

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 Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up Rate (dB)	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	0	21.37	21.46	21.34	23	1								
20	QPSK	50	50	21.37	21.41	21.34										
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	24	20.54	20.51	20.57										
20	16QAM	50	50	20.52	20.58	20.55										
20	16QAM	100	0	20.39	20.51	20.41	22	2								
20	64QAM	1	0	20.57	20.76	20.74										
20	64QAM	1	49	20.69	20.63	20.66										
20	64QAM	50	0	20.65	20.61	20.68										
20	64QAM	50	24	19.49	19.51	19.52	21	3								
20	64QAM	50	50	19.54	19.48	19.53										
20	64QAM	100	0	19.46	19.50	19.40										
20	256QAM	1	49	17.59	17.66	17.58										
20	256QAM	1	99	17.58	17.55	17.53	19	5								
20	256QAM	50	24	17.52	17.48	17.48										
20	256QAM	50	50	17.55	17.47	17.50										
20	256QAM	100	0	17.52	17.45	17.48										
20	256QAM	50	50	17.62	17.65	17.64	19	5								
Channel																
Frequency (MHz)																
15	QPSK	1	0	18.07	18.00	18.05	24	0								
15	QPSK	1	37	22.45	22.50	22.39										
15	QPSK	1	74	22.29	22.38	22.22										
15	QPSK	36	0	21.41	21.47	21.38										
15	QPSK	20	0	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	21.31										
15	16QAM	1	0	21.58	21.73	21.69										
15	16QAM	1	37	21.63	21.63	21.54	23	1								
15	16QAM	1	74	21.69	21.66	21.66										
15	16QAM	36	0	20.46	20.58	20.52										
15	16QAM	36	20	20.47	20.38	20.42										
15	16QAM	36	39	20.39	20.47	20.42	22	2								
15	16QAM	75	0	20.29	20.37	20.29										
15	64QAM	1	0	20.48	20.63	20.58										
15	64QAM	1	37	20.50	20.57	20.57										
15	64QAM	1	74	20.52	20.50	20.57	22	2								
15	64QAM	36	0	19.39	19.46	19.39										
15	64QAM	36	20	19.46	19.38	19.42										
15	64QAM	36	39	19.43	19.45	19.45										
15	64QAM	75	0	19.38	19.38	19.34	21	3								
15	256QAM	1	0	17.55	17.40	17.36										
15	256QAM	1	37	17.50	17.44	17.48										
15	256QAM	1	74	17.44	17.51	17.48										
15	256QAM	36	0	17.42	17.46	17.43	19	5								
15	256QAM	36	20	17.37	17.44	17.48										
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	22.44	22.53	22.43	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										
10	16QAM	1	25	21.62	21.56	21.59	23	1								
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										
10	16QAM	25	25	20.18	20.33	20.45	22	2								
10	16QAM	50	0	20.35	20.40	20.28										
10	64QAM	1	0	20.53	20.70	20.64										
10	64QAM	1	25	20.50	20.52	20.55										
10	64QAM	1	49	20.53	20.47	20.65	21	3								
10	64QAM	25	0	19.41	19.46	19.40										
10	64QAM	25	12	19.40	19.43	19.42										
10	64QAM	25	25	19.44	19.38	19.40										
10	64QAM	50	0	19.40	19.36	19.30	19	5								
10	256QAM	1	0	17.55	17.61	17.61										
10	256QAM	1	25	17.46	17.49	17.48										
10	256QAM	1	49	17.47	17.48	17.39										
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	17.37	17.44										
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.45	22.51	22.43	24	0								
5	QPSK	1	12	22.42	22.50	22.37										
5	QPSK	1	24	22.29	22.44	22.29										
5	QPSK	12	0	21.41	21.47	21.44										
5	QPSK	12	7	21.26	21.47	21.42	23	1								
5	QPSK	12	13	21.23	21.32	21.22										
5	QPSK	36	0	21.02	21.33	21.29										
5	16QAM	1	0	21.62	21.75	21.58										
5	16QAM	1	12	21.66	21.64	21.57	23	1								
5	16QAM	1	24	21.67	21.55	21.50										
5	16QAM	12	0	20.41	20.55	20.56										
5	16QAM	12	7	20.50	20.42	20.38										
5	16QAM	12	13	20.41	20.46	20.42	22	2								
5	16QAM	25	0	20.33	20.43	20.30										
5	16QAM	25	7	20.44	20.32	20.28										
5	16QAM	25	13	20.60	20.55	20.54										
5	64QAM	1	0	20.58	20.67	20.66	22	2								
5	64QAM	1	12	20.54	20.62	20										
5	64QAM	1	24	20.42	20.53	20.42										
5	64QAM	12	0	19.44	19.54	19.38										
5	64QAM	12	7	19.37	19.45	19.41	21	3								
5	64QAM	12	13	19.46	19.42	19.42										
5	64QAM	25	0	19.37	19.46	19.28										
5	64QAM	25	7	19.46	19.38	19.40										
5	64QAM	25	13	19.46	19.60	19.48	19	5								
5	256QAM	1	0	17.46	17.60	17.60										
5	256QAM	1	12	17.47	17.47	17.39										
5	256QAM	1	24	17.46	17.49	17.45										
5	256QAM	12	0	17.39	17.47	17.33	19	5								
5	256QAM	12	7	17.42	17.42	17.36										
5	256QAM	12	13	17.45	17.45	17.40										
5	256QAM	25	0	17.22	17.36	17.37										
5	256QAM	25	7	17.35	17.35	17.31										
Channel																
Frequency (MHz)																
3	QPSK	1	0	18.15	18.00	18.05	24	0								
3	QPSK	1	0	22.33	22.38	22.37										
3	QPSK	1	14	22.30	22.43	22.25										
3	QPSK	1	14	22.29	22.43	22.25										
3	QPSK	8	0	21.39	21.48	21.31	23	1								
3	QPSK	8	7	21.33	21.46	21.38										
3	QPSK	8	7	21.24	21.40	21.24										
3	QPSK	15	0	21.14	21.37	21.24										
3	16QAM	1	0	21.58	21.75	21.58	23	1								
3	16QAM	1	8	21.62	21.56	21.58										
3	16QAM	1	14	21.58	21.65	21.63										
