	19.50	19.51	19.49	21.0

Reduced Power Mode for ENDC&ULCA

n2 ENDC Ant0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				1860	1860	1900	16.5
Frequency (MHz)				14.73	14.98	14.89	
20	P12 BPSK	1	1	14.71	14.95	14.80	
20	P12 BPSK	1	53	14.71	14.95	14.80	
20	P12 BPSK	1	104	14.82	14.83	14.70	16.5
20	P12 BPSK	50	0	14.88	14.88	14.85	
20	P12 BPSK	50	25	14.74	14.86	14.70	
20	P12 BPSK	50	56	14.70	14.91	14.72	
20	P12 BPSK	100	0	14.74	14.82	14.69	16.5
20	QPSK	1	1	14.94	14.95	14.81	
20	QPSK	1	53	14.86	14.81	14.79	
20	QPSK	1	104	14.78	14.85	14.80	
20	QPSK	50	0	14.75	14.90	14.75	
20	QPSK	50	25	14.86	14.95	14.78	16.5
20	QPSK	50	56	14.87	14.87	14.81	
20	QPSK	100	0	14.90	14.97	14.75	
20	16QAM	1	1	14.74	14.88	14.75	
20	64QAM	1	1	14.79	14.78	14.75	16.5
20	256QAM	1	1	14.76	14.74	14.69	
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1884	1892.5	
15	QPSK	1	1	14.87	14.88	14.78	
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1905	
10	QPSK	1	1	14.84	14.80	14.75	
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1907.5	
5	QPSK	1	1	14.91	14.84	14.78	

n25 ENDC Ant0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				1870	1882.5	1885	16.5
Frequency (MHz)				14.87	14.97	14.99	
40	P12 BPSK	1	1	14.91	15.03	14.88	
40	P12 BPSK	1	214	14.90	14.95	14.87	
40	P12 BPSK	108	0	14.83	14.94	14.79	16.5
40	P12 BPSK	108	54	14.85	14.98	14.80	
40	P12 BPSK	108	108	15.00	15.06	14.87	
40	P12 BPSK	216	0	14.87	14.86	14.75	
40	QPSK	1	1	15.01	15.08	14.86	16.5
40	QPSK	1	108	14.75	14.99	14.85	
40	QPSK	1	214	14.83	14.84	14.85	
40	QPSK	108	0	14.85	14.98	14.81	
40	QPSK	108	54	14.99	15.05	14.91	16.5
40	QPSK	108	108	14.91	14.96	14.93	
40	QPSK	216	0	14.86	14.97	14.83	
40	16QAM	1	1	14.81	14.98	14.91	
40	64QAM	1	1	14.91	14.93	14.90	16.5
40	256QAM	1	1	14.89	15.06	14.83	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1884	1882.5	1904	
30	QPSK	1	1	14.90	14.95	14.83	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1880	1882.5	1905	
20	QPSK	1	1	14.92	14.88	14.81	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1907.5	
15	QPSK	1	1	14.89	14.89	14.80	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1885	1882.5	1910	
10	QPSK	1	1	14.95	14.90	14.83	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1882.5	1882.5	1912.5	
5	QPSK	1	1	14.95	14.89	14.80	

n66 ENDC Ant0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				1734	1745	1760	22.0
Frequency (MHz)				21.54	21.68	21.55	
40	P12 BPSK	1	1	21.59	21.67	21.63	
40	P12 BPSK	1	214	21.52	21.70	21.54	
40	P12 BPSK	108	0	21.51	21.65	21.54	22.0
40	P12 BPSK	108	54	21.51	21.65	21.61	
40	P12 BPSK	108	108	21.52	21.65	21.59	
40	P12 BPSK	216	0	21.57	21.69	21.63	
40	QPSK	1	1	21.61	21.77	21.65	22.0
40	QPSK	1	108	21.53	21.72	21.64	
40	QPSK	1	214	21.56	21.64	21.62	
40	QPSK	108	0	21.55	21.64	21.55	
40	QPSK	108	54	21.64	21.73	21.63	22.0
40	QPSK	108	108	21.61	21.69	21.56	
40	QPSK	216	0	21.63	21.71	21.70	
40	16QAM	1	1	21.52	21.71	21.69	
40	64QAM	1	1	20.54	20.66	20.53	21.5
40	256QAM	1	1	18.46	18.56	18.44	
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1724	1745	1765	
30	QPSK	1	1	21.58	21.62	21.58	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	21.60	21.60	21.60	
Channel				343000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	21.62	21.67	21.62	
Channel				342000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	21.62	21.65	21.65	
Channel				342000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1772.5	
5	QPSK	1	1	21.51	21.68	21.60	

n41 PC3 ENDC Ant5_Other PA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000	24.0	0.0	
Frequency (MHz)				2546.01	2692.99	2640			
100	PI/2 BPSK	1	1	23.41	23.51	23.36	24.0	0.0	
100	PI/2 BPSK	1	137	23.05	23.17	23.14			
100	PI/2 BPSK	1	271	23.37	23.46	23.42			
100	PI/2 BPSK	135	0	22.65	22.75	22.68		0.5	
100	PI/2 BPSK	135	69	23.23	23.35	23.30	24.0		0.0
100	PI/2 BPSK	135	138	22.81	22.92	22.85	23.5	0.5	
100	PI/2 BPSK	270	0	22.90	22.95	22.91			
100	QPSK	1	1	23.38	23.53	23.40	24.0	0.0	
100	QPSK	1	137	23.17	23.23	23.13			
100	QPSK	1	271	23.40	23.48	23.36			
100	QPSK	135	0	22.41	22.47	22.40		1.0	
100	QPSK	135	69	23.42	23.45	23.44	24.0		0.0
100	QPSK	135	138	22.41	22.48	22.37	23.0	1.0	
100	QPSK	270	0	22.47	22.51	22.46			
100	16QAM	1	1	22.35	22.49	22.37	23.0		1.0
100	64QAM	1	1	20.98	21.05	21.02	21.5		2.5
100	256QAM	1	1	19.06	19.17	19.10	19.5		4.5
Channel				506200	518598	529998	24.0	0.0	
Frequency (MHz)				2541	2692.99	2644.98			
90	QPSK	1	1	23.29	23.48	23.29	24.0		0.0
Channel				507204	518598	529998	24.0	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.28	23.42	23.34	24.0		0.0
Channel				508200	518598	531998	24.0	0.0	
Frequency (MHz)				2526	2692.99	2659.98			
60	QPSK	1	1	23.30	23.48	23.35	24.0		0.0
Channel				504204	518598	532998	24.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.30	23.44	23.36	24.0		0.0
Channel				503202	518598	534000	24.0	0.0	
Frequency (MHz)				2516.01	2692.99	2670			
40	QPSK	1	1	23.28	23.45	23.29	24.0		0.0
Channel				502200	518598	534998	24.0	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.31	23.46	23.30	24.0		0.0
Channel				501204	518598	535998	24.0	0.0	
Frequency (MHz)				2506.02	2692.99	2679.99			
20	QPSK	1	1	23.33	23.43	23.31	24.0		0.0

n41 PC2 ENDC Ant5_Other PA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000	24.0	0.0	
Frequency (MHz)				2546.01	2692.99	2640			
100	PI/2 BPSK	1	1	23.42	23.49	23.30	24.0	0.0	
100	PI/2 BPSK	1	137	23.43	23.52	23.50			
100	PI/2 BPSK	1	271	23.43	23.46	23.45			
100	PI/2 BPSK	135	0	23.21	23.34	23.16		0.0	
100	PI/2 BPSK	135	69	23.15	23.36	23.39	24.0		0.0
100	PI/2 BPSK	135	138	23.35	23.53	23.30	24.0	0.0	
100	PI/2 BPSK	270	0	23.26	23.46	23.21			
100	QPSK	1	1	23.54	23.60	23.46	24.0	0.0	
100	QPSK	1	137	23.38	23.57	23.39			
100	QPSK	1	271	23.42	23.59	23.35			
100	QPSK	135	0	23.36	23.46	23.37		0.0	
100	QPSK	135	69	23.42	23.45	23.35	24.0		0.0
100	QPSK	135	138	23.36	23.38	23.24	24.0	0.0	
100	QPSK	270	0	23.43	23.47	23.32			
100	16QAM	1	1	23.30	23.54	23.30	24.0		0.0
100	64QAM	1	1	23.11	23.38	23.22	24.0		0.0
100	256QAM	1	1	21.76	21.98	21.87	22.5		1.5
Channel				506200	518598	539998	24.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.50	23.45	23.42	24.0		0.0
Channel				507204	518598	529998	24.0	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.37	23.54	23.29	24.0		0.0
Channel				508200	518598	531998	24.0	0.0	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.28	23.34	23.21	24.0		0.0
Channel				504204	518598	532998	24.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.30	23.51	23.32	24.0		0.0
Channel				503202	518598	534000	24.0	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.40	23.55	23.25	24.0		0.0
Channel				502200	518598	534998	24.0	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.51	23.59	23.29	24.0		0.0
Channel				501204	518598	535998	24.0	0.0	
Frequency (MHz)				2506.02	2692.99	2679.99			
20	QPSK	1	1	23.30	23.37	23.30	24.0		0.0

Part270 n77 PC2&PC3 ENDC 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				656000	666000	665000	18.0	0.0
Frequency (MHz)				3750	3840	3930		
100	Pi/2 BPSK	1	1	16.55	16.67	16.69	18.0	0.0
100	Pi/2 BPSK	1	137	16.58	16.67	16.61		
100	Pi/2 BPSK	1	271	16.63	16.59	16.59		
100	Pi/2 BPSK	135	0	16.55	16.55	16.61		
100	Pi/2 BPSK	135	69	16.56	16.67	16.51	18.0	0.0
100	Pi/2 BPSK	135	138	16.59	16.59	16.44	18.0	0.0
100	Pi/2 BPSK	270	0	16.54	16.62	16.54		
100	QPSK	1	1	16.66	16.76	16.64	18.0	0.0
100	QPSK	1	137	16.62	16.63	16.53		
100	QPSK	1	271	16.52	16.58	16.61		
100	QPSK	135	0	16.50	16.60	16.53	18.0	0.0
100	QPSK	135	69	16.58	16.64	16.50	18.0	0.0
100	QPSK	135	138	16.45	16.62	16.46	18.0	0.0
100	QPSK	270	0	16.50	16.65	16.53		
100	16QAM	1	1	16.52	16.52	16.46	18.0	0.0
100	64QAM	1	1	16.52	16.67	16.57	18.0	0.0
100	256QAM	1	1	16.53	16.74	16.54	18.0	0.0
Channel				649668	660000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.50	16.60	16.56	18.0	0.0
Channel				649334	666000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.59	16.65	16.54	18.0	0.0
Channel				649200	666000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.58	16.60	16.52	18.0	0.0
Channel				648668	666000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.58	16.60	16.49	18.0	0.0
Channel				648334	666000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.57	16.68	16.57	18.0	0.0
Channel				648000	666000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.56	16.61	16.51	18.0	0.0
Channel				647668	666000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.61	16.62	16.59	18.0	0.0
Channel				647334	666000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.52	16.63	16.52	18.0	0.0

Part27Q n77 PC2&PC3 ENDC 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				633334			18.0	0.0
Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1	16.53	16.58	16.61	18.0	0.0
100	Pi/2 BPSK	1	137	16.41	16.59	16.34		
100	Pi/2 BPSK	1	271	16.55	16.58	16.55		
100	Pi/2 BPSK	135	0	16.55	16.55	16.60		
100	Pi/2 BPSK	135	69	16.55	16.61	16.45	18.0	0.0
100	Pi/2 BPSK	135	138	16.51	16.61	16.53	18.0	0.0
100	Pi/2 BPSK	270	0	16.50	16.60	16.59		
100	QPSK	1	1	16.58	16.69	16.59	18.0	0.0
100	QPSK	1	137	16.62	16.61	16.51		
100	QPSK	1	271	16.59	16.62	16.62		
100	QPSK	135	0	16.54	16.59	16.56	18.0	0.0
100	QPSK	135	69	16.59	16.63	16.55	18.0	0.0
100	QPSK	135	138	16.45	16.54	16.50	18.0	0.0
100	QPSK	270	0	16.50	16.56	16.47		
100	16QAM	1	1	16.50	16.61	16.53	18.0	0.0
100	64QAM	1	1	16.61	16.62	16.57	18.0	0.0
100	256QAM	1	1	16.62	16.60	16.55	18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.39	16.54	16.30	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.36	16.48	16.39	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.40	16.51	16.32	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.38	16.56	16.29	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.39	16.53	16.39	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.42	16.52	16.33	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.41	16.54	16.36	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.42	16.54	16.32	18.0	0.0

Part270 n78 PC2&PC3 Ant8 ENDC

BW [MHz]	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		16.60		18.0	0.0	
100	Pi/2 BPSK	1	137		16.59				
100	Pi/2 BPSK	1	271		16.49		18.0	0.0	
100	Pi/2 BPSK	135	0		16.44				
100	Pi/2 BPSK	135	69		16.57		18.0	0.0	
100	Pi/2 BPSK	135	138		16.47				
100	Pi/2 BPSK	270	0		16.52		18.0	0.0	
100	QPSK	1	1		16.66				
100	QPSK	1	137		16.56		18.0	0.0	
100	QPSK	1	271		16.51				
100	QPSK	135	0		16.46		18.0	0.0	
100	QPSK	135	69		16.61				
100	QPSK	135	138		16.51		18.0	0.0	
100	QPSK	270	0		16.50				
100	16QAM	1	1		16.40		18.0	0.0	
100	64QAM	1	1		16.49				
100	256QAM	1	1		16.54		18.0	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		16.41	16.48	16.38	18.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		16.42	16.56	16.35	18.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		16.40	16.51	16.38	18.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		16.40	16.56	16.39	18.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		16.46	16.57	16.44	18.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		16.47	16.48	16.43	18.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		16.43	16.55	16.34	18.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		16.38	16.48	16.34	18.0	0.0