3	16QAM	8	0	20.49	20.57	20.57										
3	16QAM	8	7	20.38	20.53	20.48	22	2								
3	16QAM	8	14	20.47	20.37	20.37										
3	16QAM	1	0	20.62	20.73	20.68										
3	64QAM	1	8	20.57	20.58	20.57										
3	64QAM	1	14	20.59	20.59	20.59	21	3								
3	64QAM	8	0	19.39	19.54	19.37										
3	64QAM	8	7	19.37	19.43	19.42										
3	64QAM	8	14	19.41	19.38	19.41										
3	64QAM	15	0	19.33	19.36	19.29	19	5								
3	64QAM	1	0	17.47	17.60	17.60										
3	256QAM	1	14	17.53	17.48	17.48										
3	256QAM	1	14	17.47	17.54	17.53										
3	256QAM	8	0	17.43	17.42	17.51	19	5								
3	256QAM	8	7	17.48	17.42	17.41										
3	256QAM	8	14	17.35	17.41	17.41										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	22.44	22.50	22.39	24	0								
1.4	QPSK	1	5	22.39	22.43	22.38										
1.4	QPSK	1	5	22.30	22.43	22.22										
1.4	QPSK	1	5	22.28	22.40	22.24										
1.4	QPSK	3	0	22.24	22.34	22.25	23	1								
1.4	QPSK	3	3	22.26	22.36	22.26										
1.4	16QAM	1	0	21.60	21.73	21.61										
1.4	16QAM	1	3	21.60	21.64	21.60										
1.4	16QAM	3	0	21.50	21.63	21.60	23	1								
1.4	16QAM	3	3	21.49	21.48	21.53										
1.4	16QAM	3	1	21.45	21.38	21.38										
1.4	16QAM	6	0	21.52	21.52	21.51										
1.4	16QAM	6	0	20.28	20.43	20.37	22	2								
1.4	16QAM	6	3	20.46	20.69	20.51										
1.4	16QAM	6	6	20.55	20.61	20.61										
1.4	16QAM	6	9	20.51	20.49	20.52										
1.4	16QAM	3	0	20.44	20.43	20.47	22	2								
1.4	16QAM	3	3	20.47	20.48	20.47										
1.4	16QAM	3	6	20.40	20.40	20.40										
1.4	16QAM	3	9	19.37	19.38	19.34										
1.4	256QAM	1	0	17.47	17.48	17.48	19	5								
1.4	256QAM	1	3	17.44	17.44	17.46										



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)									
20	QPSK	1	0	22.62	22.74	22.85			
20	QPSK	1	48	22.58	22.71	22.86			24
20	QPSK	1	96	22.54	22.68	22.80			
20	QPSK	50	0	21.78	21.87	21.89			
20	QPSK	50	24	21.76	21.82	21.73			23
20	QPSK	50	50	21.68	21.79	21.73			
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	24	19.57	19.64	19.60			21
20	64QAM	50	50	19.48	19.61	19.52			
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)									
18	QPSK	1	0	22.52	22.69	22.53			
18	QPSK	1	37	22.45	22.60	22.52			24
18	QPSK	1	74	22.50	22.58	22.51			
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	18	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			22
18	64QAM	1	37	20.29	20.41	20.34			
18	64QAM	1	74	20.21	20.41	20.31			
18	64QAM	36	0	19.50	19.63	19.57			
18	64QAM	36	20	19.50	19.59	19.51			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	17.53	17.68	17.55			19
18	256QAM	1	37	17.52	17.60	17.51			
18	256QAM	1	74	17.54	17.61	17.58			
18	256QAM	36	0	17.68	17.78	17.74			19
18	256QAM	36	20	17.68	17.74	17.74			
18	256QAM	36	36	17.50	17.70	17.51			
18	256QAM	72	0	17.60	17.75	17.54			
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.64	22.64	22.64			
20	QPSK	1	25	22.54	22.69	22.61			24
20	QPSK	1	49	22.63	22.67	22.67			
20	QPSK	25	0	21.65	21.80	21.67			
20	QPSK	25	12	21.64	21.69	21.67			23
20	QPSK	25	25	21.56	21.71	21.64			
20	QPSK	50	0	21.57	21.71	21.66			
20	16QAM	1	0	21.72	21.79	21.72			
20	16QAM	1	25	21.72	21.82	21.74			23
20	16QAM	1	49	21.94	21.90	21.83			
20	16QAM	25	0	20.75	20.78	20.71			22
20	16QAM	25	12	20.85	20.87	20.82			
20	16QAM	25	25	20.80	20.71	20.66			
20	16QAM	50	0	20.83	20.88	20.85			
20	64QAM	1	0	20.71	20.84	20.76			22
20	64QAM	1	25	20.69	20.80	20.63			
20	64QAM	1	49	20.76	20.77	20.64			
20	64QAM	25	0	19.70	19.81	19.64			21
20	64QAM	25	12	19.84	19.71	19.51			
20	64QAM	25	25	19.57	19.64	19.51			
20	64QAM	50	0	19.88	19.78	19.72			
20	256QAM	1	25	17.53	17.69	17.58			19
20	256QAM	1	49	17.58	17.70	17.64			
20	256QAM	25	0	17.51	17.62	17.48			
20	256QAM	25	12	17.52	17.67	17.56			19
20	256QAM	25	25	17.57	17.62	17.51			
20	256QAM	50	0	17.66	17.72	17.63			
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.57	22.69	22.65			
20	QPSK	1	12	22.55	22.67	22.52			
20	QPSK	1	24	22.53	22.62	22.50			24
20	QPSK	12	0	21.61	21.66	21.65			
20	QPSK	12	7	21.60	21.60	21.60			23
20	QPSK	12	13	21.56	21.66	21.51			
20	QPSK	25	0	21.59	21.61	21.59			
20	16QAM	1	0	21.71	21.81	21.76			23
20	16QAM	1	12	21.50	21.61	21.67			
20	16QAM	1	24	21.65	21.58	21.66			
20	16QAM	12	0	20.65	20.65	20.60			22
20	16QAM	12	7	20.51	20.57	20.58			
20	16QAM	12	13	20.44	20.62	20.42			
20	16QAM	25	0	20.57	20.70	20.74			
20	64QAM	1	0	20.54	20.71	20.70			22
20	64QAM	1	12	20.53	20.68	20.62			
20	64QAM	1	12	20.70	20.72	20.58			
20	64QAM	12	0	19.96	19.88	19.96			21
20	64QAM	12	13	19.83	19.81	19.81			
20	64QAM	12	13	19.47	19.52	19.55			
20	64QAM	25	0	19.57	19.69	19.62			
20	256QAM	1	0	17.53	17.75	17.64			19
20	256QAM	1	12	17.52	17.62	17.54			
20	256QAM	1	24	17.45	17.61	17.51			
20	256QAM	12	0	17.45	17.64	17.55			19
20	256QAM	12	7	17.46	17.60	17.51			
20	256QAM	12	13	17.49	17.53	17.41			
20	256QAM	25	0	17.54	17.62	17.52			
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.64	22.68	22.64			
20	QPSK	1	8	22.43	22.52	22.40			24
20	QPSK	1	14	22.59	22.67	22.52			
20	QPSK	25	0	21.70	21.77	21.68			
20	QPSK	8	4	21.66	21.63	21.58			23
20	QPSK	8	7	21.62	21.67	21.55			
20	QPSK	8	14	21.62	21.62	21.55			
20	16QAM	1	0	21.71	21.84	21.79			23
20	16QAM	1	8	21.72	21.70	21.69			
20	16QAM	1	14	21.81	21.68	21.71			
20	16QAM	8	0	20.64	20.70	20.67			22
20	16QAM	8	4	20.61	20.57	20.59			
20	16QAM	8	7	20.56	20.68	20.58			
20	16QAM	15	0	20.58	20.63	20.62			
20	64QAM	1	0	20.64	20.72	20.70			22
20	64QAM	1	8	20.56	20.70	20.59			
20	64QAM	1	14	20.69	20.71	20.65			
20	64QAM	8	0	19.58	19.71	19.50			21
20	64QAM	8	4	19.51	19.68	19.54			
20	64QAM	8	7	19.46	19.50	19.51			
20	64QAM	15	0	19.58	19.68	19.60			
20	256QAM	1	0	17.53	17.73	17.59			19
20	256QAM	1	8	17.63	17.73	17.59			
20	256QAM	1	14	17.47	17.65	17.55			
20	256QAM	8	0	17.52	17.61	17.45			19
20	256QAM	8	4	17.44	17.61	17.41			
20	256QAM	8	7	17.43	17.48	17.36			
20	256QAM	15	0	17.50	17.61	17.57			

Band 17 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Power Mid Power High	Power Low Power Mid Power High	Power Low Power Mid Power High	Turn-up time (sec)	MPR (dB)				
Channel												
Frequency (MHz)												
16	QPSK	1	0	23.42	23.57	23.54	24	0				
16	QPSK	1	24	23.41	23.53	23.48						
16	QPSK	1	48	23.22	23.35	23.36						
16	QPSK	25	0	22.43	22.46	22.37						
16	QPSK	25	12	22.26	22.40	22.32	23	1				
16	QPSK	25	25	22.37	22.37	22.23						
16	QPSK	50	0	22.52	22.43	22.38						
16	QPSK	50	9	22.34	22.49	22.30						
16	16QAM	1	24	22.24	22.37	22.37	23	1				
16	16QAM	1	48	22.17	22.31	22.16						
16	16QAM	25	0	21.40	21.48	21.37						
16	16QAM	25	12	21.41	21.42	21.36						
16	16QAM	25	25	21.31	21.36	21.34	22	2				
16	16QAM	50	0	21.25	21.34	21.33						
16	16QAM	1	0	21.53	21.53	21.50						
16	16QAM	1	24	21.38	21.51	21.50						
16	16QAM	1	48	21.36	21.46	21.36	21	3				
16	16QAM	25	0	20.40	20.41	20.30						
16	16QAM	25	12	20.40	20.42	20.35						
16	16QAM	25	25	20.35	20.46	20.43						
16	16QAM	50	0	20.38	20.47	20.36	19	5				
16	16QAM	1	48	18.36	18.44	18.37						
16	256QAM	1	25	18.43	18.56	18.42						
16	256QAM	1	48	18.34	18.39	18.32						
16	256QAM	25	12	18.32	18.47	18.36	19	5				
16	256QAM	25	12	18.41	18.43	18.33						
16	256QAM	25	25	18.40	18.42	18.41						
16	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	19	22.23	22.31	22.14						
5	QPSK	25	0	22.17	22.29	22.21						
5	QPSK	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	21.39	21.21						
5	16QAM	12	19	21.22	21.31	21.20	22	2				
5	16QAM	25	0	21.12	21.31	21.30						
5	16QAM	1	0	21.51	21.59	21.43						
5	16QAM	1	12	21.37	21.59	21.48						
5	16QAM	1	24	21.29	21.42	21.37	21	3				
5	16QAM	12	0	20.32	20.33	20.37						
5	16QAM	12	7	20.35	20.36	20.34						
5	16QAM	12	19	20.34	20.35	20.30						
5	16QAM	25	0	20.34	20.37	20.32	19	5				
5	256QAM	1	48	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	18.36	18.36	19	5				
5	256QAM	12	7	18.26	18.30	18.32						
5	256QAM	12	19	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.	Turnup 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	21.85	21.71	21.64			
20	16QAM	1	48	21.63	21.74	21.64	23	1	
20	16QAM	50	0	20.52	20.54	20.48			
20	16QAM	50	24	20.45	20.50	20.51			
20	16QAM	50	50	20.42	20.48	20.45	22	2	
20	16QAM	100	0	20.42	20.46	20.45			
20	16QAM	1	0	20.64	20.66	20.56			
20	16QAM	1	48	20.50	20.61	20.60			
20	16QAM	1	96	20.50	20.54	20.47	22	2	
20	16QAM	50	0	19.50	19.59	19.52			
20	16QAM	50	24	19.51	19.58	19.41			
20	16QAM	50	50	19.44	19.53	19.55			
20	16QAM	100	0	19.46	19.50	19.40	21	3	
20	16QAM	1	48	17.55	17.57	17.53			
20	256QAM	1	59	17.48	17.62	17.57			
20	256QAM	1	99	17.49	17.59	17.54			
20	256QAM	50	24	17.56	17.52	17.42	19	5	
20	256QAM	50	50	17.40	17.49	17.48			
20	256QAM	100	0	17.43	17.53	17.57			
20	256QAM	1	0	16.15	16.16	16.15			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.55	22.59	22.42	24	0	
15	QPSK	1	12	22.34	22.39	22.34			
15	QPSK	1	24	22.32	22.33	22.24			
15	QPSK	50	0	21.43	21.60	21.44			
15	QPSK	24	0	21.34	21.43	21.33	23	1	
15	QPSK	36	36	21.32	21.46	21.40			
15	QPSK	75	0	21.50	21.47	21.36			
15	16QAM	1	0	21.59	21.72	21.85			
15	16QAM	1	37	21.62	21.62	21.42	23	1	
15	16QAM	1	74	21.62	21.59	21.42			
15	16QAM	36	0	20.40	20.50	20.41			
15	16QAM	36	20	20.34	20.53	20.38			
15	16QAM	36	36	20.37	20.31	20.47	22	2	
15	16QAM	75	0	20.57	20.52	20.51			
15	16QAM	1	0	20.37	20.47	20.47			
15	16QAM	1	0	20.57	20.52	20.51			
15	16QAM	1	24	20.52	20.50	20.37	21	3	
15	16QAM	36	0	19.44	19.61	19.53			
15	16QAM	36	20	19.36	19.44	19.38			
15	16QAM	36	36	19.32	19.35	19.45			
15	16QAM	75	0	19.33	19.54	19.33	19	5	
15	16QAM	1	0	17.56	17.54	17.52			
15	256QAM	1	37	17.50	17.52	17.44			
15	256QAM	1	74	17.41	17.59	17.52			
15	256QAM	36	0	17.47	17.54	17.55	19	5	
15	256QAM	36	20	17.50	17.43	17.52			
15	256QAM	36	39	17.52	17.35	17.41			
15	256QAM	75	0	17.43	17.43	17.37			
15	256QAM	1	0	16.15	16.16	16.15			