Part27Q n78 PC2&PC3 ENDC 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					633334			
Frequency (MHz)					3500.01			
100	PV2 BPSK	1	1		16.54		18.0	0.0
100	PV2 BPSK	1	137		16.58			
100	PV2 BPSK	1	271		16.57		18.0	0.0
100	PV2 BPSK	135	0		16.45			
100	PV2 BPSK	135	69		16.56		18.0	0.0
100	PV2 BPSK	135	138		16.54			
100	PV2 BPSK	270	0		16.60		18.0	0.0
100	QPSK	1	1		16.62			
100	QPSK	1	137		16.61		18.0	0.0
100	QPSK	1	271		16.45			
100	QPSK	135	0		16.53		18.0	0.0
100	QPSK	135	69		16.55			
100	QPSK	135	138		16.48		18.0	0.0
100	QPSK	270	0		16.47			
100	16QAM	1	1		16.46		18.0	0.0
100	64QAM	1	1		16.55			
100	256QAM	1	1		16.61		18.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dbm)	(dB)
90	QPSK	1	1	16.36	16.48	16.40	18.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dbm)	(dB)
80	QPSK	1	1	16.37	16.46	16.39	18.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dbm)	(dB)
70	QPSK	1	1	16.35	16.47	16.35	18.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dbm)	(dB)
60	QPSK	1	1	16.46	16.47	16.39	18.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dbm)	(dB)
50	QPSK	1	1	16.47	16.51	16.42	18.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dbm)	(dB)
40	QPSK	1	1	16.43	16.45	16.43	18.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dbm)	(dB)
30	QPSK	1	1	16.43	16.47	16.38	18.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dbm)	(dB)
20	QPSK	1	1	16.46	16.48	16.41	18.0	0.0

n41 PC3 Ant6_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				507202	518598	528000			
Frequency (MHz)				2540.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.35	21.44	21.33	22.5	0.0	
100	PI/2 BPSK	1	137	21.38	21.43	21.30			
100	PI/2 BPSK	1	271	21.45	21.47	21.43			
100	PI/2 BPSK	135	0	21.37	21.39	21.32			
100	PI/2 BPSK	135	69	21.39	21.49	21.43	22.5	0.0	
100	PI/2 BPSK	135	138	21.37	21.48	21.38			
100	PI/2 BPSK	270	0	21.40	21.49	21.47			
100	QPSK	1	1	21.48	21.51	21.35			
100	QPSK	1	137	21.36	21.39	21.31	22.5	0.0	
100	QPSK	1	271	21.28	21.40	21.27			
100	QPSK	135	0	21.33	21.45	21.35			
100	QPSK	135	69	21.44	21.49	21.40			
100	QPSK	135	138	21.32	21.42	21.29	22.5	0.0	
100	QPSK	270	0	21.40	21.43	21.36			
100	16QAM	1	1	21.32	21.38	21.33			
100	64QAM	1	1	20.54	20.68	20.59			
100	256QAM	1	1	18.32	18.45	18.41	3.0		
Channel				507200	518598	529998	Tune-up limit		
Frequency (MHz)				2541	2592.99	2644.98	(dBm)		
90	QPSK	1	1	21.32	21.38	21.23	22.5		
Channel				507204	518598	529998	Tune-up limit		
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)		
80	QPSK	1	1	21.38	21.49	21.23	22.5		
Channel				507200	518598	531998	Tune-up limit		
Frequency (MHz)				2526	2592.99	2659.98	(dBm)		
60	QPSK	1	1	21.42	21.47	21.18	22.5		
Channel				504204	518598	532998	Tune-up limit		
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)		
50	QPSK	1	1	21.39	21.38	21.26	22.5		
Channel				503202	518598	534000	Tune-up limit		
Frequency (MHz)				2516.01	2592.99	2670	(dBm)		
40	QPSK	1	1	21.45	21.42	21.28	22.5		
Channel				502200	518598	534998	Tune-up limit		
Frequency (MHz)				2511	2592.99	2674.98	(dBm)		
30	QPSK	1	1	21.38	21.39	21.29	22.5		
Channel				501204	518598	535998	Tune-up limit		
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)		
20	QPSK	1	1	21.38	21.35	21.20	22.5		

n41 PC2 Ant6_UL MIMO											
BW [MHz]	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	21.35	21.44	21.33	22.5	0.0			
100	PI/2 BPSK	1	137	21.38	21.43	21.30					
100	PI/2 BPSK	1	271	21.45	21.47	21.43					
100	PI/2 BPSK	135	0	21.37	21.39	21.32					
100	PI/2 BPSK	135	69	21.39	21.49	21.38	22.5	0.0			
100	PI/2 BPSK	135	138	21.37	21.48	21.38					
100	PI/2 BPSK	270	0	21.40	21.49	21.47					
100	QPSK	1	1	21.48	21.51	21.35					
100	QPSK	1	137	21.36	21.39	21.31	22.5	0.0			
100	QPSK	1	271	21.28	21.40	21.27					
100	QPSK	135	0	21.33	21.45	21.35					
100	QPSK	135	69	21.44	21.49	21.40					
100	QPSK	135	138	21.32	21.42	21.29	22.5	0.0			
100	QPSK	270	0	21.40	21.43	21.36					
100	16QAM	1	1	21.32	21.38	21.33				22.5	
100	64QAM	1	1	21.43	21.47	21.34				22.5	
100	256QAM	1	1	21.25	21.35	21.19	22.5				
Channel				508200	518598	529998	Tune-up limit				
Frequency (MHz)				2541	2592.99	2644.98	(dBm)				
90	QPSK	1	1	21.32	21.38	21.23	22.5				
Channel				507204	518598	529998	Tune-up limit				
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)				
80	QPSK	1	1	21.38	21.49	21.23	22.5				
Channel				507200	518598	531998	Tune-up limit				
Frequency (MHz)				2526	2592.99	2659.98	(dBm)				
60	QPSK	1	1	21.42	21.47	21.18	22.5				
Channel				504204	518598	532998	Tune-up limit				
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)				
50	QPSK	1	1	21.39	21.38	21.26	22.5				
Channel				503202	518598	534000	Tune-up limit				
Frequency (MHz)				2516.01	2592.99	2670	(dBm)				
40	QPSK	1	1	21.45	21.42	21.28	22.5				
Channel				502200	518598	534998	Tune-up limit				
Frequency (MHz)				2511	2592.99	2674.98	(dBm)				
30	QPSK	1	1	21.38	21.39	21.29	22.5				
Channel				501204	518598	535998	Tune-up limit				
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)				
20	QPSK	1	1	21.38	21.35	21.20	22.5				

Part270 n77 PC2&PC3 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	666000	666000	19.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	Pi/2 BPSK	1	1	18.09	18.18	18.06	19.0	0.0	
100	Pi/2 BPSK	1	137	17.99	18.13	17.97			
100	Pi/2 BPSK	1	271	17.89	18.06	17.93			
100	Pi/2 BPSK	135	0	17.99	18.06	18.03			
100	Pi/2 BPSK	135	69	18.06	18.13	18.11	19.0	0.0	
100	Pi/2 BPSK	135	138	17.89	18.04	17.98	19.0	0.0	
100	Pi/2 BPSK	270	0	18.00	18.05	17.93			
100	QPSK	1	1	18.08	18.21	18.17	19.0	0.0	
100	QPSK	1	137	17.97	18.10	17.95			
100	QPSK	1	271	17.95	18.08	18.00			
100	QPSK	135	0	17.99	18.07	17.93		0.0	
100	QPSK	135	69	18.06	18.15	18.13	19.0	0.0	
100	QPSK	135	138	18.10	18.13	18.01	19.0	0.0	
100	QPSK	270	0	18.00	18.13	18.02			
100	16QAM	1	1	18.12	18.16	18.07	19.0	0.0	
100	64QAM	1	1	18.02	18.12	18.08	19.0	0.0	
100	256QAM	1	1	17.94	18.05	18.04	19.0	0.0	
Channel				648668	666000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.96	18.06	18.05	19.0	0.0	
Channel				649334	666000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.92	18.00	18.13	19.0	0.0	
Channel				649000	666000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.04	18.17	18.03	19.0	0.0	
Channel				648668	666000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.01	18.07	18.05	19.0	0.0	
Channel				648334	666000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.01	18.13	18.05	19.0	0.0	
Channel				648000	666000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.02	18.13	18.14	19.0	0.0	
Channel				647668	666000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	17.99	18.08	18.15	19.0	0.0	
Channel				647334	666000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	17.94	18.08	18.06	19.0	0.0	

Part27Q n77 PC2&PC3 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633334	19.0	0.0	
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1			18.47	19.0	0.0	
100	Pi/2 BPSK	1	137			18.49			
100	Pi/2 BPSK	1	271			18.57			
100	Pi/2 BPSK	135	0			18.50			
100	Pi/2 BPSK	135	69			18.47	19.0	0.0	
100	Pi/2 BPSK	135	138			18.49	19.0	0.0	
100	Pi/2 BPSK	270	0			18.52			
100	QPSK	1	1			18.58	19.0	0.0	
100	QPSK	1	137			18.51			
100	QPSK	1	271			18.55			
100	QPSK	135	0			18.50		0.0	
100	QPSK	135	69			18.56	19.0	0.0	
100	QPSK	135	138			18.46	19.0	0.0	
100	QPSK	270	0			18.50			
100	16QAM	1	1			18.54	19.0	0.0	
100	64QAM	1	1			18.46	19.0	0.0	
100	256QAM	1	1			18.40	19.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	18.44	18.43	18.55	19.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	18.42	18.41	18.46	19.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	18.44	18.43	18.49	19.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	18.41	18.45	18.49	19.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	18.47	18.47	18.52	19.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	18.54	18.47	18.45	19.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	18.42	18.52	18.47	19.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	18.54	18.53	18.47	19.0	0.0	

Part270 n78 PC2&PC3 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	19.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PV2 BPSK	1	1		18.04		19.0	0.0	
100	PV2 BPSK	1	137		18.03				
100	PV2 BPSK	1	271		18.01				
100	PV2 BPSK	135	0		18.01				
100	PV2 BPSK	135	69		18.03		19.0	0.0	
100	PV2 BPSK	135	138		18.05		19.0	0.0	
100	PV2 BPSK	270	0		18.00		19.0	0.0	
100	QPSK	1	1		18.11		19.0	0.0	
100	QPSK	1	137		18.08				
100	QPSK	1	271		17.95				
100	QPSK	135	0		17.96				
100	QPSK	135	69		18.06		19.0	0.0	
100	QPSK	135	138		18.00		19.0	0.0	
100	QPSK	270	0		18.06		19.0	0.0	
100	16QAM	1	1		17.94		19.0	0.0	
100	64QAM	1	1		18.00		19.0	0.0	
100	256QAM	1	1		17.95		19.0	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		17.95	18.01	17.95	19.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		18.06	18.04	18.02	19.0	0.0
Channel				649200	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		18.09	17.99	17.96	19.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		18.06	17.95	17.99	19.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		18.03	17.98	17.95	19.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		18.02	18.00	18.05	19.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		18.01	18.02	18.08	19.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		18.05	18.06	18.08	19.0	0.0

Part27Q n78 PC2&PC3 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			19.0	0.0	
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1		18.45		19.0	0.0	
100	PV2 BPSK	1	137		18.46				
100	PV2 BPSK	1	271		18.41				
100	PV2 BPSK	135	0		18.38				
100	PV2 BPSK	135	69		18.36		19.0	0.0	
100	PV2 BPSK	135	138		18.39		19.0	0.0	
100	PV2 BPSK	270	0		18.41		19.0	0.0	
100	QPSK	1	1		18.50		19.0	0.0	
100	QPSK	1	137		18.40				
100	QPSK	1	271		18.34				
100	QPSK	135	0		18.44				
100	QPSK	135	69		18.46		19.0	0.0	
100	QPSK	135	138		18.33		19.0	0.0	
100	QPSK	270	0		18.41		19.0	0.0	
100	16QAM	1	1		18.38		19.0	0.0	
100	64QAM	1	1		18.43		19.0	0.0	
100	256QAM	1	1		18.35		19.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		18.39	18.47	18.38	19.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		18.43	18.48	18.40	19.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		18.35	18.38	18.45	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		18.42	18.45	18.47	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		18.43	18.44	18.45	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		18.38	18.38	18.37	19.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		18.38	18.39	18.47	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		18.39	18.33	18.41	19.0	0.0



Reduced Power Mode for Body-worn&Handheld

n2 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				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	19.69	19.85	19.74	21.5	0.0	
20	PI/2 BPSK	1	53	19.67	19.76	19.62			
20	PI/2 BPSK	1	104	19.63	19.78	19.72			
20	PI/2 BPSK	50	0	19.69	19.77	19.70			
20	PI/2 BPSK	50	29	19.71	19.77	19.70	21.5	0.0	
20	PI/2 BPSK	50	56	19.75	19.82	19.72	21.5	0.0	
20	PI/2 BPSK	100	0	19.72	19.85	19.76			
20	QPSK	1	1	19.77	19.92	19.88	21.5	0.0	
20	QPSK	1	53	19.73	19.80	19.78			
20	QPSK	1	104	19.72	19.79	19.64			
20	QPSK	50	0	19.74	19.81	19.68		0.0	
20	QPSK	50	29	19.74	19.89	19.77	21.5	0.0	
20	QPSK	50	56	19.74	19.82	19.80	21.5	0.0	
20	QPSK	100	0	19.71	19.79	19.70			
20	16QAM	1	1	19.73	19.84	19.81	21.5	0.0	
20	64QAM	1	1	19.66	19.79	19.76	21.5	0.0	
20	256QAM	1	1	17.70	17.86	17.82	19.5	2.0	
Channel				371500	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	19.71	19.88	19.82	21.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	19.62	19.84	19.85	21.5	0.0	
Channel				370500	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	19.63	19.82	19.71	21.5	0.0	

n25 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				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI/2 BPSK	1	1	19.91	19.93	19.81	21.5	0.0	
40	PI/2 BPSK	1	108	19.82	19.90	19.81			
40	PI/2 BPSK	1	214	19.96	20.00	19.98			
40	PI/2 BPSK	108	0	19.82	19.86	19.75		0.0	
40	PI/2 BPSK	108	54	19.77	19.90	19.85	21.5	0.0	
40	PI/2 BPSK	108	108	19.76	19.91	19.76	21.5	0.0	
40	PI/2 BPSK	216	0	19.82	19.88	19.80			
40	QPSK	1	1	19.91	20.03	19.96	21.5	0.0	
40	QPSK	1	108	19.83	19.90	19.85			
40	QPSK	1	214	19.86	19.92	19.86			
40	QPSK	108	0	19.85	19.95	19.89		0.0	
40	QPSK	108	54	19.88	20.01	19.91	21.5	0.0	
40	QPSK	108	108	19.85	19.98	19.86	21.5	0.0	
40	QPSK	216	0	19.86	19.91	19.81			
40	16QAM	1	1	19.92	20.00	19.93	21.5	0.0	
40	64QAM	1	1	19.77	19.93	19.90	21.5	0.0	
40	256QAM	1	1	17.61	18.00	17.63	19.5	2.0	
Channel				373500	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	19.72	19.90	19.75	21.5	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	19.76	19.97	19.79	21.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	19.85	19.87	19.85	21.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910			
10	QPSK	1	1	19.79	20.00	19.79	21.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	19.84	19.94	19.75	21.5	0.0	

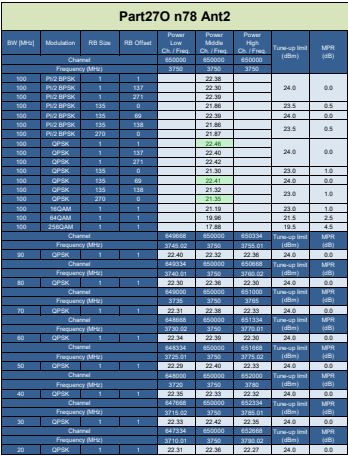


Part270 n77 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	22.41	22.50	22.45			
100	PSS-BPSK	1	137	22.48	22.41	22.48	24.0	0.0	
100	PSS-BPSK	1	271	22.51	22.42	22.43			
100	PSS-BPSK	136	0	21.78	21.76	21.82	23.0	0.0	
100	PSS-BPSK	136	86	22.28	22.24	22.32	26.0	0.0	
100	PSS-BPSK	136	136	21.91	21.91	21.91	23.0	0.0	
100	PSS-BPSK	270	0	21.85	22.00	21.91			
100	QPSK	1	1	22.55	22.50	22.45			
100	QPSK	1	137	22.23	22.51	22.35	24.0	0.0	
100	QPSK	1	271	22.45	22.45	22.45			
100	QPSK	136	0	21.28	21.32	21.28	23.0	1.0	
100	QPSK	136	86	22.48	22.54	22.45	24.0	0.0	
100	QPSK	136	136	21.45	21.48	21.47	23.0	1.0	
100	QPSK	270	0	21.31	21.49	21.33			
100	ISACAM	1	1	21.15	21.17	21.08	23.0	1.0	
100	ISACAM	1	1	19.65	19.75	19.58	21.0	2.5	
100	ISACAM	1	1	17.15	17.78	17.63	19.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.45	22.49	22.35	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.41	22.50	22.34	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.50	22.51	22.33	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.48	22.58	22.50	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.41	22.51	22.32	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.48	22.48	22.38	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.50	22.45	22.38	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.45	22.53	22.36	24.0	0.0	

Part270 n77 PC2 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	24.35	24.49	24.45			
100	PSS-BPSK	1	137	24.43	24.51	24.43	26.0	0.0	
100	PSS-BPSK	1	271	24.45	24.43	24.35			
100	PSS-BPSK	136	0	24.40	24.53	24.42	26.0	0.0	
100	PSS-BPSK	136	86	24.42	24.51	24.39	26.0	0.0	
100	PSS-BPSK	136	136	24.39	24.45	24.40	26.0	0.0	
100	PSS-BPSK	270	0	24.35	24.49	24.37			
100	QPSK	1	1	24.55	24.50	24.51			
100	QPSK	1	137	24.37	24.50	24.37	26.0	0.0	
100	QPSK	1	271	24.32	24.48	24.45			
100	QPSK	136	0	24.34	24.49	24.35	26.0	0.0	
100	QPSK	136	86	24.42	24.54	24.46	26.0	0.0	
100	QPSK	136	136	24.31	24.45	24.37	26.0	0.0	
100	QPSK	270	0	24.48	24.52	24.43			
100	ISACAM	1	1	24.30	24.45	24.38	26.0	0.0	
100	ISACAM	1	1	22.09	22.16	21.88	24.5	1.5	
100	ISACAM	1	1	21.13	21.20	21.13	22.0	3.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.34	24.54	24.45	26.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.30	24.48	24.38	26.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.39	24.44	24.44	26.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.43	24.48	24.44	26.0	1.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.33	24.54	24.37	26.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.40	24.50	24.40	26.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.42	24.52	24.48	26.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.52	24.48	24.47	26.0	0.0	

Part27Q n77 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	23.35					
100	PSS-BPSK	1	137	23.39			24.0	0.0	
100	PSS-BPSK	1	271	23.81					
100	PSS-BPSK	136	0	23.67			23.0	0.0	
100	PSS-BPSK	136	86	23.52			23.0	0.0	
100	PSS-BPSK	136	136	23.28			23.0	0.0	
100	PSS-BPSK	270	0	23.51					
100	QPSK	1	1	23.51					
100	QPSK	1	137	23.59			24.0	0.0	
100	QPSK	1	271	23.73					
100	QPSK	136	0	23.17			23.0	1.0	
100	QPSK	136	86	23.65			24.0	0.0	
100	QPSK	136	136	23.75			24.0	1.0	
100	QPSK	270	0	23.51					
100	ISACAM	1	1	23.30			23.0	1.0	
100	ISACAM	1	1	20.88			21.0	2.5	
100	ISACAM	1	1	19.00			19.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.12	23.22	23.11	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.19	23.22	23.20	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.14	23.23	23.15	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.19	23.22	23.13	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.10	23.27	23.11	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.09	23.18	23.11	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.18	23.23	23.16	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.11	23.16	23.15	24.0	0.0	

Part27Q n77 PC2 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	23.95					
100	PSS-BPSK	1	137	23.88			25.0	0	0.0
100	PSS-BPSK	156	0	23.88	23.94		25.0	0.0	
100	PSS-BPSK	156	0	23.88	23.94		25.0	0.0	
100	PSS-BPSK	213	0	23.24	23.30		25.0	0.0	
100	PSS-BPSK	156	136	23.28	23.34		25.0	0.0	
100	QPSK	1	137	28.16			25.0	0.1	
100	QPSK	1	137	28.16			25.0	0.1	
100	QPSK	156	0	23.73	23.79		25.0	0.0	
100	QPSK	156	0	23.73	23.79		25.0	0.0	
100	QPSK	156	136	23.48	23.54		25.0	0.0	
100	QPSK	213	0	23.13	23.19		25.0	0.0	
100	QPSK	156	136	23.13	23.19		25.0	0.0	
100	8QAM	1	1	23.62			24.5	0.0	
100	8QAM	1	1	23.62			24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.95	23.95	23.95	Turn-up time	MPS	
50	QPSK	1	1	24.21	24.21	24.21	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.25	24.25	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.25	24.25	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	25.0	0.0	

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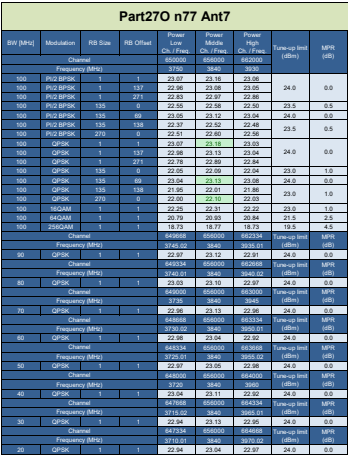
Part27q n78 PC2 Ant2							
RF MHz	Modulation	RF Side	RF Offset	Power [dBm]	Frequency [MHz]	Power High [dBm]	Power Low [dBm]
Channel							
500	FSK	Channel			883434		
500	FSK	Frequency [MHz]			24.17		
500	FSK	RF Side	1	139	24.17		20.1
500	FSK	RF Side	2	139	24.17		20.1
500	FSK	RF Side	3	139	24.17		20.1
500	FSK	RF Side	4	139	24.17		20.1
500	FSK	RF Side	5	139	24.17		20.1
500	FSK	RF Side	6	139	24.17		20.1
500	FSK	RF Side	7	139	24.17		20.1
500	FSK	RF Side	8	139	24.17		20.1
500	FSK	RF Side	9	139	24.17		20.1
500	FSK	RF Side	10	139	24.17		20.1
500	FSK	RF Side	11	139	24.17		20.1
500	FSK	RF Side	12	139	24.17		20.1
500	FSK	RF Side	13	139	24.17		20.1
500	FSK	RF Side	14	139	24.17		20.1
500	FSK	RF Side	15	139	24.17		20.1
500	FSK	RF Side	16	139	24.17		20.1
500	FSK	RF Side	17	139	24.17		20.1
500	FSK	RF Side	18	139	24.17		20.1
500	FSK	RF Side	19	139	24.17		20.1
500	FSK	RF Side	20	139	24.17		20.1
500	FSK	RF Side	21	139	24.17		20.1
500	FSK	RF Side	22	139	24.17		20.1
500	FSK	RF Side	23	139	24.17		20.1
500	FSK	RF Side	24	139	24.17		20.1
500	FSK	RF Side	25	139	24.17		20.1
500	FSK	RF Side	26	139	24.17		20.1
500	FSK	RF Side	27	139	24.17		20.1
500	FSK	RF Side	28	139	24.17		20.1
500	FSK	RF Side	29	139	24.17		20.1
500	FSK	RF Side	30	139	24.17		20.1
500	FSK	RF Side	31	139	24.17		20.1
500	FSK	RF Side	32	139	24.17		20.1
500	FSK	RF Side	33	139	24.17		20.1
500	FSK	RF Side	34	139	24.17		20.1
500	FSK	RF Side	35	139	24.17		20.1
500	FSK	RF Side	36	139	24.17		20.1
500	FSK	RF Side	37	139	24.17		20.1
500	FSK	RF Side	38	139	24.17		20.1
500	FSK	RF Side	39	139	24.17		20.1
500	FSK	RF Side	40	139	24.17		20.1
500	FSK	RF Side	41	139	24.17		20.1
500	FSK	RF Side	42	139	24.17		20.1
500	FSK	RF Side	43	139	24.17		20.1
500	FSK	RF Side	44	139	24.17		20.1
500	FSK	RF Side	45	139	24.17		20.1
500	FSK	RF Side	46	139	24.17		20.1
500	FSK	RF Side	47	139	24.17		20.1
500	FSK	RF Side	48	139	24.17		20.1
500	FSK	RF Side	49	139	24.17		20.1
500	FSK	RF Side	50	139	24.17		20.1
500	FSK	RF Side	51	139	24.17		20.1
500	FSK	RF Side	52	139	24.17		20.1
500	FSK	RF Side	53	139	24.17		20.1
500	FSK	RF Side	54	139	24.17		20.1
500	FSK	RF Side	55	139	24.17		20.1
500	FSK	RF Side	56	139	24.17		20.1
500	FSK	RF Side	57	139	24.17		20.1
500	FSK	RF Side	58	139	24.17		20.1
500	FSK	RF Side	59	139	24.17		20.1
500	FSK	RF Side	60	139	24.17		20.1
500	FSK	RF Side	61	139	24.17		20.1
500	FSK	RF Side	62	139	24.17		20.1
500	FSK	RF Side	63	139	24.17		20.1
500	FSK	RF Side	64	139	24.17		20.1
500	FSK	RF Side	65	139	24.17		20.1
500	FSK	RF Side	66	139	24.17		20.1
500	FSK	RF Side	67	139	24.17		20.1
500	FSK	RF Side	68	139	24.17		20.1
500	FSK	RF Side	69	139	24.17		20.1
500	FSK	RF Side	70	139	24.17		20.1
500	FSK	RF Side	71	139	24.17		20.1
500	FSK	RF Side	72	139	24.17		20.1
500	FSK	RF Side	73	139	24.17		20.1
500	FSK	RF Side	74	139	24.17		20.1
500	FSK	RF Side	75	139	24.17		20.1
500	FSK	RF Side	76	139	24.17		20.1
500	FSK	RF Side	77	139	24.17		20.1
500	FSK	RF Side	78	139	24.17		20.1
500	FSK	RF Side	79	139	24.17		20.1
500	FSK	RF Side	80	139	24.17		20.1
500	FSK	RF Side	81	139	24.17		20.1
500	FSK	RF Side	82	139	24.17		20.1
500	FSK	RF Side	83	139	24.17		20.1
500	FSK	RF Side	84	139	24.17		20.1
500	FSK	RF Side	85	139	24.17		20.1
500	FSK	RF Side	86	139	24.17		20.1
500	FSK	RF Side	87	139	24.17		20.1
500	FSK	RF Side	88	139	24.17		20.1
500	FSK	RF Side	89	139	24.17		20.1
500	FSK	RF Side	90	139	24.17		20.1
500	FSK	RF Side	91	139	24.17		20.1
500	FSK	RF Side	92	139	24.17		20.1
500	FSK	RF Side	93	139	24.17		20.1
500	FSK	RF Side	94	139	24.17		20.1
500	FSK	RF Side	95	139	24.17		20.1
500	FSK	RF Side	96	139	24.17		20.1
500	FSK	RF Side	97	139	24.17		20.1
500	FSK	RF Side	98	139	24.17		20.1
500	FSK	RF Side	99	139	24.17		20.1
500	FSK	RF Side	100	139	24.17		20.1
500	FSK	RF Side	101	139	24.17		20.1
500	FSK	RF Side	102	139	24.17		20.1
500	FSK	RF Side	103	139	24.17		20.1
500	FSK	RF Side	104	139	24.17		20.1
500	FSK	RF Side	105	139	24.17		20.1
500	FSK	RF Side	106	139	24.17		20.1
500	FSK	RF Side	107	139	24.17		20.1
500	FSK	RF Side	108	139	24.17		20.1
500	FSK	RF Side	109	139	24.17		20.1
500	FSK	RF Side	110	139	24.17		20.1
500	FSK	RF Side	111	139	24.17		20.1
500	FSK	RF Side	112	139	24.17		20.1
500	FSK	RF Side	113	139	24.17		20.1
500	FSK	RF Side	114	139	24.17		20.1
500	FSK	RF Side	115	139	24.17		20.1
500	FSK	RF Side	116	139	24.17		20.1
500	FSK	RF Side	117	139	24.17		20.1
500	FSK	RF Side	118	139	24.17		20.1
500	FSK	RF Side	119	139	24.17		20.1
500	FSK	RF Side	120	139	24.17		20.1
500	FSK	RF Side	121	139	24.17		20.1
500	FSK	RF Side	122	139	24.17		20.1
500	FSK	RF Side	123	139	24.17		20.1
500	FSK	RF Side	124	139	24.17		20.1
500	FSK	RF Side	125	139	24.17		20.1
500	FSK	RF Side	126	139	24.17		20.1
500	FSK	RF Side	127	139	24.17		20.1
500	FSK	RF Side	128	139	24.17		20.1
500	FSK	RF Side	129	139	24.17		20.1
500	FSK	RF Side	130	139	24.17		20.1
500	FSK	RF Side	131	139	24.17		20.1
500	FSK	RF Side	132	139	24.17		20.1
500	FSK	RF Side	133	139	24.17		20.1
500	FSK	RF Side	134	139	24.17		20.1
500	FSK	RF Side	135	139	24.17		20.1
500	FSK	RF Side	136	139	24.17		20.1
500	FSK	RF Side	137	139	24.17		20.1
500	FSK	RF Side	138	139	24.17		20.1
500	FSK	RF Side	139	139	24.17		20.1
500	FSK	RF Side	140	139	24.17		20.1
500	FSK	RF Side	141	139	24.17		20.1
500	FSK	RF Side	142	139	24.17		20.1
500	FSK	RF Side	143	139	24.17		20.1
500	FSK	RF Side	144	139	24.17		20.1
500	FSK	RF Side	145	139	24.17		20.1
500	FSK	RF Side	146	139	24.17		20.1
500	FSK	RF Side	147	139	24.17		20.1
500	FSK	RF Side	148	139	24.17		20.1
500	FSK	RF Side	149	139	24.17		20.1
500	FSK	RF Side	150	139	24.17		20.1
500	FSK	RF Side	151	139	24.17		20.1
500	FSK	RF Side	152	139	24.17		20.1
500	FSK	RF Side	153	139	24.17		20.1
500	FSK	RF Side	154	139	24.17		20.1
500	FSK	RF Side	155	139	24.17		20.1
500	FSK	RF Side	156	139	24.17		20.1
500	FSK	RF Side	157	139	24.17		20.1
500	FSK	RF Side	158	139	24.17		20.1
500	FSK	RF Side	159	139	24.17		20.1
500	FSK	RF Side	160	139	24.17		20.1
500	FSK	RF Side	161	139	24.17		20.1
500	FSK	RF Side	162	139	24.17		20.1
500	FSK	RF Side	163	139	24.17		20.1
500	FSK	RF Side	164	139	24.17		20.1
500	FSK	RF Side	165	139	24.17		20.1
500	FSK	RF Side	166	139	24.17		20.1
500	FSK	RF Side	167	139	24.17		20.1
500	FSK	RF Side	168	139	24.17		20.1
500	FSK	RF Side	169	139	24.17		20.1
500	FSK	RF Side	170	139	24.17		20.1
500	FSK	RF Side	171	139	24.17		20.1
500	FSK	RF Side	172	139	24.17		20.1
500	FSK	RF Side	173	139	24.17		20.1
500	FSK	RF Side	174	139	24.17		20.1
500	FSK	RF Side	175	139	24.17		20.1
500	FSK	RF Side	176	139	24.17		20.1
500	FSK	RF Side	177	139	24.17		20.1
500	FSK	RF Side	178	139	24.17		20.1
500	FSK	RF Side	179	139	24.17		20.1
500	FSK	RF Side	180	139	24.17		20.1
500	FSK	RF Side	181	139	24.17		20.1
500	FSK	RF Side	182	139	24.17		20.1
500	FSK	RF Side	183	139	24.17		20.1
500	FSK	RF Side	184	139	24.17		20.1
500	FSK	RF Side	185	139	24.17		20.1
500	FSK	RF Side	186	139	24.17		20.1
500	FSK	RF Side	187	139	24.17		20.1
500	FSK	RF Side	188	139	24.17		20.1
500	FSK	RF Side	189	139	24.17</		



n38 Ant6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516998	23.0	0.0	
Frequency (MHz)				2580.02	2595	2599.98			
40	PI2 BPSK	1	1	21.88	21.94	21.88	23.0	0.0	
40	PI2 BPSK	1	53	21.76	21.90	21.82			
40	PI2 BPSK	1	104	21.80	21.85	21.74	22.5	0.5	
40	PI2 BPSK	50	0	21.34	21.46	21.37			
40	PI2 BPSK	50	28	21.88	21.93	21.86	23.0	0.0	
40	PI2 BPSK	50	58	21.39	21.44	21.36			
40	PI2 BPSK	100	0	20.77	20.89	20.80	22.5	0.5	
40	QPSK	1	1	21.89	21.97	21.86			
40	QPSK	1	53	21.78	21.87	21.72	23.0	0.0	
40	QPSK	1	104	21.79	21.83	21.74			
40	QPSK	50	0	20.80	20.88	20.83	22.0	1.0	
40	QPSK	50	28	21.85	21.96	21.88			
40	QPSK	50	58	20.80	20.91	20.81	22.0	1.0	
40	QPSK	100	0	20.87	20.97	20.89			
40	16QAM	1	1	20.83	20.89	20.84	22.0	1.0	
40	64QAM	1	1	19.47	19.62	19.54			
40	256QAM	1	1	17.42	17.46	17.42	18.5	4.5	
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	21.77	21.91	21.73	23.0	0.0	
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2280	2295	2310			
20	QPSK	1	1	21.74	21.84	21.72	23.0	0.0	