15	256QAM	1	0	16.15	16.16	16.15			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.59	22.59	22.59	24	0	
10	QPSK	1	24	22.31	22.37	22.28			
10	QPSK	1	48	22.40	22.39	22.28			
10	QPSK	25	0	21.53	21.59	21.47			
10	QPSK	25	12	21.35	21.48	21.32	23	1	
10	QPSK	25	25	21.38	21.52	21.44			
10	QPSK	1	0	21.85	21.71	21.64	23	1	
10	16QAM	1	0	21.59	21.72	21.85			
10	16QAM	1	37	21.62	21.62	21.42			
10	16QAM	1	74	21.62	21.59	21.42	23	1	
10	16QAM	36	0	20.40	20.50	20.41			
10	16QAM	36	20	20.34	20.53	20.38			
10	16QAM	36	36	20.37	20.31	20.47			
10	16QAM	75	0	20.57	20.52	20.51	22	2	
10	16QAM	1	0	20.37	20.47	20.47			
10	16QAM	1	0	20.57	20.52	20.51			
10	16QAM	1	24	20.52	20.50	20.37			
10	16QAM	36	0	19.44	19.61	19.53	21	3	
10	16QAM	36	20	19.36	19.44	19.38			
10	16QAM	36	36	19.32	19.35	19.45			
10	16QAM	75	0	19.33	19.54	19.33			
10	16QAM	1	0	17.56	17.54	17.52	19	5	
10	256QAM	1	37	17.50	17.52	17.44			
10	256QAM	1	74	17.41	17.59	17.52			
10	256QAM	36	0	17.47	17.54	17.55			
10	256QAM	36	20	17.50	17.43	17.52	19	5	
10	256QAM	36	39	17.52	17.35	17.41			
10	256QAM	75	0	17.43	17.43	17.37			
10	256QAM	1	0	16.15	16.16	16.15			
10	256QAM	1	0	16.15	16.16	16.15			
10	256QAM	1	0	16.15	16.16	16.15			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.53	22.58	22.42	24	0	
5	QPSK	1	12	22.34	22.41	22.32			
5	QPSK	1	24	22.32	22.33	22.25			
5	QPSK	12	0	21.45	21.60	21.47			
5	QPSK	12	6	21.39	21.48	21.37	23	1	
5	QPSK	12	12	21.41	21.52	21.41			
5	QPSK	25	0	21.35	21.40	21.30	23	1	
5	16QAM	1	0	21.51	21.72	21.80			
5	16QAM	1	37	21.62	21.62	21.42			
5	16QAM	1	74	21.62	21.59	21.42			
5	16QAM	12	0	20.43	20.44	20.45	22	2	
5	16QAM	12	6	20.43	20.44	20.42			
5	16QAM	12	13	20.34	20.37	20.39			
5	16QAM	12	19	20.39	20.30	20.35			
5	16QAM	25	0	20.39	20.30	20.35	22	2	
5	16QAM	25	12	20.37	20.37	20.35			
5	16QAM	25	19	20.31	20.49	20.39			
5	16QAM	25	25	20.58	20.56	20.37			
5	16QAM	1	0	20.57	20.57	20.57	22	2	
5	16QAM	1	0	20.57	20.57	20.57			
5	16QAM	1	12	20.59	20.59	20.59			
5	16QAM	25	25	19.39	19.45	19.38			
5	16QAM	25	25	19.30	19.54	19.44	21	3	
5	16QAM	25	37	19.30	19.30	19.30			
5	16QAM	25	43	19.30	19.30	19.30			
5	16QAM	25	49	19.30	19.30	19.30			
5	16QAM	1	0	17.56	17.55	17.58	19	5	
5	256QAM	1	25	17.44	17.55	17.43			
5	256QAM	1	50	17.50	17.50	17.50			
5	256QAM	25	0	17.50	17.50	17.50			
5	256QAM	25	12	17.52	17.46	17.38	19	5	
5	256QAM	25	19	17.52	17.46	17.38			
5	256QAM	25	25	17.43	17.43	17.37			
5	256QAM	25	0	17.41	17.51	17.50			
5	256QAM	25	0	16.15	16.15	16.15			
5	256QAM	25	0	16.15	16.15	16.15			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.53	22.58	22.42	24	0	
3	QPSK	1	12	22.34	22.41	22.32			
3	QPSK	1	24	22.32	22.33	22.25			
3	QPSK	8	0	21.51	21.61	21.52			
3	QPSK	8	4	21.42	21.49	21.33	23	1	
3	QPSK	8	8	21.33	21.45	21.34			
3	QPSK	16	0	21.41	21.46	21.33	23	1	
3	16QAM	1	0	21.57	21.70	21.56			
3	16QAM	1	8	21.61	21.58	21.51			
3	16QAM	1	16	21.59	21.67	21.52			
3	16QAM	8	0	20.37	20.51	20.47	22	2	
3	16QAM	8	4	20.37	20.50	20.43			
3	16QAM	8	7	20.35	20.39	20.45			
3	16QAM	8	15	20.35	20.39	20.45			
3	16QAM	16	0	20.55	20.60	20.59	22	2	
3	16QAM	16	8	20.43	20.49	20.55			
3	16QAM	16	15	20.39	20.50	20.52			
3	16QAM	16	23	20.39	20.50	20.52			
3	16QAM	8	0	19.35	19.60	19.52	21	3	
3	16QAM	8	4	19.38	19.50	19.28			
3	16QAM	8	7	19.35	19.35	19.35			
3	16QAM	8	15	19.35	19.35	19.35			
3	16QAM	16	0	19.32	19.50	19.34	19	5	
3	16QAM	16	8	19.40	19.46	19.37			
3	16QAM	16	15	19.38	19.38	19.38			
3	16QAM	16	23	19.38	19.38	19.38			
3	256QAM	1	0	17.56	17.56	17.67	19	5	
3	256QAM	1	8	17.48	17.58	17.58			
3	256QAM	16	0	17.48	17.53	17.45			
3	256QAM	16	8	17.53	17.45	17.45			
3	256QAM	12	0	17.45	17.42	17.47	19	5	
3	256QAM	12	8	17.49	17.49	17.49			
3	256QAM	12	15	17.35	17.41	17.49			
3	256QAM	25	0	17.43	17.47	17.38			
3	256QAM	25	0	17.40	17.48	17.37			
3	256QAM	25	0	16.15	16.15	16.15			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.50	22.54	22.28	24	0	
1.4	QPSK	1	4	22.38	22.42	22.28			
1.4	QPSK	1	8	22.41	22.41	22.27			
1.4	QPSK	8	0	21.51	21.61	21.52			
1.4	QPSK	8	4	21.42	21.49	21.33	23	1	
1.4	QPSK	8	8	21.33	21.45	21.34			
1.4	QPSK	16	0	21.41	21.46	21.33	23	1	
1.4	16QAM	1	0	21.57	21.70	21.56			
1.4	16QAM	1	8	21.61	21.58	21.51			
1.4	16QAM	1	16	21.59	21.67	21.52			
1.4	16QAM	8	0	20.37	20.51	20.47	22	2	
1.4	16QAM	8	4	20.37	20.50	20.43			
1.4	16QAM	8	7	20.35	20.39	20.45			
1.4	16QAM	8	15	20.35	20.39	20.45			
1.4	16QAM	16	0	20.55	20.60				

Band 30 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
2310									
10	QPSK	1	0	22.46					
10	QPSK	1	25	22.39	22.46	22.49			
10	QPSK	1	40	22.20					24
10	QPSK	25	0	21.52					
10	QPSK	25	12	21.41					
10	QPSK	25	25	21.34					23
10	QPSK	50	0	21.31					
10	HQAM	1	0	21.45					
10	HQAM	1	25	21.35					23
10	HQAM	1	40	21.32					
10	HQAM	1	40	20.26					
10	HQAM	25	12	20.21					22
10	HQAM	25	25	20.15					
10	HQAM	50	0	20.29					
10	HQAM	1	0	20.47					22
10	HQAM	1	25	20.45					
10	HQAM	1	40	20.45					
10	HQAM	25	0	19.32					
10	HQAM	25	12	18.29					21