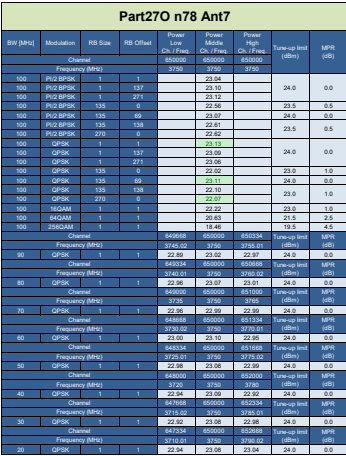
n41 Ant6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	518598	520998	24.0	0.0	
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	22.79	22.93	22.82	24.0	0.0	
100	PI2 BPSK	1	137	22.86	22.89	22.78			
100	PI2 BPSK	1	271	22.91	22.95	22.90	23.5	0.5	
100	PI2 BPSK	135	0	22.28	22.32	22.27			
100	PI2 BPSK	135	69	22.78	22.86	22.82	24.0	0.0	
100	PI2 BPSK	135	138	22.29	22.40	22.29			
100	PI2 BPSK	270	0	22.34	22.44	22.35	23.5	0.5	
100	QPSK	1	1	22.89	22.97	22.84			
100	QPSK	1	137	22.87	22.90	22.83	24.0	0.0	
100	QPSK	1	271	22.81	22.94	22.88			
100	QPSK	135	0	21.73	21.88	21.78	23.0	1.0	
100	QPSK	135	69	22.82	22.91	22.83			
100	QPSK	135	138	21.82	21.85	21.71	23.0	1.0	
100	QPSK	270	0	21.81	21.85	21.79			
100	16QAM	1	1	22.02	22.09	22.03	23.0	1.0	
100	64QAM	1	1	20.54	20.68	20.59		2.5	
100	256QAM	1	1	18.32	18.45	18.41	19.5	4.5	
Channel				505200	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2641	2592.99	2644.98			
90	QPSK	1	1	22.79	22.85	22.79	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.81	22.88	22.73	24.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2592.99	2659.98			
60	QPSK	1	1	22.84	22.83	22.74	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2654.99			
50	QPSK	1	1	22.80	22.84	22.78	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2592.99	2670			
40	QPSK	1	1	22.83	22.86	22.75	24.0	0.0	
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2592.99	2674.98			
30	QPSK	1	1	22.82	22.92	22.72	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2592.02	2592.99	2679.99			
20	QPSK	1	1	22.78	22.83	22.70	24.0	0.0	

n41 PC2 Ant6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	518598	520998	24.0	0.0	
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	23.41	23.54	23.50	24.5	0.0	
100	PI2 BPSK	1	137	23.47	23.53	23.47			
100	PI2 BPSK	1	271	23.41	23.44	23.40	23.5	0.0	
100	PI2 BPSK	135	0	23.37	23.48	23.43			
100	PI2 BPSK	135	69	23.28	23.44	23.34	24.5	0.0	
100	PI2 BPSK	135	138	23.38	23.49	23.43			
100	PI2 BPSK	270	0	23.29	23.43	23.31	23.5	0.0	
100	QPSK	1	1	23.52	23.56	23.46			
100	QPSK	1	137	23.42	23.48	23.31	24.5	0.0	
100	QPSK	1	271	23.23	23.39	23.33			
100	QPSK	135	0	23.30	23.41	23.37	24.5	0.0	
100	QPSK	135	69	23.48	23.53	23.37			
100	QPSK	135	138	23.46	23.52	23.41	24.5	0.0	
100	QPSK	270	0	23.35	23.44	23.37			
100	16QAM	1	1	23.44	23.47	23.36	24.5	0.0	
100	64QAM	1	1	23.45	23.53	23.39		2.0	
100	256QAM	1	1	21.47	21.49	21.33	22.5		
Channel				505200	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2641	2592.99	2644.98			
90	QPSK	1	1	23.49	23.45	23.37	24.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.49	23.43	23.40	24.5	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2592.99	2659.98			
60	QPSK	1	1	23.37	23.50	23.38	24.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2654.99			
50	QPSK	1	1	23.41	23.48	23.31	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2592.99	2670			
40	QPSK	1	1	23.43	23.41	23.32	24.5	0.0	
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2592.99	2674.98			
30	QPSK	1	1	23.38	23.53	23.41	24.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2592.02	2592.99	2679.99			
20	QPSK	1	1	23.40	23.53	23.41	24.5	0.0	

[illegible]

Part27Q n77 Ant7								
RF MHz	Modulation	RF Side	RF Offset	Power Tx (mW)	Power Rx (mW)	Power High Ch (mW)	Interp. up to 100%	MPK dB
Frequency (MHz)				91300	91334			
100	PSK25Q	1	0	23.28	23.28		24.1	0.0
100	PSK25Q	1	149	23.28	23.28			
100	PSK25Q	1	299	23.28	23.28			
100	PSK25Q	156	0	22.88	22.88		23.1	0.0
100	PSK25Q	156	149	23.28	23.28			
100	PSK25Q	156	299	23.28	23.28		23.1	0.0
100	QPSK	273	0	22.71	22.71			
100	QPSK	273	149	22.71	22.71			
100	QPSK	273	299	22.71	22.71		24.1	0.0
100	QPSK	156	0	22.34	22.34		23.1	1.0
100	QPSK	156	149	22.34	22.34			
100	QPSK	156	299	22.34	22.34		23.1	1.0
100	QPSK	273	0	22.17	22.17			
100	QPSK	273	149	22.17	22.17		23.1	1.0
100	QPSK	273	299	22.17	22.17		23.1	1.0
100	SSB40M	1	0	20.72	20.72		21.5	2.0
100	SSB40M	1	149	20.72	20.72		21.5	2.0
Channel				91300	91334	91368	Interp. up to 100%	MPK
50	QPSK	1	0	23.24	23.28	23.22	24.1	0.0
50	QPSK	1	149	23.28	91334	91300		MPK
50	QPSK	1	299	23.28	91334	91300		MPK
50	QPSK	156	0	22.88	91334	91300		MPK
50	QPSK	156	149	23.28	23.36	23.36	24.1	0.0
50	QPSK	156	299	23.28	23.36	23.36	24.1	0.0
Frequency (MHz)				346.81	346.81	346.81		
50	QPSK	1	0	22.73	91334	91300		MPK
50	QPSK	1	149	22.73	91334	91300		MPK
50	QPSK	1	299	22.73	91334	91300		MPK
50	QPSK	156	0	22.34	22.36	22.34	24.1	0.0
Channel				91368	91334	91300	Interp. up to 100%	MPK
50	QPSK	1	0	23.28	23.28	23.24	24.1	0.0
50	QPSK	1	149	23.28	23.32	23.23	24.1	0.0
50	QPSK	1	299	23.28	23.32	23.23	24.1	0.0
Frequency (MHz)				344.91	344.91	344.91		
40	QPSK	1	0	22.19	22.19	22.19	24.1	0.0
40	QPSK	1	149	22.19	22.19	22.19	24.1	0.0
40	QPSK	1	299	22.19	22.19	22.19	24.1	0.0
Channel				91368	91334	91300	Interp. up to 100%	MPK
30	QPSK	1	0	23.14	23.14	23.14	24.1	0.0
30	QPSK	1	149	23.23	23.34	23.34	24.1	0.0

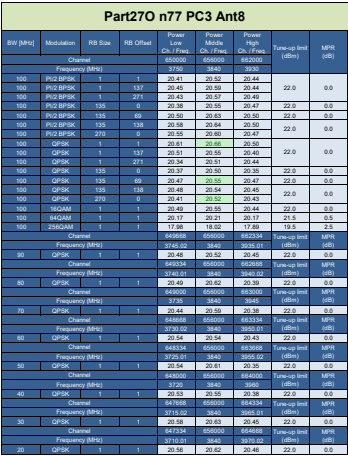
Part27 n77 PC2 Ant7							
RF MHz	Modulation	Ch ID	RF Offset	Trans Power [dBm]	Modulation Type	Min Rate [kbps]	SPR [dB]
Channel B3334							
150	PSK-BPSK	1	0	23.45	23.45	24.0	0.0
150	PSK-BPSK	1	100	23.45	23.45	24.0	0.0
150	PSK-BPSK	1	200	23.45	23.45	24.0	0.0
150	PSK-BPSK	150	0	23.37	23.37	24.0	0.0
150	PSK-BPSK	150	100	23.37	23.37	24.0	0.0
150	PSK-BPSK	150	200	23.37	23.37	24.0	0.0
150	PSK-BPSK	210	0	23.24	23.24	24.0	0.0
150	PSK-BPSK	210	100	23.24	23.24	24.0	0.0
150	PSK-BPSK	210	200	23.24	23.24	24.0	0.0
150	PSK-BPSK	1	100	23.45	23.45	24.0	0.0
150	PSK-BPSK	1	200	23.45	23.45	24.0	0.0
150	PSK-BPSK	150	0	23.33	23.33	24.0	0.0
150	PSK-BPSK	150	100	23.33	23.33	24.0	0.0
150	PSK-BPSK	150	200	23.33	23.33	24.0	0.0
150	PSK-BPSK	210	0	23.23	23.23	24.0	0.0
150	PSK-BPSK	210	100	23.23	23.23	24.0	0.0
150	PSK-BPSK	210	200	23.23	23.23	24.0	0.0
150	PSK-BPSK	1	1	23.50	23.50	24.0	0.0
150	PSK-BPSK	1	1	23.50	23.50	24.0	0.0
Channel B3350							
150	PSK-BPSK	1	0	23.46	23.46	24.0	0.0
150	PSK-BPSK	1	100	23.46	23.46	24.0	0.0
150	PSK-BPSK	1	200	23.46	23.46	24.0	0.0
150	PSK-BPSK	150	0	23.38	23.38	24.0	0.0
150	PSK-BPSK	150	100	23.38	23.38	24.0	0.0
150	PSK-BPSK	150	200	23.38	23.38	24.0	0.0
150	PSK-BPSK	210	0	23.25	23.25	24.0	0.0
150	PSK-BPSK	210	100	23.25	23.25	24.0	0.0
150	PSK-BPSK	210	200	23.25	23.25	24.0	0.0
150	PSK-BPSK	1	100	23.46	23.46	24.0	0.0
150	PSK-BPSK	1	200	23.46	23.46	24.0	0.0
150	PSK-BPSK	150	0	23.36	23.36	24.0	0.0
150	PSK-BPSK	150	100	23.36	23.36	24.0	0.0
150	PSK-BPSK	150	200	23.36	23.36	24.0	0.0
150	PSK-BPSK	210	0	23.26	23.26	24.0	0.0
150	PSK-BPSK	210	100	23.26	23.26	24.0	0.0
150	PSK-BPSK	210	200	23.26	23.26	24.0	0.0
150	PSK-BPSK	1	1	23.51	23.51	24.0	0.0
150	PSK-BPSK	1	1	23.51	23.51	24.0	0.0
Channel B3366							
150	PSK-BPSK	1	0	23.47	23.47	24.0	0.0
150	PSK-BPSK	1	100	23.47	23.47	24.0	0.0
150	PSK-BPSK	1	200	23.47	23.47	24.0	0.0
150	PSK-BPSK	150	0	23.39	23.39	24.0	0.0
150	PSK-BPSK	150	100	23.39	23.39	24.0	0.0
150	PSK-BPSK	150	200	23.39	23.39	24.0	0.0
150	PSK-BPSK	210	0	23.26	23.26	24.0	0.0
150	PSK-BPSK	210	100	23.26	23.26	24.0	0.0
150	PSK-BPSK	210	200	23.26	23.26	24.0	0.0
150	PSK-BPSK	1	100	23.47	23.47	24.0	0.0
150	PSK-BPSK	1	200	23.47	23.47	24.0	0.0
150	PSK-BPSK	150	0	23.37	23.37	24.0	0.0
150	PSK-BPSK	150	100	23.37	23.37	24.0	0.0
150	PSK-BPSK	150	200	23.37	23.37	24.0	0.0
150	PSK-BPSK	210	0	23.27	23.27	24.0	0.0
150	PSK-BPSK	210	100	23.27	23.27	24.0	0.0
150	PSK-BPSK	210	200	23.27	23.27	24.0	0.0
150	PSK-BPSK	1	1	23.52	23.52	24.0	0.0
150	PSK-BPSK	1	1	23.52	23.52	24.0	0.0



Part270 n78 PC2 Ant7										
Bit (MHz)	Modulation	Channel	Bit Rate	FS Offset	Time to Tune (ms)	Min. Channel Spacing (MHz)	Min. Channel Spacing (kHz)	High Power Channel Spacing (kHz)	Interp. time (ms)	MPK (dB)
					2700			2700		
150	PS-SSB	Channel	23.00	23.00	23.00	23.00	23.00	23.00	24.0	0.0
150	PS-SSB	Ch 1	19.7	23.00	23.84	23.84	23.84	23.84	24.0	0.0
150	PS-SSB	Ch 2	20.1	23.00	23.81	23.81	23.81	23.81	24.0	0.0
150	PS-SSB	Ch 3	19.6	0	23.00	23.00	23.00	23.00	24.0	0.0
150	PS-SSB	Ch 4	19.6	0	23.00	23.00	23.00	23.00	24.0	0.0
150	PS-SSB	Ch 5	19.6	0	23.00	23.00	23.00	23.00	24.0	0.0
150	PS-SSB	Ch 6	19.6	0	23.00	23.00	23.00	23.00	24.0	0.0
150	PS-SSB	Ch 7	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 8	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 9	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 10	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 11	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 12	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 13	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 14	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 15	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 16	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 17	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 18	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 19	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 20	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 21	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 22	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 23	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 24	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 25	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 26	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 27	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 28	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 29	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 30	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 31	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 32	23.0	0	22.92	22.92	22.92	22.92	24.0	0.0
150	PS-SSB	Ch 33	23.0	0	22					

Part27Q n78 Ant7									
RF MHz	Modulation	RF Side	RF Offset	Power Tx (mW)	Power Rx (mW)	Power High Ch (mW)	Interp up (mW)	Interp down (mW)	MPK (dB)
Channel #16334									
Frequency (MHz)									
100	PS-SSB	1	149	23.28			24.1	0.0	
100	PS-SSB	1	150	23.30					
100	PS-SSB	150	0	22.84			23.5	0.0	
100	PS-SSB	151	0	23.01			23.2	0.0	
100	PS-SSB	156	136	22.49			23.1	0.0	
100	PS-SSB	213	0	22.49					
100	QPSK	1	149	23.16			24.1	0.0	
100	QPSK	1	150	23.16					
100	QPSK	150	0	22.28			23.5	1.0	
100	QPSK	151	0	22.26			23.2	1.0	
100	QPSK	156	136	22.26			23.1	1.0	
100	QPSK	213	0	22.21			23.0	1.0	
100	SSB	1	0	20.00					
100	SSB	150	0	20.78			21.5	2.0	
100	SSB	156	136	21.06			21.5	2.0	
Channel #16335									
100	Frequency (MHz)								MPK
100	PS-SSB	1	221	23.28			23.7	24.0	MPK
100	PS-SSB	150	0	22.84			23.5	24.0	MPK
100	PS-SSB	151	0	23.01			23.2	24.0	MPK
100	PS-SSB	156	136	22.49			23.5	24.0	MPK
100	PS-SSB	213	0	22.49					
100	QPSK	1	221	23.17			23.7	24.0	MPK
100	QPSK	1	222	23.17			23.7	24.0	MPK
100	QPSK	150	0	22.28			23.5	24.0	MPK
100	QPSK	151	0	22.26			23.2	24.0	MPK
100	QPSK	156	136	22.26			23.1	24.0	MPK
100	QPSK	213	0	22.21			23.0	24.0	MPK
100	SSB	1	0	20.00					
100	SSB	150	0	20.78			21.5	24.0	MPK
100	SSB	156	136	21.06			21.5	24.0	MPK
Channel #16336									
100	Frequency (MHz)								MPK
100	PS-SSB	1	221	23.28			23.7	24.0	MPK
100	PS-SSB	150	0	22.84			23.5	24.0	MPK
100	PS-SSB	151	0	23.01			23.2	24.0	MPK
100	PS-SSB	156	136	22.49			23.5	24.0	MPK
100	PS-SSB	213	0	22.49					
100	QPSK	1	221	23.17			23.7	24.0	MPK
100	QPSK	1	222	23.17			23.7	24.0	MPK
100	QPSK	150	0	22.28			23.5	24.0	MPK
100	QPSK	151	0	22.26			23.2	24.0	MPK
100	QPSK	156	136	22.26			23.1	24.0	MPK
100	QPSK	213	0	22.21			23.0	24.0	MPK
100	SSB	1	0	20.00					
100	SSB	150	0	20.78			21.5	24.0	MPK
100	SSB	156	136	21.06			21.5	24.0	MPK

Part27q n78 PC2 Ant7							
RF MHz	Modulation	RF Side	RF Offset	Power [dBm]	Modulation Type	Modulation Rate [kSps]	SPR [dB]
Channel							
Frequency [MHz]				23.10	QPSK	30.00	
400	PSK256QAM	1	1	23.10			
400	PSK256QAM	1	109	23.27			24.0
400	PSK256QAM	1	136	23.27			24.0
400	PSK256QAM	1	156	23.27			24.0
400	PSK256QAM	1	176	23.27			24.0
400	PSK256QAM	1	196	23.27			24.0
400	PSK256QAM	1	216	23.29			24.0
400	PSK256QAM	1	236	23.29			24.0
400	PSK256QAM	1	109	23.28			24.0
400	PSK256QAM	1	136	23.33			24.0
400	PSK256QAM	1	156	23.32			24.0
400	PSK256QAM	1	176	23.30			24.0
400	PSK256QAM	1	196	23.28			24.0
400	PSK256QAM	1	216	23.28			24.0
400	PSK256QAM	1	236	23.28			24.0
400	PSK256QAM	1	109	23.30			24.0
400	PSK256QAM	1	136	23.36			24.0
400	PSK256QAM	1	156	23.36			24.0
400	PSK256QAM	1	176	23.36			24.0
400	PSK256QAM	1	196	23.36			24.0
400	PSK256QAM	1	216	23.36			24.0
400	PSK256QAM	1	236	23.36			24.0
400	PSK256QAM	1	109	23.38			24.0
400	PSK256QAM	1	136	23.38			24.0
400	PSK256QAM	1	156	23.38			24.0
400	PSK256QAM	1	176	23.38			24.0
400	PSK256QAM	1	196	23.38			24.0
400	PSK256QAM	1	216	23.38			24.0
400	PSK256QAM	1	236	23.38			24.0
400	PSK256QAM	1	109	23.38			24.0
400	PSK256QAM	1	136	23.38			24.0
400	PSK256QAM	1	156	23.38			24.0
400	PSK256QAM	1	176	23.38			24.0
400	PSK256QAM	1	196	23.38			24.0
400	PSK256QAM	1	216	23.38			24.0
400	PSK256QAM	1	236	23.38			24.0
400	PSK256QAM	1	109	23.38			24.0
400	PSK256QAM	1	136	23.38			24.0
400	PSK256QAM	1	156	23.38			24.0
400	PSK256QAM	1	176	23.38			24.0
400	PSK256QAM	1	196	23.38			24.0
400	PSK256QAM	1	216	23.38			24.0
400	PSK256QAM	1	236	23.38			24.0
400	PSK256QAM	1	109	23.38			24.0
400	PSK256QAM	1	136	23.38			24.0
400	PSK256QAM	1	156	23.38			24.0
400	PSK256QAM	1	176	23.38			24.0
400	PSK256QAM	1	196	23.38			24.0
400	PSK256QAM	1	216	23.38			24.0
400	PSK256QAM	1	236	23.38			24.0
400	PSK256QAM	1	109	23.38			24.0
400	PSK256QAM						



Part270 n77 PC2 Ant8									
Bit (MHz)	Modulation	Bit Rate	FS Offset	Channel	Power (mWatt)	Power Max (mWatt)	Power Min (mWatt)	Frequency Error (Hz)	MPK (dBm)
Channel									
150	FSK-BPSK	1	0	20.41	20.52	20.44			
150	FSK-BPSK	1	167	20.45	20.50	20.48		22.0	0.0
150	FSK-BPSK	1	333	20.49	20.53	20.51		22.0	0.0
150	FSK-BPSK	1996	0	20.38	20.55	20.47		22.0	0.0
150	FSK-BPSK	1996	167	20.42	20.56	20.52		22.0	0.0
150	FSK-BPSK	1996	333	20.46	20.58	20.56		22.0	0.0
150	QPSK	2713	0	20.55	20.60	20.57			
150	QPSK	2713	167	20.59	20.64	20.61		22.0	0.0
150	QPSK	1	167	20.51	20.55	20.48		22.0	0.0
150	QPSK	1	333	20.54	20.57	20.53		22.0	0.0
150	QPSK	1996	0	20.37	20.50	20.38			
150	QPSK	1996	167	20.41	20.52	20.46		22.0	0.0
150	QPSK	1996	333	20.45	20.54	20.49		22.0	0.0
150	QPSK	2713	0	20.41	20.52	20.43			
150	QPSK	2713	167	20.45	20.54	20.48		22.0	0.0
150	QPSK	1	167	20.47	20.53	20.38		22.0	0.0
150	QPSK	1	333	20.51	20.53	20.47		22.0	0.0
Channel				948668	948668	948234	Frequency Error	MPK	
30	QPSK	1	0	20.48	20.52	20.45			
30	QPSK	1	167	20.52	20.56	20.54		22.0	0.0
30	QPSK	1	333	20.56	20.59	20.57		22.0	0.0
30	QPSK	1996	0	20.43	20.50	20.48			
30	QPSK	1996	167	20.47	20.54	20.51		22.0	0.0
30	QPSK	1996	333	20.49	20.52	20.50		22.0	0.0
30	QPSK	1	167	20.51	20.55	20.53		22.0	0.0
30	QPSK	1	333	20.54	20.58	20.56		22.0	0.0
30	QPSK	1996	0	20.44	20.50	20.46			
30	QPSK	1996	167	20.48	20.54	20.51		22.0	0.0
30	QPSK	1996	333	20.51	20.54	20.53		22.0	0.0
30	QPSK	1	167	20.55	20.58	20.56		22.0	0.0
30	QPSK	1	333	20.58	20.61	20.60		22.0	0.0
30	QPSK	1996	0	20.45	20.50	20.48			
30	QPSK	1996	167	20.49	20.53	20.51		22.0	0.0
30	QPSK	1996	333	20.52	20.55	20.53		22.0	0.0
30	QPSK	1	167	20.56	20.59	20.57		22.0	0.0
30	QPSK	1	333	20.59	20.59	20.58		22.0	0.0
30	QPSK	1996	0	20.46	20.51	20.48			
30	QPSK	1996	167	20.50	20.54	20.52		22.0	0.0
30	QPSK	1996	333	20.53	20.56	20.55		22.0	0.0
30	QPSK	1	167	20.57	20.60	20.58		22.0	0.0
30	QPSK	1	333	20.60	20.63	20.62		22.0	0.0
Channel				947334	948000	948666	Frequency Error	MPK	
30	QPSK	1	0	20.48	20.52	20.45			
30	QPSK	1	167	20.52	20.56	20.54		22.0	0.0

[illegible][illegible]



Part270 n78 PC3 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. @50000]	Power Media Ch. 1 [Frac. @50000]	Power High Ch. 1 [Frac. @50000]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PUS-BPSK	1	1	20.58	20.58	20.60			
100	PUS-BPSK	1	137	20.44	20.44		22.0	0.0	
100	PUS-BPSK	1	271	20.54	20.54				
100	PUS-BPSK	135	0	20.47	20.47		22.0	0.0	
100	PUS-BPSK	135	40	20.45			22.0	0.0	
100	PUS-BPSK	135	136	20.47			22.0	0.0	
100	PUS-BPSK	270	0	20.45					
100	QPSK	1	1	20.51	20.51				
100	QPSK	1	137	20.58			22.0	0.0	
100	QPSK	1	271	20.50					
100	QPSK	135	0	20.47			22.0	0.0	
100	QPSK	135	40	20.56			22.0	0.0	
100	QPSK	135	136	20.51			22.0	0.0	
100	QPSK	270	0	20.50					
100	MSKAM	1	1	20.53			22.0	0.0	
100	MSKAM	1	1	20.56			21.5	0.5	
100	MSKAM	1	1	11.34			19.0	2.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.50	20.49	20.50	22.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.44	20.50	20.58	22.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.45	20.55	20.54	22.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.48	20.49	20.53	22.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.45	20.52	20.48	22.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.47	20.50	20.53	22.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.53	20.48	20.50	22.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.57	20.50	20.54	22.0	0.0	

Part270 n78 PC2 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. @50000]	Power Media Ch. 1 [Frac. @50000]	Power High Ch. 1 [Frac. @50000]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PUS-BPSK	1	1	20.58	20.58				
100	PUS-BPSK	1	137	20.44			22.0	0.0	
100	PUS-BPSK	1	271	20.54					
100	PUS-BPSK	135	0	20.47			22.0	0.0	
100	PUS-BPSK	135	40	20.45			22.0	0.0	
100	PUS-BPSK	135	136	20.47			22.0	0.0	
100	PUS-BPSK	270	0	20.45					
100	QPSK	1	1	20.51	20.51				
100	QPSK	1	137	20.58			22.0	0.0	
100	QPSK	1	271	20.50					
100	QPSK	135	0	20.47			22.0	0.0	
100	QPSK	135	40	20.56			22.0	0.0	
100	QPSK	135	136	20.51			22.0	0.0	
100	QPSK	270	0	20.50					
100	MSKAM	1	1	20.53			22.0	0.0	
100	MSKAM	1	1	20.44			22.0	0.0	
100	MSKAM	1	1	20.45			22.0	0.0	
Channel									
				404668	405000	405332	Turn-up time	MPS	
50	QPSK	1	1	20.52	20.49	20.50	22.0	0.0	
Channel									
				404334	405000	405666	Turn-up time	MPS	
80	QPSK	1	1	20.44	20.50	20.58	22.0	0.0	
Channel									
				404334	405000	405666	Turn-up time	MPS	
70	QPSK	1	1	20.45	20.55	20.54	22.0	0.0	
Channel									
				404334	405000	405666	Turn-up time	MPS	
60	QPSK	1	1	20.44	20.48	20.53	22.0	0.0	
Channel									
				404334	405000	405666	Turn-up time	MPS	
50	QPSK	1	1	20.45	20.52	20.48	22.0	0.0	
Channel									
				404334	405000	405666	Turn-up time	MPS	
40	QPSK	1	1	20.47	20.50	20.53	22.0	0.0	
Channel									
				404334	405000	405666	Turn-up time	MPS	
30	QPSK	1	1	20.53	20.48	20.50	22.0	0.0	
Channel									
				404334	405000	405666	Turn-up time	MPS	
20	QPSK	1	1	20.57	20.50	20.54	22.0	0.0	

Part27Q n78 PC3 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. @50000]	Power Media Ch. 1 [Frac. @50000]	Power High Ch. 1 [Frac. @50000]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PUS-BPSK	1	1	20.65	20.65				
100	PUS-BPSK	1	137	20.52			22.0	0.0	
100	PUS-BPSK	1	271	20.64					
100	PUS-BPSK	135	0	20.62			22.0	0.0	
100	PUS-BPSK	135	40	20.60			22.0	0.0	
100	PUS-BPSK	135	136	20.64			22.0	0.0	
100	PUS-BPSK	270	0	20.52					
100	QPSK	1	1	20.65	20.65				
100	QPSK	1	137	20.58			22.0	0.0	
100	QPSK	1	271	20.60					
100	QPSK	135	0	20.62			22.0	0.0	
100	QPSK	135	40	20.64			22.0	0.0	
100	QPSK	135	136	20.60			22.0	0.0	
100	QPSK	270	0	20.59					
100	MSKAM	1	1	20.57			22.0	0.0	
100	MSKAM	1	1	20.29			21.5	0.5	
100	MSKAM	1	1	13.15			19.5	2.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.53	20.59	20.64	22.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.59	20.57	20.58	22.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.60	20.63	20.67	22.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.60	20.64	20.68	22.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.64	20.58	20.64	22.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.64	20.62	20.60	22.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.60	20.66	20.64	22.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.57	20.60	20.61	22.0	0.0	

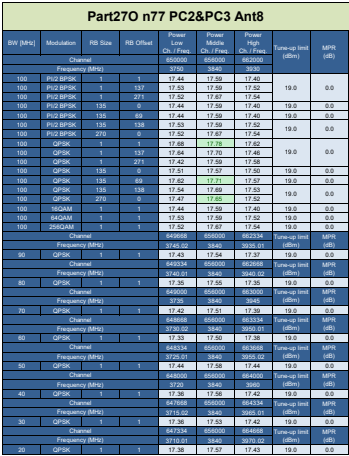
Part27Q n78 PC2 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. @50000]	Power Media Ch. 1 [Frac. @50000]	Power High Ch. 1 [Frac. @50000]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PUS-BPSK	1	1	20.65	20.65				
100	PUS-BPSK	1	137	20.52			22.0	0.0	
100	PUS-BPSK	1	271	20.64					
100	PUS-BPSK	135	0	20.62			22.0	0.0	
100	PUS-BPSK	135	40	20.60			22.0	0.0	
100	PUS-BPSK	135	136	20.64			22.0	0.0	
100	PUS-BPSK	273	0	20.58					
100	PUS-BPSK	273	40	20.60					
100	QPSK	1	137	20.52			22.0	0.0	
100	QPSK	1	271	20.64					
100	QPSK	135	0	20.62			22.0	0.0	
100	QPSK	135	40	20.60			22.0	0.0	
100	QPSK	135	136	20.64			22.0	0.0	
100	QPSK	273	0	20.58					
100	QPSK	273	40	20.60					
100	8QAM4Q	1	1	20.64	20.64				
100	8QAM4Q	1	1	20.64	20.64				
Channel									
				61500	61534	61568	Turn-up time (dBm)	MPS	
50	QPSK	1	1	20.53	20.59	20.69	22.0	0.0	
50	QPSK	1	1	20.53	20.59	20.69	22.0	0.0	
Channel									
				61568	61534	61500	Turn-up time (dBm)	MPS	
50	QPSK	1	1	20.53	20.59	20.69	22.0	0.0	
50	QPSK	1	1	20.59	20.53	20.35	22.0	0.0	
Channel									
				61534	61568	61534	Turn-up time (dBm)	MPS	
50	QPSK	1	1	20.59	20.53	20.35	22.0	0.0	
Channel									
				61568	61534	61568	Turn-up time (dBm)	MPS	
50	QPSK	1	1	20.53	20.59	20.69	22.0	0.0	
50	QPSK	1	1	20.54	20.56	20.64	22.0	0.0	
Channel									
				61534	61568	61534	Turn-up time (dBm)	MPS	
50	QPSK	1	1	20.54	20.56	20.60	22.0	0.0	
Channel									
				61568	61534	61568	Turn-up time (dBm)	MPS	
50	QPSK	1	1	20.56	20.58	20.68	22.0	0.0	
Channel									
				61500	61534	61500	Turn-up time (dBm)	MPS	
50	QPSK	1	1	20.57	20.59	20.61	22.0	0.0	