10	HQAM	25	25	19.27					
10	HQAM	50	0	19.36					
10	25QAM	1	0	17.41					
10	25QAM	1	25	17.26					19
10	25QAM	1	40	17.27					
10	25QAM	25	0	17.20					
10	25QAM	25	12	17.18					19
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	22.30	22.41	22.45			
5	QPSK	1	24	22.32	22.26	22.30			24
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			23
5	QPSK	12	13	21.21	21.38	21.31			
5	QPSK	25	0	21.28	21.26	21.17			
5	HQAM	1	0	21.37	21.38	21.46			23
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			22
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			21
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			21
5	HQAM	25	0	19.51	19.46	19.25			
5	25QAM	1	0	17.27	17.26	17.28			
5	25QAM	1	12	17.20	17.20	17.10			19
5	25QAM	1	24	17.22	17.15	17.21			
5	25QAM	12	0	17.19	17.18	17.26			
5	25QAM	12	7	17.06	17.04	17.10			19
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. 130972	Power Mid Ch./Freq. 131022	Power High Ch./Freq. 132472	Turnup Init. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.44	22.67	22.69			
20	QPSK	1	40	22.40	22.43	22.45			24
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			23
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			23
20	HQAM	1	40	21.48	21.56	21.45			
20	HQAM	1	80	21.45	21.81	21.46			23
20	HQAM	50	0	20.35	20.40	20.44			
20	HQAM	50	24	20.30	20.42	20.26			22
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			22
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			21
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	17.42	17.38			19
20	25QAM	1	80	17.41	17.49	17.39			
20	25QAM	50	0	17.37	17.45	17.32			
20	25QAM	50	24	17.28	17.37	17.22			19
20	25QAM	50	50	17.30	17.44	17.28			
20	25QAM	100	0	17.46	17.48	17.47			
Channel									
13115, 13116, 13174, 13273									
15	QPSK	1	0	22.41	22.54	22.43			
15	QPSK	1	37	22.31	22.29	22.36			24
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			23
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			23
15	HQAM	1	74	21.39	21.55	21.36			
15	HQAM	36	0	20.25	20.27	20.37			
15	HQAM	36	20	20.24	20.37	20.16			22
15	HQAM	36	36	20.25	20.38	20.16			
15	HQAM	75	0	20.40	20.48	20.43			
15	HQAM	1	0	20.45	20.43	20.48			22
15	HQAM	1	37	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	19.36			21
15	HQAM	36	36	19.27	19.35	19.32			
15	HQAM	75	0	19.35	19.49	19.49			
15	25QAM	1	0	17.33	17.40	17.35			19
15	25QAM	1	37	17.25	17.41	17.30			
15	25QAM	1	74	17.30	17.40	17.26			19
15	25QAM	36	0	17.32	17.42	17.28			
15	25QAM	36	20	17.15	17.24	17.14			19
15	25QAM	36	36	17.16	17.40	17.22			
15	25QAM	75	0	17.31	17.46	17.40			
Channel									
131997, 132022, 132047, 132069									
Frequency (MHz)									
10	QPSK	1	0	22.32	22.39	22.34			
10	QPSK	1	25	22.38	22.30	22.40			24
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			23
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			23
10	HQAM	1	40	21.31	21.46	21.36			
10	HQAM	25	0	20.20	20.34	20.20			
10	HQAM	25	12	20.26	20.36	20.18			22
10	HQAM	25	25	20.16	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	25	20.27	20.28	20.38			22
10	HQAM	1	40	20.13	20.44	20.32			
10	HQAM	25	0	19.32	19.40	19.47			
10	HQAM	25	12	19.30	19.38	19.34			21
10	HQAM	25	25	19.24	19.29	19.34			
10	HQAM	50	0	19.43	19.46	19.59			
10	25QAM	1	0	17.32	17.45	17.35			
10	25QAM	1	25	17.20	17.33	17.31			19
10	25QAM	1	40	17.33	17.44	17.32			
10	25QAM	25	0	17.38	17.32	17.23			
10	25QAM	25	12	17.16	17.28	17.10			19
10	25QAM	25	25	17.25	17.36	17.13			
10	25QAM	50	0	17.37	17.49	17.40			
Channel									
131997, 132022, 132047, 132069									
Frequency (MHz)									
3	QPSK	1	0	22.32	22.64	22.43			
3	QPSK	1	8	22.37	22.67	22.44			24
3	QPSK	1	16	22.34	22.68	22.42			
3	QPSK	8	0	21.45	21.64	21.52			
3	QPSK	8	8	21.40	21.63	21.51			23
3	QPSK	8	16	21.33	21.26	21.25			
3	QPSK	16	0	21.25	21.49	21.38			
3	QPSK	16	8	21.42	21.60	21.48			23
3	QPSK	16	16	21.35	21.45	21.35			
3	HQAM	1	0	21.38	21.45	21.34			
3	HQAM	1	8	21.32	21.48	21.38			23
3	HQAM	1	16	21.24	21.49	21.39			
3	HQAM	8	0	20.23	20.38	20.14			22
3	HQAM	8	8	20.17	20.38	20.14			
3	HQAM	8	16	20.07	20.19	20.13			
3	HQAM	16	0	20.43	20.43	20.36			22
3	HQAM	16	8	20.47	20.44	20.40			
3	HQAM	16	16	20.28	20.32	20.38			22
3	HQAM	32	0	19.24	19.31	19.19			
3	HQAM	32	8	19.35	19.48	19.53			21
3	HQAM	32	16	19.27	19.42	19.38			
3	HQAM	32	24	19.28	19.31	19.49			21
3	HQAM	1	0	17.38	17.39	17.31			
3	HQAM	1	8	17.28	17.40	17.31			19
3	HQAM	1	16	17.31	17.44	17.31			
3	HQAM	8	0	17.30	17.38	17.28			
3	HQAM	8	8	17.23	17.33	17.29			19
3	HQAM	8	16	17.21	17.39	17.17			
3	HQAM	16	0	17.40	17.42	17.30			
Channel									
131997, 132022, 132047, 132069									
Frequency (MHz)									
14	QPSK	1	0	22.39	22.64	22.63			
14	QPSK	1	8	22.33	22.64	22.62			24
14	QPSK	1	16	22.25	22.63	22.26			
14	QPSK	8	0	21.46	21.60	21.46			
14	QPSK	8	8	21.40	21.64	21.42			23
14	QPSK	8	16	21.32	21.59	21.32			
14	QPSK	32	0	21.22	21.34	21.23			
14	QPSK	32	8	21.25	21.63	21.26			23