Reduced Power Mode for Body-worn&Handheld_ENDC&ULCA

n2 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				372000	376000	380000	18.5	0.0	
Frequency (MHz)				1860	1880	1900			
20	PV2 BPSK	1	1	16.91	17.06	17.01	18.5	0.0	
20	PV2 BPSK	1	53	16.96	16.98	16.89			
20	PV2 BPSK	1	104	16.98	17.00	16.93	18.5	0.0	
20	PV2 BPSK	50	0	16.87	17.05	17.04			
20	PV2 BPSK	50	28	17.03	16.98	16.90	18.5	0.0	
20	PV2 BPSK	50	56	16.99	17.05	16.93	18.5	0.0	
20	PV2 BPSK	100	0	17.02	16.98	16.94			
20	QPSK	1	1	16.90	17.13	17.08	18.5	0.0	
20	QPSK	1	53	16.95	17.05	16.96			
20	QPSK	1	104	17.00	17.03	16.90	18.5	0.0	
20	QPSK	50	0	16.94	17.07	16.98			
20	QPSK	50	28	16.96	17.11	17.01	18.5	0.0	
20	QPSK	50	56	16.96	17.01	16.96	18.5	0.0	
20	QPSK	100	0	16.92	17.12	17.02			
20	16QAM	1	1	17.00	16.98	16.82	18.5	0.0	
20	64QAM	1	1	16.97	16.99	16.96	18.5	0.0	
20	256QAM	1	1	16.95	16.98	16.97	18.5	0.0	
Channel				371500	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)	
15	QPSK	1	1	16.98	17.04	16.87	18.5	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	17.01	17.07	16.87	18.5	0.0	
Channel				370500	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	17.03	17.03	16.85	18.5	0.0	

n25 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				374000	376500	379000	18.5	0.0	
Frequency (MHz)				1870	1882.5	1895			
40	PV2 BPSK	1	1	17.11	17.14	17.17	18.5	0.0	
40	PV2 BPSK	1	108	16.95	17.15	16.93			
40	PV2 BPSK	1	214	17.08	17.10	17.10	18.5	0.0	
40	PV2 BPSK	108	0	16.93	17.16	16.89			
40	PV2 BPSK	108	54	17.14	17.11	17.15	18.5	0.0	
40	PV2 BPSK	108	108	16.93	17.07	16.92	18.5	0.0	
40	PV2 BPSK	216	0	16.93	17.09	16.99			
40	QPSK	1	1	17.14	17.18	17.13	18.5	0.0	
40	QPSK	1	108	17.01	17.10	16.98			
40	QPSK	1	214	16.98	17.07	16.98	18.5	0.0	
40	QPSK	108	0	17.09	17.10	17.14			
40	QPSK	108	54	16.93	17.15	16.96	18.5	0.0	
40	QPSK	108	108	16.98	17.03	16.96	18.5	0.0	
40	QPSK	216	0	17.12	17.17	17.12			
40	16QAM	1	1	17.09	17.15	17.12	18.5	0.0	
40	64QAM	1	1	16.97	17.10	16.96	18.5	0.0	
40	256QAM	1	1	16.89	17.08	16.95	18.5	0.0	
Channel				373000	376500	380000	Tune-up limit	MPR	
Frequency (MHz)				1865	1882.5	1900	(dBm)	(dB)	
30	QPSK	1	1	17.00	17.10	16.90	18.5	0.0	
Channel				372000	376500	381000	Tune-up limit	MPR	
Frequency (MHz)				1860	1882.5	1905	(dBm)	(dB)	
20	QPSK	1	1	16.98	17.08	16.91	18.5	0.0	
Channel				371500	376500	381500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)	(dB)	
15	QPSK	1	1	16.99	17.11	16.95	18.5	0.0	
Channel				371000	376500	382000	Tune-up limit	MPR	
Frequency (MHz)				1855	1882.5	1910	(dBm)	(dB)	
10	QPSK	1	1	17.01	17.09	16.97	18.5	0.0	
Channel				370500	376500	382500	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)	(dB)	
5	QPSK	1	1	16.96	17.09	16.91	18.5	0.0	

[illegible]

Part270 n78 PC2&PC3 Ant8							
RF (MHz)	Modulation	RF Side	RF Offset	Time Interval (sec)	Min Value (dBm)	Max Value (dBm)	APR (dBm)
Frequency (MHz)							
100	PSK256QAM	1	1	17.93	17.93	17.93	10.0
100	PSK256QAM	1	129	17.47	17.47	17.47	10.0
100	PSK256QAM	1	259	17.47	17.47	17.47	10.0
100	PSK256QAM	156	0	17.37	17.37	17.37	10.0
100	PSK256QAM	156	128	17.46	17.46	17.46	10.0
100	PSK256QAM	156	256	17.46	17.46	17.46	10.0
100	PSK256QAM	213	0	17.84	17.84	17.84	10.0
100	PSK256QAM	213	128	17.47	17.47	17.47	10.0
100	PSK256QAM	1	129	17.47	17.47	17.47	10.0
100	PSK256QAM	1	259	17.47	17.47	17.47	10.0
100	PSK256QAM	156	0	17.43	17.43	17.43	10.0
100	PSK256QAM	156	128	17.43	17.43	17.43	10.0
100	PSK256QAM	156	256	17.43	17.43	17.43	10.0
100	PSK256QAM	213	0	17.37	17.37	17.37	10.0
100	PSK256QAM	213	128	17.36	17.36	17.36	10.0
100	PSK256QAM	213	256	17.35	17.35	17.35	10.0
100	PSK256QAM	1	129	17.47	17.47	17.47	10.0
100	PSK256QAM	1	259	17.47	17.47	17.47	10.0
Channel							
100	PSK256QAM	1	129	984566	984566	984566	Time-up limit
100	PSK256QAM	1	259	984566	984566	984566	Time-up limit
100	PSK256QAM	156	0	984534	984534	984534	Time-up limit
100	PSK256QAM	156	128	984534	984534	984534	Time-up limit
100	PSK256QAM	156	256	984534	984534	984534	Time-up limit
100	PSK256QAM	213	0	984534	984534	984534	Time-up limit
100	PSK256QAM	213	128	984534	984534	984534	Time-up limit
100	PSK256QAM	213	256	984534	984534	984534	Time-up limit
Frequency (MHz)							
50	PSK256QAM	1	1	17.44	17.44	17.44	10.0
50	PSK256QAM	1	129	17.42	17.42	17.42	10.0
50	PSK256QAM	1	259	17.42	17.42	17.42	10.0
50	PSK256QAM	156	0	17.31	17.31	17.31	10.0
50	PSK256QAM	156	128	17.31	17.31	17.31	10.0
50	PSK256QAM	156	256	17.31	17.31	17.31	10.0
50	PSK256QAM	213	0	17.44	17.44	17.44	10.0
50	PSK256QAM	213	128	17.42	17.42	17.42	10.0
50	PSK256QAM	213	256	17.42	17.42	17.42	10.0
50	PSK256QAM	1	129	17.42	17.42	17.42	10.0
50	PSK256QAM	1	259	17.42	17.42	17.42	10.0
50	PSK256QAM	156	0	17.31	17.31	17.31	10.0
50	PSK256QAM	156	128	17.31	17.31	17.31	10.0
50	PSK256QAM	156	256	17.31	17.31	17.31	10.0
50	PSK256QAM	213	0	17.44	17.44	17.44	10.0
50	PSK256QAM	213	128	17.42	17.42	17.42	10.0
50	PSK256QAM	213	256	17.42	17.42	17.42	10.0
50	PSK256QAM	1	129	17.42	17.42	17.42	10.0</

Part27Q n78 PC2&PC3 Ant8							
RF MHz	Modulation	RF Band	RF Out	Power [dBm] [mW]	Modulation [QAM] [PSK]	Rate [Mbps] [Kbps]	SPR [dB]
Channel							
500	Frequency Modulation	1	1	17.00	FSK	12.00	0.0
500	PSK-BPSK	1	129	17.54	16-QAM	12.00	0.0
500	PSK-BPSK	1	255	17.54	16-QAM	12.00	0.0
500	PSK-BPSK	156	0	17.82	16-QAM	12.00	0.0
500	PSK-BPSK	156	128	17.86	16-QAM	12.00	0.0
500	PSK-BPSK	156	255	17.86	16-QAM	12.00	0.0
500	PSK-BPSK	255	0	17.57	16-QAM	12.00	0.0
500	PSK-BPSK	255	128	17.57	16-QAM	12.00	0.0
500	PSK-BPSK	255	255	17.57	16-QAM	12.00	0.0
500	QAM-QAM	1	1	17.50	16-QAM	12.00	0.0
500	QAM-QAM	1	129	17.50	16-QAM	12.00	0.0
500	QAM-QAM	1	255	17.50	16-QAM	12.00	0.0
500	QAM-QAM	156	0	17.82	16-QAM	12.00	0.0
500	QAM-QAM	156	128	17.87	16-QAM	12.00	0.0
500	QAM-QAM	156	255	17.87	16-QAM	12.00	0.0
500	QAM-QAM	255	0	17.57	16-QAM	12.00	0.0
500	QAM-QAM	255	128	17.57	16-QAM	12.00	0.0
500	QAM-QAM	255	255	17.57	16-QAM	12.00	0.0
500	SSB-SSB	1	1	17.50	SSB	12.00	0.0
500	SSB-SSB	1	129	17.50	SSB	12.00	0.0
500	SSB-SSB	1	255	17.50	SSB	12.00	0.0
500	SSB-SSB	156	0	17.82	SSB	12.00	0.0
500	SSB-SSB	156	128	17.87	SSB	12.00	0.0
500	SSB-SSB	156	255	17.87	SSB	12.00	0.0
500	SSB-SSB	255	0	17.57	SSB	12.00	0.0
500	SSB-SSB	255	128	17.57	SSB	12.00	0.0
500	SSB-SSB	255	255	17.57	SSB	12.00	0.0
Channel				83.0000	83.0000	Time-up time	SPR
50	Frequency Modulation	1	1	17.52	FSK	12.00	0.0
50	PSK-BPSK	1	129	17.54	16-QAM	12.00	0.0
50	PSK-BPSK	1	255	17.54	16-QAM	12.00	0.0
50	PSK-BPSK	156	0	17.82	16-QAM	12.00	0.0
50	PSK-BPSK	156	128	17.86	16-QAM	12.00	0.0
50	PSK-BPSK	156	255	17.86	16-QAM	12.00	0.0
50	PSK-BPSK	255	0	17.57	16-QAM	12.00	0.0
50	PSK-BPSK	255	128	17.57	16-QAM	12.00	0.0
50	PSK-BPSK	255	255	17.57	16-QAM	12.00	0.0
50	QAM-QAM	1	1	17.50	16-QAM	12.00	0.0
50	QAM-QAM	1	129	17.50	16-QAM	12.00	0.0
50	QAM-QAM	1	255	17.50	16-QAM	12.00	0.0
50	QAM-QAM	156	0	17.82	16-QAM	12.00	0.0
50	QAM-QAM	156	128	17.87	16-QAM	12.00	0.0
50	QAM-QAM	156	255	17.87	16-QAM	12.00	0.0
50	QAM-QAM	255	0	17.57	16-QAM	12.00	0.0
50	QAM-QAM	255	128	17.57	16-QAM	12.00	0.0
50	QAM-QAM	255	255	17.57	16-QAM	12.00	0.0
50	SSB-SSB	1	1	17.50	SSB	12.00	0.0
50	SSB-SSB	1	129	17.50	SSB	12.00	0.0
50	SSB-SSB	1	255	17.50	SSB	12.00	0.0
50	SSB-SSB	156	0	17.82	SSB	12.00	0.0
50	SSB-SSB	156	128	17.87	SSB	12.00	0.0
50	SSB-SSB	156	255	17.87	SSB	12.00	0.0
50	SSB-SSB	255	0	17.57	SSB	12.00	0.0
50	SSB-SSB	255	128	17.57	SSB	12.00	0.0
50	SSB-SSB	255	255	17.57	SSB	12.00	0.0
Channel				83.0000	83.0000	Time-up time	SPR
50	Frequency Modulation	1	1	17.50	FSK	12.00	0.0
50	PSK-BPSK	1	129	17.54	16-QAM	12.00	0.0
50	PSK-BPSK	1	255	17.54	16-QAM	12.00	0.0
50	PSK-BPSK	156	0	17.82	16-QAM	12.00	0.0
50	PSK-BPSK	156	128	17.86	16-QAM	12.00	0.0
50	PSK-BPSK	156	255	17.86	16-QAM	12.00	0.0
50	PSK-BPSK	255	0	17.57	16-QAM	12.00	0.0
50	PSK-BPSK	255	128	17.57	16-QAM	12.00	0.0
50	PSK-BPSK	255	255	17.57	16-QAM	12.00	0.0
50	QAM-QAM	1	1	17.50	16-QAM	12.00	0.0
50	QAM-QAM	1	129	17.50	16-QAM	12.00	0.0
50	QAM-QAM	1	255	17.50	16-QAM	12.00	0.0
50	QAM-QAM	156	0	17.82	16-QAM	12.00	0.0
50	QAM-QAM	156	128	17.87	16-QAM	12.00	0.0
50	QAM-QAM	156	255	17.87	16-QAM	12.00	0.0
50	QAM-QAM	255	0	17.57	16-QAM	12.00	0.0
50	QAM-QAM	255	128	17.57	16-QAM	12.00	0.0
50	QAM-QAM	255	255	17.57	16-QAM	12.00	0.0
50	SSB-SSB	1	1	17.50	SSB	12.00	0.0
50	SSB-SSB	1	129	17.50	SSB	12.00	0.0
50	SSB-SSB	1	255	17.50	SSB	12.00	0.0
50	SSB-SSB	156	0	17.82	SSB	12.00	0.0
50	SSB-SSB	156	128	17.87	SSB	12.00	0.0
50	SSB-SSB	156	255	17.87	SSB	12.00	0.0
50	SSB-SSB	255	0	17.57	SSB	12.00	0.0
50	SSB-SSB	255	128	17.57	SSB	12.00	0.0
50	SSB-SSB	255	255	17.57	SSB	12.00	0.0
Channel				83.0000	83.0000	Time-up time	SPR
50	Frequency Modulation	1	1	17.50	FSK	12.00	0.0
50	PSK-BPSK	1	129	17.54	16-QAM	12.00	0.0
50	PSK-BPSK	1	255	17.54	16-QAM	12.00	0.0
50	PSK-BPSK	156	0	17.82	16-QAM	12.00	0.0
50	PSK-BPSK	156	128	17.86	16-QAM	12.00	0.0
50	PSK-BPSK	156	255	17.86	16-QAM	12.00	0.0
50	PSK-BPSK	255	0	17.57	16-QAM	12.00	0.0
50	PSK-BPSK	255	128	17.57	16-QAM	12.00	0.0
50	PSK-BPSK	255	255	17.57	16-QAM	12.00	0.0
50	QAM-QAM	1	1	17.50	16-QAM	12.00	0.0
50	QAM-QAM	1	129	17.50	16-QAM	12.00	0.0
50	QAM-QAM	1	255	17.50	16-QAM	12.00	0.0
50	QAM-QAM	156	0	17.82	16-QAM	12.00	0.0
50	QAM-QAM	156	128	17.87	16-QAM	12.00	0.0
50	QAM-QAM	156	255	17.87	16-QAM	12.00	0.0
50	QAM-QAM	255	0	17.57	16-QAM	12.00	0.0
50	QAM-QAM	255	128	17.57	16-QAM	12.00	0.0
50	QAM-QAM	255	255	17.57	16-QAM	12.00	0.0
50	SSB-SSB	1	1	17.50	SSB	12.00	0.0
50	SSB-SSB	1	129	17.50	SSB	12.00	0.0
50	SSB-SSB	1	255	17.50	SSB	12.00	0.0
50	SSB-SSB	156	0	17.82	SSB	12.00	0.0
50	SSB-SSB	156	128	17.87	SSB	12.00	0.0
50	SSB-SSB	156	255	17.87	SSB	12.00	0.0
50	SSB-SSB	255	0	17.57	SSB	12.00	0.0
50	SSB-SSB	255	128	17.57	SSB	12.00	0.0
50	SSB-SSB	255	255	17.57	SSB	12.00	0.0
Channel				83.0000	83.0000	Time-up time	SPR

n41 PC3 Ant6_UL MIMO								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				507204	518598	529998	21.5	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
100	PI/2 BPSK	1	1	20.54	20.58	20.45	21.5	0.0
100	PI/2 BPSK	1	137	20.31	20.47	20.36		
100	PI/2 BPSK	1	271	20.19	20.31	20.21	21.5	0.0
100	PI/2 BPSK	135	0	20.38	20.39	20.37		
100	PI/2 BPSK	135	69	20.40	20.42	20.37	21.5	0.0
100	PI/2 BPSK	135	138	20.33	20.40	20.31		
100	PI/2 BPSK	270	0	20.26	20.44	20.39	21.5	0.0
100	QPSK	1	1	20.57	20.64	20.55		
100	QPSK	1	137	20.27	20.39	20.36	21.5	0.0
100	QPSK	1	271	20.26	20.32	20.19		
100	QPSK	135	0	20.38	20.39	20.36	21.5	0.0
100	QPSK	135	69	20.38	20.44	20.40		
100	QPSK	135	138	20.33	20.43	20.34	21.5	0.0
100	QPSK	270	0	20.38	20.48	20.42		
100	16QAM	1	1	20.54	20.53	20.48	21.5	0.0
100	64QAM	1	1	20.24	20.28	20.23		
100	256QAM	1	1	18.32	18.45	18.41	19.5	2.0
Channel				507200	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	20.52	20.57	20.37	21.5	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	20.53	20.56	20.38	21.5	0.0
Channel				505200	518598	531998	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	20.44	20.54	20.37	21.5	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	20.46	20.54	20.42	21.5	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	20.54	20.50	20.38	21.5	0.0
Channel				502200	518598	534998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	20.49	20.52	20.38	21.5	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	20.54	20.55	20.41	21.5	0.0

n41 PC2 Ant6_UL MIMO								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				507202	518598	528000	21.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.54	20.58	20.45	21.5	0.0
100	PI/2 BPSK	1	137	20.31	20.47	20.36		
100	PI/2 BPSK	1	271	20.19	20.31	20.21	21.5	0.0
100	PI/2 BPSK	135	0	20.38	20.39	20.37		
100	PI/2 BPSK	135	69	20.46	20.42	20.37	21.5	0.0
100	PI/2 BPSK	135	138	20.33	20.40	20.31		
100	PI/2 BPSK	270	0	20.26	20.44	20.39	21.5	0.0
100	QPSK	1	1	20.57	20.64	20.55		
100	QPSK	1	137	20.27	20.39	20.36	21.5	0.0
100	QPSK	1	271	20.26	20.32	20.19		
100	QPSK	135	0	20.38	20.39	20.36	21.5	0.0
100	QPSK	135	69	20.38	20.44	20.40		
100	QPSK	135	138	20.33	20.43	20.34	21.5	0.0
100	QPSK	270	0	20.38	20.48	20.42		
100	16QAM	1	1	20.54	20.53	20.48	21.5	0.0
100	64QAM	1	1	20.24	20.28	20.23		
100	256QAM	1	1	20.20	20.38	20.26	21.5	0.0
Channel				505200	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	20.52	20.57	20.37	21.5	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	20.53	20.56	20.38	21.5	0.0
Channel				505200	518598	531998	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	20.44	20.54	20.37	21.5	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	20.46	20.54	20.42	21.5	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	20.54	20.50	20.38	21.5	0.0
Channel				502200	518598	534998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	20.49	20.52	20.38	21.5	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	20.54	20.55	20.41	21.5	0.0



Part270 n77 PC3 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. dBm]	Power Max Ch. 1 [Frac. dBm]	Power High Ch. 1 [Frac. dBm]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
100	PUSC BPSK	1	1	20.00	20.18	20.00			
100	PUSC BPSK	1	137	20.01	20.14	20.07	21.0	0.0	
100	PUSC BPSK	1	271	19.75	19.90	19.80			
100	PUSC BPSK	136	0	20.08	20.17	20.00	21.0	0.0	
100	PUSC BPSK	136	0	20.09	20.16	19.99	21.0	0.0	
100	PUSC BPSK	136	136	19.99	20.09	20.00	21.0	0.0	
100	PUSC BPSK	270	0	19.76	19.90	19.84			
100	QPSK	1	1	20.07	20.07	20.07			
100	QPSK	1	137	19.94	20.17	20.06	21.0	0.0	
100	QPSK	1	271	19.75	19.85	19.80			
100	QPSK	136	0	20.00	20.18	20.00	21.0	0.0	
100	QPSK	136	0	20.01	20.16	20.04	21.0	0.0	
100	QPSK	136	136	19.99	20.10	20.04	21.0	0.0	
100	QPSK	270	0	19.75	19.88	19.82	21.0	0.0	
100	16QAM	1	1	20.06	20.17	20.01	21.0	0.0	
100	16QAM	1	1	20.08	20.14	20.08	21.0	0.0	
100	16QAM	1	1	19.75	19.77	19.75	19.0	1.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.00	20.13	20.00	21.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.00	20.19	19.99	21.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.07	20.19	20.00	21.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.00	20.17	20.00	21.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.00	20.14	20.00	21.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	19.98	20.14	20.00	21.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.00	20.17	20.00	21.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.00	20.12	20.01	21.0	0.0	

Part270 n77 PC2 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. dBm]	Power Max Ch. 1 [Frac. dBm]	Power High Ch. 1 [Frac. dBm]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
100	PUSC BPSK	1	1	20.00	20.18	20.00			
100	PUSC BPSK	1	137	20.01	20.14	20.07	21.0	0.0	
100	PUSC BPSK	1	271	19.75	19.80	19.80			
100	PUSC BPSK	136	0	20.00	20.17	20.00	21.0	0.0	
100	PUSC BPSK	136	0	20.01	20.16	19.99	21.0	0.0	
100	PUSC BPSK	136	136	19.99	20.09	20.00	21.0	0.0	
100	PUSC BPSK	270	0	19.76	19.90	19.84			
100	QPSK	1	1	20.07	20.07	20.07			
100	QPSK	1	137	19.94	20.17	20.06	21.0	0.0	
100	QPSK	1	271	19.75	19.85	19.80			
100	QPSK	136	0	20.00	20.18	20.00	21.0	0.0	
100	QPSK	136	0	20.01	20.16	20.04	21.0	0.0	
100	QPSK	136	136	19.99	20.10	20.04	21.0	0.0	
100	QPSK	270	0	19.75	19.88	19.82	21.0	0.0	
100	16QAM	1	1	20.06	20.17	20.01	21.0	0.0	
100	16QAM	1	1	20.08	20.14	20.08	21.0	0.0	
100	16QAM	1	1	19.75	19.77	19.75	19.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.00	20.13	20.00	21.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.00	20.19	19.99	21.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.07	20.19	20.00	21.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.00	20.17	20.00	21.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.00	20.14	20.00	21.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	19.98	20.14	20.00	21.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.00	20.17	20.00	21.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.00	20.12	20.01	21.0	0.0	

Part27Q n77 Ant7 PC3 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. dBm]	Power Max Ch. 1 [Frac. dBm]	Power High Ch. 1 [Frac. dBm]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
100	PUSC BPSK	1	1	20.20		20.17			
100	PUSC BPSK	1	137	20.17		20.17	21.0	0.0	
100	PUSC BPSK	1	271	20.18		20.18			
100	PUSC BPSK	136	0	20.20		20.20	21.0	0.0	
100	PUSC BPSK	136	0	20.20		20.20	21.0	0.0	
100	PUSC BPSK	136	136	20.16		20.16	21.0	0.0	
100	PUSC BPSK	270	0	20.21		20.21			
100	QPSK	1	1	20.20		20.20			
100	QPSK	1	137	20.20		20.20	21.0	0.0	
100	QPSK	1	271	20.20		20.20			
100	QPSK	136	0	20.20		20.20	21.0	0.0	
100	QPSK	136	0	20.20		20.20	21.0	0.0	
100	QPSK	136	136	20.24		20.24	21.0	0.0	
100	QPSK	270	0	20.20		20.20	21.0	0.0	
100	16QAM	1	1	20.20		20.20	21.0	0.0	
100	16QAM	1	1	20.20		20.20	21.0	0.0	
100	16QAM	1	1	20.20		20.20	21.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.24	20.20	20.20	21.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.21	20.26	20.24	21.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.23	20.30	20.25	21.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.20	20.25	20.20	21.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.21	20.22	20.20	21.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.22	20.24	20.20	21.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.20	20.24	20.20	21.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.20	20.27	20.19	21.0	0.0	

Part27Q n77 PC2 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. dBm]	Power Max Ch. 1 [Frac. dBm]	Power High Ch. 1 [Frac. dBm]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
500	PB-SSB	1	1	20,00	20,00	20,00			
500	PB-SSB	1	1	20,00	20,00	20,00			
500	PB-SSB	1	1	20,00	20,00	20,00		21,0	0,0
500	PB-SSB	156	0	20,28	20,28	20,28		21,0	0,0
500	PB-SSB	156	0	20,28	20,28	20,28		21,0	0,0
500	PB-SSB	156	156	20,16	20,16	20,16		21,0	0,0
500	PB-SSB	212	0	20,23	20,23	20,23		21,0	0,0
500	PB-SSB	212	0	20,23	20,23	20,23		21,0	0,0
500	PB-SSB	1	1	20,00	20,00	20,00		21,0	0,0
500	PB-SSB	1	1	20,00	20,00	20,00		21,0	0,0
500	PB-SSB	156	0	20,22	20,22	20,22		21,0	0,0
500	PB-SSB	156	0	20,22	20,22	20,22		21,0	0,0
500	PB-SSB	156	156	20,24	20,24	20,24		21,0	0,0
500	PB-SSB	212	0	20,20	20,20	20,20		21,0	0,0
500	PB-SSB	212	0	20,20	20,20	20,20		21,0	0,0
500	PB-SSB	1	1	20,00	20,00	20,00		21,0	0,0
500	PB-SSB	1	1	20,00	20,00	20,00		21,0	0,0
Channel									
				61500	61534	61568	Turn-up time	MPE	
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,24	21,0	0,0
50	QPSK	1	1	20,24	20,24	20,24	20,		

Part270 n78 Ant7 PC3 Ant7_UL MIMO									
RF MIMO	Modulation	Channel	RS Config	Time Slot	Power Spectral Density	Power Spectral Density	Power Spectral Density	Power Spectral Density	Power Spectral Density
		Frequency (MHz)		Power Spectral Density	Power Spectral Density	Power Spectral Density	Power Spectral Density	Power Spectral Density	Power Spectral Density
100	PC3	150	1	1	20.08	20.08	20.08	20.08	20.08
100	PC3	150	1	169	20.07	20.07	20.07	20.07	20.07
100	PC3	150	1	281	20.08	20.08	20.08	20.08	20.08
100	PC3	150	1	393	20.08	20.08	20.08	20.08	20.08
100	PC3	150	1	505	20.08	20.08	20.08	20.08	20.08
100	PC3	270	1	1	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	169	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	327	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	485	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	643	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	801	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	959	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	1117	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	1275	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	1433	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	1591	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	1749	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	1907	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	2065	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	2223	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	2381	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	2539	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	2697	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	2855	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	3013	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	3171	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	3329	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	3487	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	3645	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	3803	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	3961	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	4119	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	4277	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	4435	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	4593	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	4751	20.03	20.03	20.03	20.03	20.03
100	PC3	270	1	4909	20.03	20.03	20.03	20.03	20.

Part270 n78 PC2 Ant7_UL MIMO									
BS (MHz)	Modulation	Channel	BS Offset	Time Slot	Power Watts	Power dBm	Power dBm	Interp. gain dB	MPE (dB)
150	PC2 SPSK	1	1	270	20.08	-	270	-	-
150	PC2 SPSK	1	167	270	20.08	-	270	21.0	0.0
150	PC2 SPSK	166	0	270	20.08	-	270	21.0	0.0
150	PC2 SPSK	166	0	270	20.08	-	270	21.0	0.0
150	PC2 SPSK	166	136	270	20.08	-	270	21.0	0.0
150	PC2 SPSK	270	0	270	20.03	-	270	21.0	0.0
150	PC2 SPSK	270	0	270	20.03	-	270	21.0	0.0
150	PC2 SPSK	1	167	270	20.13	-	270	21.0	0.0
150	PC2 SPSK	166	0	270	20.13	-	270	21.0	0.0
150	PC2 SPSK	166	0	270	20.24	-	270	21.0	0.0
150	PC2 SPSK	166	136	270	20.13	-	270	21.0	0.0
150	PC2 SPSK	270	0	270	20.27	-	270	21.0	0.0
150	PC2 SPSK	270	0	270	20.27	-	270	21.0	0.0
150	PC2 SPSK	1	1	270	21.06	-	270	21.0	0.0
150	PC2 SPSK	Channel		046668	046660	046664	Interp. gain	14.94	-
30	PC2 SPSK	1	1	15.84	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Channel		046334	046330	046338	Interp. gain	14.94	-
30	PC2 SPSK	Frequency (MHz)	1	15.84	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	15.88	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	15.92	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	15.96	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.00	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.04	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.08	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.12	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.16	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.20	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.24	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.28	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.32	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.36	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.40	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.44	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.48	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.52	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.56	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.60	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.64	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.68	13.39	13.39	21.0	0.0	-
30	PC2 SPSK	Frequency (MHz)	1	16.72	13.39	13.39	21.0	0.0	-

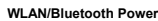
Part27Q n78 Ant7 PC3 Ant7_UL MIMO									
RF MIMO	Multicast	RS ID	RS Clout	Time Type	Time Type	Time Type	Time Type	Time Type	Time Type
				153334	153334				
				153334	153334				
100	PC3	153334	1	20.15	20.15				
100	PC3	153334	1	20.15	20.15			21.0	0.0
100	PC3	153334	1	20.15	20.15				
100	PC3	153334	156	0	20.38			21.0	0.0
100	PC3	153334	156	0	20.38				
100	PC3	153334	156	156	0	20.38		21.0	0.0
100	PC3	2310	0	20.20	20.20			21.0	0.0
100	PC3	2310	0	20.20	20.20				
100	QPSK	1	1	20.16	20.16			21.0	0.0
100	QPSK	1	1	20.16	20.16				
100	QPSK	156	0	20.38	20.38				
100	QPSK	156	0	20.38	20.38			21.0	0.0
100	QPSK	156	156	0	20.38			21.0	0.0
100	QPSK	2310	0	20.20	20.20				
100	QPSK	2310	0	20.20	20.20			21.0	0.0
100	QPSK	2	1	20.16	20.16			21.0	0.0
100	QPSK	2	1	20.16	20.16				
100	QPSK	2	1	20.16	20.16			21.0	0.0
100	QPSK	2	1	20.16	20.16				
				153334	153334				
				153334	153334				
50	QPSK	1	1	20.24	20.24			20.20	21.0
50	QPSK	1	1	20.24	20.24				
50	QPSK	156	0	20.38	20.38			21.0	0.0
50	QPSK	156	0	20.38	20.38				
50	QPSK	156	156	0	20.38			21.0	0.0
50	QPSK	2310	0	20.20	20.20			21.0	0.0
50	QPSK	2310	0	20.20	20.20				
50	QPSK	2	1	20.24	20.24			20.20	21.0
50	QPSK	2	1	20.24	20.24				
				153334	153334				
				153334	153334				
50	QPSK	1	1	20.24	20.24			20.20	21.0
50	QPSK	1	1	20.24	20.24				
50	QPSK	156	0	20.38	20.38			21.0	0.0
50	QPSK	156	0	20.38	20.38				
50	QPSK	156	156	0	20.38			21.0	0.0
50	QPSK	2310	0	20.20	20.20			21.0	0.0
50	QPSK	2310	0	20.20	20.20				
50	QPSK	2	1	20.24	20.24			20.20	21.0
50	QPSK	2	1	20.24	20.24				
				153334	153334				
				153334	153334				
50	QPSK	1	1	20.24	20.24			20.20	21.0
50	QPSK	1	1	20.24	20.24				
50	QPSK	156	0	20.38	20.38			21.0	0.0
50	QPSK	156	0	20.38	20.38				
50	QPSK	156	156	0	20.38			21.0	0.0
50	QPSK	2310	0	20.20	20.20			21.0	0.0
50	QPSK	2310	0	20.20	20.20				
50	QPSK	2	1	20.24	20.24			20.20	21.0
50	QPSK	2	1	20.24	20.24				