14	QPSK	32	16	21.13	21.53	21.12			
14	HQAM	1	0	21.53	21.65	21.52			
14	HQAM	1	8	21.43	21.60	21.34			23
14	HQAM	1	16	21.35	21.59	21.33			
14	HQAM	8	0	21.22	21.33	21.12			22
14	HQAM	8	8	20.39	20.40	20.32			
14	HQAM	8	16	20.47	20.48	20.38			22
14	HQAM	16	0	20.31	20.35	20.33			
14	HQAM	16	8	20.18	20.37	20.28			22
14	HQAM	32	0	20.32	20.40	20.44			
14	HQAM	32	8	20.35	20.42	20.33			21
14	HQAM	32	16	20.24	20.38	20.31			
14	HQAM	1	0	19.40	19.52	19.51			
14	HQAM	1	8	19.32	17.40	17.33			19
14	HQAM	1	16	17.25	17.41	17.31			
14	HQAM	8	0	17.30	17.37	17.34			
14	HQAM	8	8	17.25	17.34	17.15			19
14	HQAM	8	16	17.16	17.20	17.17			
14	HQAM	16	0	17.40	17.42	17.30			
14	HQAM	16	8	17.33	17.50	17.48			

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	38200	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	23	1	
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				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	25.73	25.78	25.72	27	0	
20	QPSK	1	49	25.68	25.71	25.62			
20	QPSK	1	99	25.54	25.66	25.57			
20	QPSK	50	0	24.69	24.80	24.72	26	1	
20	QPSK	50	24	24.81	24.70	24.59			
20	QPSK	50	50	24.48	24.63	24.54			
20	QPSK	100	0	24.55	24.71	24.62	26	1	
20	16QAM	1	0	24.82	24.86	24.87			
20	16QAM	1	49	24.62	24.78	24.76			
20	16QAM	1	99	24.63	24.76	24.73	25	2	
20	16QAM	50	0	23.83	23.81	23.87			
20	16QAM	50	24	23.72	23.84	23.76			
20	16QAM	50	50	23.63	23.78	23.59	24	3	
20	16QAM	100	0	23.82	23.80	23.70			
20	64QAM	1	0	23.62	23.67	23.69			
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	256QAM	100	0	22.67	22.74	22.68			
20	256QAM	1	0	20.69	20.90	20.70	22	5	
20	256QAM	1	49	20.78	20.86	20.70			
20	256QAM	1	99	20.66	20.80	20.61			
20	256QAM	50	0	20.82	20.90	20.87	22	5	
20	256QAM	50	24	20.64	20.72	20.68			
20	256QAM	50	50	20.70	20.78	20.64			
20	256QAM	100	0	20.57	20.77	20.68			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	25.69	25.66	25.59	27	0	
15	QPSK	1	37	25.62	25.57	25.73			
15	QPSK	1	74	25.43	25.60	25.49			
15	QPSK	36	0	24.56	24.68	24.49	26	1	
15	QPSK	36	20	24.52	24.65	24.53			
15	QPSK	36	39	24.40	24.56	24.45			
15	QPSK	75	0	24.41	24.57	24.56	26	1	
15	16QAM	1	0	24.60	24.63	24.53			
15	16QAM	1	37	24.70	24.68	24.55			
15	16QAM	1	74	24.48	24.71	24.69	25	2	
15	16QAM	36	0	23.74	23.78	23.66			
15	16QAM	36	20	23.59	23.76	23.66			
15	16QAM	36	39	23.56	23.71	23.53	24	3	
15	16QAM	75	0	23.70	23.77	23.58			
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	23.76	23.81	23.65			
15	64QAM	36	0	22.64	22.77	22.66			
15	64QAM	36	20	22.62	22.66	22.63	24	3	
15	64QAM	36	39	22.49	22.68	22.54			
15	64QAM	75	0	22.57	22.71	22.59			
15	256QAM	1	0	20.58	20.78	20.67	22	5	
15	256QAM	1	37	20.71	20.81	20.59			
15	256QAM	1	74	20.57	20.75	20.49			
15	256QAM	36	0	20.70	20.81	20.59	22	5	
15	256QAM	36	20	20.53	20.66	20.63			
15	256QAM	36	39	20.63	20.71	20.59			
15	256QAM	75	0	20.42	20.64	20.62			
Channel				37800	38000	38200			
Frequency (MHz)				2578.5	2595	2615			
10	QPSK	1	0	25.68	25.67	25.61	27	0	
10	QPSK	1	25	25.62	25.59	25.50			
10	QPSK	1	49	25.46	25.56	25.46			
10	QPSK	25	0	24.64	24.76	24.52	26	1	
10	QPSK	25	12	24.56	24.59	24.51			
10	QPSK	25	25	24.38	24.57	24.45			
10	QPSK	50	0	24.41	24.67	24.49	26	1	
10	16QAM	1	0	24.71	24.74	24.78			
10	16QAM	1	25	24.77	24.68	24.58			
10	16QAM	1	49	24.53	24.63	24.62	25	2	
10	16QAM	25	0	23.74	23.87	23.83			
10	16QAM	25	12	23.68	23.69	23.69			
10	16QAM	25	25	23.57	23.66	23.45	24	3	
10	16QAM	50	0	23.71	23.87	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	23.67			
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	20.94	20.57	22	5	
10	256QAM	1	25	20.71	20.81	20.57			
10	256QAM	1	49	20.53	20.66	20.55			
10	256QAM	25	0	20.73	20.79	20.82	22	5	
10	256QAM	25	12	20.49	20.69	20.61			
10	256QAM	25	25	20.59	20.71	20.70			
10	256QAM	50	0	20.46	20.63	20.60			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	25.60	25.69	25.57	27	0	
5	QPSK	1	12	25.56	25.65	25.47			
5	QPSK	1	24	25.51	25.61	25.44			
5	QPSK	12	0	24.54	24.68	24.49	26	1	
5	QPSK	12	7	24.56	24.59	24.49			
5	QPSK	12	13	24.41	24.56	24.46			
5	QPSK	25	0	24.45	24.59	24.50	26	1	
5	16QAM	1	0	24.70	24.81	24.80			
5	16QAM	1	12	24.75	24.84	24.52			
5	16QAM	1	24	24.54	24.68	24.61	25	2	
5	16QAM	12	0	23.73	23.74	23.69			
5	16QAM	12	7	23.62	23.80	23.69			
5	16QAM	12	13	23.55	23.69	23.48	24	3	
5	16QAM	25	0	23.75	23.71	23.55			
5	64QAM	1	0	23.68	23.70	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			
5	64QAM	12	7	22.55	22.58	22.48	24	3	
5	64QAM	12	13	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	22	5	
5	256QAM	1	12	20.65	20.78	20.59			
5	256QAM	1	24	20.52	20.72	20.52			
5	256QAM	12	0	20.72	20.81	20.80	22	5	
5	256QAM	12	12	20.59	20.61	20.59			
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 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	50	0	21.75	21.75	21.82	21.70	21.70	23	1
20	QPSK	50	24	21.67	21.69	21.78	21.74	21.64		
20	QPSK	50	50	21.65	21.67	21.74	21.69	21.64	23	1