Part27q n78 PC2 Ant7_UL MIMO							
RF MUX	Modulation	RF Size	RF Clout	Time Frac	Time Frac	High Ch. Clout	SPR (dB)
Channel							
150	PI4-BPSK	1	1	25.23	83434		SPR
150	PI4-BPSK	1	1	25.13			21.0
150	PI4-BPSK	156	156	25.15			21.0
150	PI4-BPSK	156	0	25.38			21.0
150	PI4-BPSK	156	156	25.19			21.0
150	PI4-BPSK	213	0	25.40			21.0
150	QPSK	1	1	25.23	83434		SPR
150	QPSK	1	1	25.13			21.0
150	QPSK	156	156	25.15			21.0
150	QPSK	156	0	25.38			21.0
150	QPSK	156	156	25.22			21.0
150	QPSK	213	0	25.24			21.0
150	QPSK	1	1	25.23	83434		SPR
150	QPSK	1	1	25.13			21.0
150	QPSK	156	156	25.15			21.0
150	QPSK	156	0	25.38			21.0
150	QPSK	156	156	25.22			21.0
150	QPSK	213	0	25.24			21.0
150	QPSK	1	1	25.23	83434		SPR
150	QPSK	1	1	25.13			21.0
150	QPSK	156	156	25.15			21.0
150	QPSK	156	0	25.38			21.0
150	QPSK	156	156	25.22			21.0
150	QPSK	213	0	25.24			21.0
150	QPSK	1	1	25.23	83434		SPR
150	QPSK	1	1	25.13			21.0
150	QPSK	156	156	25.15			21.0
150	QPSK	156	0	25.38			21.0
150	QPSK	156	156	25.22			21.0
150	QPSK	213	0	25.24			21.0
150	QPSK	1	1	25.23	83434		SPR
150	QPSK	1	1	25.13			21.0
150	QPSK	156	156	25.15			21.0
150	QPSK	156	0	25.38			21.0
150	QPSK	156	156	25.22			21.0
150	QPSK	213	0	25.24			21.0
150	QPSK	1	1	25.23	83434		SPR
150	QPSK	1	1	25.13			21.0
150	QPSK	156	156	25.15			21.0
150	QPSK	156	0	25.38			21.0
150	QPSK	156	156	25.22			21.0
150	QPSK	213	0	25.24			21.0
150	QPSK	1	1	25.23	83434		SPR
150	QPSK	1	1	25.13			21.0
150	QPSK	156	156	25.15			21.0
150	QPSK	156	0	25.38			21.0
150	QPSK	156	156	25.22			21.0
150	QPSK	213	0	25.24			21.0
150	QPSK	1	1	25.23	83434		SPR
150	QPSK	1	1	25.13			21.0
150	QPSK	156	156	25.15			21.0
150	QPSK	156	0	25.38			21.0
150	QPSK	156	156	25.22			21.0
150	QPSK	213	0	25.24			21.0
150							



n41 PC3 Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502202	518598	526000	24.0	0.0	
Frequency (MHz)				2546.01	2692.99	2640			
100	PI/2 BPSK	1	1	23.41	23.51	23.36	24.0	0.0	
100	PI/2 BPSK	1	137	23.05	23.17	23.14			
100	PI/2 BPSK	1	271	23.37	23.46	23.42			
100	PI/2 BPSK	135	0	22.65	22.75	22.68			
100	PI/2 BPSK	135	69	23.23	23.35	23.30	23.5	0.5	
100	PI/2 BPSK	135	138	22.81	22.92	22.85			
100	PI/2 BPSK	270	0	22.90	22.95	22.91			
100	QPSK	1	1	23.38	23.53	23.40			
100	QPSK	1	137	23.17	23.23	23.13	24.0	0.0	
100	QPSK	1	271	23.40	23.48	23.36			
100	QPSK	135	0	22.41	22.47	22.40			
100	QPSK	135	69	23.42	23.45	23.44			
100	QPSK	135	138	22.41	22.48	22.37	23.0	1.0	
100	QPSK	270	0	22.47	22.51	22.46			
100	16QAM	1	1	22.35	22.49	22.37			
100	64QAM	1	1	20.98	21.05	21.02			
100	256QAM	1	1	19.06	19.17	19.10	19.5	4.5	
Channel				502200	518598	526000	24.0	0.0	
Frequency (MHz)				2541	2692.99	2644.98			
90	QPSK	1	1	23.29	23.48	23.29	24.0	0.0	
Channel				507204	518598	529998	24.0	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.28	23.42	23.34	24.0	0.0	
Channel				502200	518598	531998	24.0	0.0	
Frequency (MHz)				2526	2692.99	2659.98			
60	QPSK	1	1	23.30	23.48	23.35	24.0	0.0	
Channel				504204	518598	532998	24.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.30	23.44	23.36	24.0	0.0	
Channel				502200	518598	534000	24.0	0.0	
Frequency (MHz)				2516.01	2692.99	2670			
40	QPSK	1	1	23.28	23.45	23.29	24.0	0.0	
Channel				502200	518598	534998	24.0	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.31	23.46	23.30	24.0	0.0	
Channel				507204	518598	535998	24.0	0.0	
Frequency (MHz)				2506.02	2692.99	2679.99			
20	QPSK	1	1	23.33	23.43	23.31	24.0	0.0	

n41 PC2 Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502202	518598	526000	24.0	0.0	
Frequency (MHz)				2546.01	2692.99	2640			
100	PI/2 BPSK	1	1	23.42	23.49	23.30	24.0	0.0	
100	PI/2 BPSK	1	137	23.43	23.52	23.50			
100	PI/2 BPSK	1	271	23.43	23.46	23.45			
100	PI/2 BPSK	135	0	23.21	23.34	23.16			
100	PI/2 BPSK	135	69	23.15	23.36	23.39	24.0	0.0	
100	PI/2 BPSK	135	138	23.35	23.53	23.30			
100	PI/2 BPSK	270	0	23.26	23.46	23.21			
100	QPSK	1	1	23.54	23.60	23.46			
100	QPSK	1	137	23.38	23.57	23.39	24.0	0.0	
100	QPSK	1	271	23.42	23.59	23.35			
100	QPSK	135	0	23.36	23.56	23.37			
100	QPSK	135	69	23.52	23.58	23.35			
100	QPSK	135	138	23.36	23.49	23.24	24.0	0.0	
100	QPSK	270	0	23.43	23.47	23.32			
100	16QAM	1	1	23.30	23.54	23.30			
100	64QAM	1	1	23.11	23.38	23.22			
100	256QAM	1	1	21.76	21.98	21.87	22.5	1.5	
Channel				502200	518598	539998	24.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.50	23.45	23.42	24.0	0.0	
Channel				507204	518598	529998	24.0	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.37	23.54	23.29	24.0	0.0	
Channel				502200	518598	531998	24.0	0.0	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.28	23.34	23.21	24.0	0.0	
Channel				504204	518598	532998	24.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.30	23.51	23.32	24.0	0.0	
Channel				502200	518598	534000	24.0	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.40	23.55	23.25	24.0	0.0	
Channel				502200	518598	534998	24.0	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.51	23.59	23.29	24.0	0.0	
Channel				507204	518598	535998	24.0	0.0	
Frequency (MHz)				2506.02	2692.99	2679.99			
20	QPSK	1	1	23.30	23.37	23.30	24.0	0.0	



S.3200		Ant 3		Ant 4		Ant 5		Ant 6		Ant 7		Ant 8		Ant 9		Ant 10		Ant 11		Ant 12		Ant 13		Ant 14		Ant 15		Ant 16		Ant 17		Ant 18		Ant 19		Ant 20		Ant 21		Ant 22		Ant 23		Ant 24		Ant 25		Ant 26		Ant 27		Ant 28		Ant 29		Ant 30		Ant 31		Ant 32		Ant 33		Ant 34		Ant 35		Ant 36		Ant 37		Ant 38		Ant 39		Ant 40		Ant 41		Ant 42		Ant 43		Ant 44		Ant 45		Ant 46		Ant 47		Ant 48		Ant 49		Ant 50		Ant 51		Ant 52		Ant 53		Ant 54		Ant 55		Ant 56		Ant 57		Ant 58		Ant 59		Ant 60		Ant 61		Ant 62		Ant 63		Ant 64		Ant 65		Ant 66		Ant 67		Ant 68		Ant 69		Ant 70		Ant 71		Ant 72		Ant 73		Ant 74		Ant 75		Ant 76		Ant 77		Ant 78		Ant 79		Ant 80		Ant 81		Ant 82		Ant 83		Ant 84		Ant 85		Ant 86		Ant 87		Ant 88		Ant 89		Ant 90		Ant 91		Ant 92		Ant 93		Ant 94		Ant 95		Ant 96		Ant 97		Ant 98		Ant 99		Ant 100		Ant 101		Ant 102		Ant 103		Ant 104		Ant 105		Ant 106		Ant 107		Ant 108		Ant 109		Ant 110		Ant 111		Ant 112		Ant 113		Ant 114		Ant 115		Ant 116		Ant 117		Ant 118		Ant 119		Ant 120		Ant 121		Ant 122		Ant 123		Ant 124		Ant 125		Ant 126		Ant 127		Ant 128		Ant 129		Ant 130		Ant 131		Ant 132		Ant 133		Ant 134		Ant 135		Ant 136		Ant 137		Ant 138		Ant 139		Ant 140		Ant 141		Ant 142		Ant 143		Ant 144		Ant 145		Ant 146		Ant 147		Ant 148		Ant 149		Ant 150		Ant 151		Ant 152		Ant 153		Ant 154		Ant 155		Ant 156		Ant 157		Ant 158		Ant 159		Ant 160		Ant 161		Ant 162		Ant 163		Ant 164		Ant 165		Ant 166		Ant 167		Ant 168		Ant 169		Ant 170		Ant 171		Ant 172		Ant 173		Ant 174		Ant 175		Ant 176		Ant 177		Ant 178		Ant 179		Ant 180		Ant 181		Ant 182		Ant 183		Ant 184		Ant 185		Ant 186		Ant 187		Ant 188		Ant 189		Ant 190		Ant 191		Ant 192		Ant 193		Ant 194		Ant 195		Ant 196		Ant 197		Ant 198		Ant 199		Ant 200		Ant 201		Ant 202		Ant 203		Ant 204		Ant 205		Ant 206		Ant 207		Ant 208		Ant 209		Ant 210		Ant 211		Ant 212		Ant 213		Ant 214		Ant 215		Ant 216		Ant 217		Ant 218		Ant 219		Ant 220		Ant 221		Ant 222		Ant 223		Ant 224		Ant 225		Ant 226		Ant 227		Ant 228		Ant 229		Ant 230		Ant 231		Ant 232		Ant 233		Ant 234		Ant 235		Ant 236		Ant 237		Ant 238		Ant 239		Ant 240		Ant 241		Ant 242		Ant 243		Ant 244		Ant 245		Ant 246		Ant 247		Ant 248		Ant 249		Ant 250		Ant 251		Ant 252		Ant 253		Ant 254		Ant 255		Ant 256		Ant 257		Ant 258		Ant 259		Ant 260		Ant 261		Ant 262		Ant 263		Ant 264		Ant 265		Ant 266		Ant 267		Ant 268		Ant 269		Ant 270		Ant 271		Ant 272		Ant 273		Ant 274		Ant 275		Ant 276		Ant 277		Ant 278		Ant 279		Ant 280		Ant 281		Ant 282		Ant 283		Ant 284		Ant 285		Ant 286		Ant 287		Ant 288		Ant 289		Ant 290		Ant 291		Ant 292		Ant 293		Ant 294		Ant 295		Ant 296		Ant 297		Ant 298		Ant 299		Ant 300		Ant 301		Ant 302		Ant 303		Ant 304		Ant 305		Ant 306		Ant 307		Ant 308		Ant 309		Ant 310		Ant 311		Ant 312		Ant 313		Ant 314		Ant 315		Ant 316		Ant 317		Ant 318		Ant 319		Ant 320		Ant 321		Ant 322		Ant 323			
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1.50W WLAN			Ant 9 For Full Power For Body-worn Simultaneous For Extremity Simultaneous		Ant 10 For Full Power For Body-worn Simultaneous For Extremity Simultaneous		Ant 9+10 For Full Power For Body-worn Simultaneous For Extremity Simultaneous		Ant 9 For Head Standalone		Ant 10 For Head Standalone		Ant 9+10 For Head Standalone		Ant 5 For Head Simultaneous		Ant 10 For Head Simultaneous		Ant 9+10 For Head Simultaneous		Ant 9 For Body-worn Simultaneous		Ant 10 For Body-worn Simultaneous		Ant 9+10 For Body-worn Simultaneous		Ant 9 For Extremity Simultaneous		Ant 10 For Extremity Simultaneous		Ant 9+10 For Extremity Simultaneous		Duty Cycle %
Mode	Channel	Frequency (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	
802.11a MCS9	100	5000	18.95	20.00	18.50	20.00	21.79	23.00	18.11	19.00	18.27	19.00	21.20	22.00	15.00	19.00	18.00	17.16	18.50	16.98	18.50	20.08	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	99.27	
	116	5580	18.76	20.00	18.62	20.00	21.70	23.00	18.10	19.00	17.95	19.00	21.00	22.00	15.00	19.00	19.00	17.10	18.50	16.93	18.50	20.03	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
	124	5620	19.07	20.00	19.04	20.00	22.07	23.00	18.15	19.00	18.31	19.00	21.24	22.00	15.00	19.00	19.00	17.04	18.50	16.82	18.50	19.94	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00			
	132	5660	18.98	20.00	18.91	20.00	21.97	23.00	17.89	19.00	17.88	19.00	20.84	22.00	15.00	19.00	19.00	16.89	18.50	16.81	18.50	19.76	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00			
	140	5700	18.92	20.00	18.76	20.00	21.85	23.00	17.79	19.00	17.41	19.00	20.61	22.00	15.00	19.00	19.00	16.83	18.50	16.58	18.50	19.72	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00			
	144	5720	18.95	20.00	18.68	20.00	21.83	23.00	17.50	19.00	17.36	19.00	20.46	22.00	15.00	19.00	19.00	16.82	18.50	16.57	18.50	19.71	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00			
	156	5800	18.16	20.00	17.94	19.00	21.07	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
	160	5880	18.12	20.00	17.89	19.00	21.04	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
	164	5920	17.96	19.00	17.89	19.00	20.92	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
	172	5960	17.93	19.00	17.83	19.00	20.79	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
802.11a+H20 MCS9	140	5700	17.76	19.00	17.60	19.00	20.75	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	100		
	144	5720	17.84	19.00	17.59	19.00	20.73	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
	156	5800	17.26	19.00	16.79	18.00	20.01	21.00	19.00	19.00	19.00	19.00	21.00	21.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
	160	5820	17.93	19.00	17.83	19.00	20.79	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
	164	5720	17.84	19.00	17.59	19.00	20.73	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
	172	5960	17.93	19.00	17.83	19.00	20.79	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
	180	6000	18.24	20.00	17.99	19.00	21.11	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
	184	6020	17.96	19.00	17.89	19.00	21.14	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
	192	6060	16.37	20.00	16.30	19.00	21.14	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
	200	6100	16.37	20.00	16.30	19.00	21.14	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
802.11a+H20 MCS9	124	5620	17.93	19.00	17.83	19.00	20.95	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	100		
	132	5660	17.98	19.00	17.86	19.00	20.98	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
	140	5700	18.01	19.00	17.82	19.00	20.74	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
	144	5720	17.96	19.00	17.80	19.00	20.74	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
	160	5820	17.93	19.00	17.83	19.00	20.95	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
	164	5720	17.96	19.00	17.80	19.00	20.74	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
	172	5960	17.93	19.00	17.83	19.00	20.95	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
	180	6100	16.37	20.00	16.30	19.00	21.14	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
	184	6020	17.96	19.00	17.80	19.00	20.74	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
	192	6060	16.37	20.00	16.30	19.00	21.14	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
802.11a+H20 MCS9	100	5000	18.39	20.00	18.02	19.00	21.22	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	97.59		
	116	5580	18.32	20.00	17.96	19.00	21.15	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		20.00	
	124	5620	18.08	19.00	17.85	19.00	21.02	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
	132	5660	18.02	19.00	17.89	19.00	21.02	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
	140	5700	17.94	19.00	17.54	19.00	20.75	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00			
	144	5720	17.96	19.00	17.80	19.00	20.74	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00	21.00	21.00	17.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
156	5800	18.16	20.00	17.94	19.00	21.07	22.00	19.00	19.00	19.00	19.00	22.00	22.00	15.00	19.00	19.00	18.00	18.00	18.00														

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.36	10.30	9.89
	CH 39	2441	12.45	10.90	10.40
	CH 76	2480	12.40	9.53	9.80
Tune-up Limit			13.00	11.00	11.00

BLE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	5.65
	CH 19	2440	5.93
	CH 39	2480	5.62
Tune-up Limit			7.00

BLE 2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
			2Mbps
LE	CH 00	2402	5.57
	CH 19	2440	5.66
	CH 39	2480	5.63
Tune-up Limit			7.00



ANT9 <switch OFF State>

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	5.47
	CH 19	2440	5.74
	CH 39	2480	5.65
Tune-up Limit			6.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	5.50
	CH 19	2440	5.75
	CH 39	2480	5.59
Tune-up Limit			6.00