20	QPSK	100	0	21.72	21.79	21.86	21.78	21.73		
20	16QAM	1	0	21.94	21.87	21.99	21.94	21.85	23	1
20	16QAM	1	49	21.77	21.88	21.92	21.79	21.82		
20	16QAM	50	0	21.78	21.73	21.85	21.74	21.88	22	2
20	16QAM	50	24	20.81	20.80	20.84	20.74	20.81		
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	22	2
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	21	3
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	17.73	17.71	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	17.96	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	5
20	256QAM	100	0	17.80	17.86	17.92	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	24	0
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	20.62	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	20.77		
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	21	3
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	17.57	17.58		
15	256QAM	1	37	17.60	17.56	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	5
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	24	0
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	23	1
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	20.67	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	19.66		
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	20	5
10	256QAM	1	49	17.50	17.49	17.70	17.55	17.59		
10	256QAM	25	0	17.86	17.86	17.86	17.68	17.75	19	5
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	20	5
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	2545.5	2593	2640.30	2687.5		
5	QPSK	1	0	22.50	22.50	22.91	22.59	22.53	24	0
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	21.57	21.64		
5	QPSK	12	7	21.57	21.54	21.74	21.69	21.62	23	1
5	QPSK	12	13	21.61	21.57	21.70	21.58	21.58		
5	QPSK	25	0	21.75	21.65	21.76	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	20.65	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	21	3
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	19	5
5	64QAM	12	13	19.76	19.73	19.81	19.69	19.67		
5	256QAM	1	0	17.62	17.60	17.72	17.65	17.62	19	5
5	256QAM	1	12	17.71	17.66	17.67	17.66	17.60		
5	256QAM	1	24	17.60	17.60	17.65	17.48	17.48	19	5
5	256QAM	12	0	17.80	17.80	17.88	17.62	17.63		
5	256QAM	12	7	17.61	17.62	17.70	17.79	17.73	19	5
5	256QAM	12	13	17.66	17.66	17.77	17.69	17.63		
5	256QAM	25	0	17.80	17.74	17.88	17.64	17.63		

GSM850 Axt1	Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189	251	128	189	251	
Frequency (MHz)		824.2	836.4	848.6	824.2	836.4	848.6	
GSM 1 Tx slot		31.52	31.63	31.55	32.50	22.52	22.63	22.55
GPRS 1 Tx slot		31.46	31.58	31.48	32.50	22.46	22.58	22.48
GPRS 2 Tx slots		29.31	29.45	29.42	30.50	23.31	23.45	23.42
GPRS 3 Tx slots		27.56	27.83	27.82	29.00	23.30	23.67	23.56
GPRS 4 Tx slots		26.18	26.39	26.21	27.50	23.18	23.39	23.21
EDGE 1 Tx slot		25.43	25.52	25.47	26.50	18.43	18.52	18.47
EDGE 2 Tx slots		23.37	23.48	23.42	24.50	17.37	17.48	17.42
EDGE 3 Tx slots		21.98	22.05	22.01	23.00	17.72	17.79	17.75
EDGE 4 Tx slots		20.63	20.65	20.54	21.50	17.63	17.65	17.54

GSM1900 Axt1	Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661	810	512	661	810	
Frequency (MHz)		1625.2	1650	1676.2	1625.2	1650	1676.2	
GSM 1 Tx slot		29.12	29.29	29.17	30.50	20.12	20.29	20.17
GPRS 1 Tx slot		29.06	29.21	29.13	30.50	20.06	20.21	20.13
GPRS 2 Tx slots		27.10	27.27	27.08	28.50	21.10	21.27	21.06
GPRS 3 Tx slots		25.41	25.62	25.60	27.00	21.15	21.36	21.34
GPRS 4 Tx slots		24.19	24.37	24.24	25.50	21.19	21.37	21.24
EDGE 1 Tx slot		24.87	24.98	24.88	26.00	15.87	15.98	15.88
EDGE 2 Tx slots		22.92	23.05	22.98	24.00	16.92	17.05	16.98
EDGE 3 Tx slots		21.77	21.86	21.75	23.00	17.51	17.60	17.49
EDGE 4 Tx slots		20.58	20.71	20.65	21.50	17.58	17.71	17.65

Band	WCDMA I Axt1				WCDMA IV Axt1				WCDMA V Axt1			
	TX Channel	9262	9800	9936	Tune-up Limit (dBm)	1312	1413	1513	Tune-up Limit (dBm)	4132	4182	4233
Rx Channel		9662	9800	9936		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 12.2Kbps	22.22	22.18	21.89	23.00	22.24	22.22	22.20	23.00	22.74	22.88	22.80
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	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
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
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
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
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
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
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
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
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

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 (dB)	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	21.84										
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	QPSK	1	49	20.88	20.74	20.88	21	2								
20	QPSK	1	99	20.81	20.83	20.77										
20	QPSK	1	0	19.87	19.73	19.71										
20	QPSK	50	24	19.85	19.82	19.89	20	3								
20	QPSK	50	50	19.87	19.88	19.86										
20	QPSK	50	0	19.89	19.72	19.89										
20	QPSK	1	0	19.79	19.90	19.79	21	2								
20	QPSK	1	49	19.87	19.77	19.82										
20	QPSK	1	99	19.84	19.81	19.79										
20	QPSK	50	0	18.85	18.81	18.77	20	3								
20	QPSK	50	24	18.88	18.78	18.82										
20	QPSK	50	50	18.88	18.74	18.75										
20	QPSK	100	0	18.67	18.72	18.66	18	5								
20	QPSK	100	0	18.61	18.67	18.61										
20	QPSK	100	0	18.70	18.77	18.73										
20	QPSK	1	99	16.80	16.75	16.81	18	5								
20	QPSK	1	49	16.83	16.81	16.80										
20	QPSK	1	0	16.82	16.70	16.82										
20	QPSK	50	50	16.58	16.70	16.57	18	5								
20	QPSK	50	50	16.58	16.70	16.57										
20	QPSK	100	0	16.59	16.72	16.58										
Channel																
Frequency (MHz)																
15	QPSK	1	0	18.07	18.00	18.03	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	20.37	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	QPSK	1	37	20.60	20.65	20.60	22	1								
15	QPSK	1	74	20.72	20.78	20.74										
15	QPSK	1	0	19.83	19.88	19.81										
15	QPSK	36	20	19.41	19.49	19.58	21	2								
15	QPSK	36	36	19.46	19.51	19.58										
15	QPSK	75	0	19.46	19.61	19.55										
15	QPSK	1	0	19.70	19.79	19.73	21	2								
15	QPSK	1	37	19.68	19.68	19.68										
15	QPSK	1	74	19.57	19.70	19.55										
15	QPSK	36	0	18.53	18.73	18.65	20	3								
15	QPSK	36	36	18.57	18.74	18.68										
15	QPSK	36	36	18.58	18.61	18.57										
15	QPSK	75	0	18.81	18.88	18.80	18	5								
15	QPSK	75	0	18.84	18.84	18.81										
15	QPSK	75	0	18.84	18.84	18.81										
15	QPSK	1	37	16.84	16.82	16.82	18	5								
15	QPSK	1	74	16.88	16.88	16.80										
15	QPSK	1	0	16.82	16.80	16.82										
15	QPSK	36	20	16.42	16.68	16.53	18	5								
15	QPSK	36	39	16.46	16.82	16.46										
15	QPSK	75	0	16.51	16.67	16.48										
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	100	0	20.77	20.83	20.68	22	1								
10	QPSK	100	0	20.77	20.83	20.68										
10	QPSK	100	0	20.77	20.83	20.68										
10	QPSK	1	25	20.53	20.69	20.55	21	2								
10	QPSK	1	49	20.70	20.79	20.69										
10	QPSK	1	0	19.53	19.67	19.68										
10	QPSK	25	12	19.44	19.57	19.54	20	3								
10	QPSK	25	25	19.54	19.58	19.54										
10	QPSK	50	0	19.58	19.60	19.58										
10	QPSK	1	0	19.67	19.82	19.71	21	2								
10	QPSK	1	25	19.53	19.64	19.64										
10	QPSK	1	49	19.55	19.66	19.67										
10	QPSK	25	0	18.58	18.73	18.66	20	3								
10	QPSK	25	12	18.55	18.72	18.68										
10	QPSK	25	25	18.58	18.62	18.63										
10	QPSK	50	0	18.59	18.62	18.60	18	5								
10	QPSK	50	0	18.59	18.68	18.59										
10	QPSK	50	0	18.59	18.68	18.59										
10	QPSK	1	25	16.84	16.72	16.81	18	5								
10	QPSK	1	49	16.84	16.81	16.84										
10	QPSK	1	0	16.84	16.81	16.81										
10	QPSK	25	12	16.46	16.65	16.49	18	5								
10	QPSK	25	25	16.49	16.67	16.46										
10	QPSK	50	0	16.54	16.60	16.55										
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	20.69	22	1								
5	QPSK	12	7	20.57	20.68	20.58										
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	QPSK	25	12	20.64	20.6	20.65	22	1								
5	QPSK	25	12	20.64	20.6	20.65										
5	QPSK	1	24	20.69	20.69	20.72	21	2								
5	QPSK	1	49	20.84	20.84	20.83										
5	QPSK	1	0	19.52	19.56	19.56										
5	QPSK	25	0	19.46	19.61	19.54	20	3								
5	QPSK	25	0	19.46	19.61	19.54										
5	QPSK	25	0	19.46	19.61	19.54										
5	QPSK	1	12	19.64	19.67	19.60	21	2								
5	QPSK	1	24	19.64	19.67	19.60										
5	QPSK	12	12	19.51	19.68	19.57										
5	QPSK	12	7	18.59	19.70	18.57	20	3								
5	QPSK	12	13	18.62	19.68	18.60										
5	QPSK	12	0	18.54	19.64	19.55										
5	QPSK	1	0	16.64	16.72	16.77	18	5								
5	QPSK	1	12	16.64	16.72	16.77										
5	QPSK	1	24	16.64	16.72	16.77										
5	QPSK	25	12	16.52	16.72	16.58	18	5								
5	QPSK	25	25	16.56	16.78	16.57										
5	QPSK	50	0	16.57	16.67	16.57										
Channel																
Frequency (MHz)																
3	QPSK	1	0	21.64	21.65	21.51	23	0								
3	QPSK	1	12	21.56	21.57	21.48										
3	QPSK	1	14	21.43	21.44	21.41										
3	QPSK	8	0	20.66	20.71	20.61	22	1								
3	QPSK	8	7	20.52	20.66	20.58										
3	QPSK	8	7	20.49	20.59	20.58										
3	QPSK	15	0	20.46	20.54	20.46	22	1								
3	QPSK	15	0	20.68	20.68	20.68										
3	QPSK	15	0	20.68	20.68	20.68										
3	QPSK	1	8	20.53	20.68	20.62	22	1								
3	QPSK	1	14	20.74	20.78	20.72										
3	QPSK	1	14	20.71	20.83	20.76										
3	QPSK	8	4	19.50	19.51	19.52	21	2								
3	QPSK	8	7	19.47	19.55	19.42										
3	QPSK	8	7	19.52	19.65	19.58										
3	QPSK	1	0	19.79	19.79	19.79	21	2								
3	QPSK	1	8	19.60	19.62	19.63										
3	QPSK	1	14	19.67	19.67	19.67										
3	QPSK	8	0	18.61	18.67	18.61	20	3								
3	QPSK	8	4	18.68	18.74	18.67										
3	QPSK	8	4	18.68	18.74	18.67										
3	QPSK	15	0	18.61	18.62	18.62	18	5								
3	QPSK	15	0	18.67	18.68	18.68										
3	QPSK	15	0	18.68	18.68	18.68										
3	QPSK	1	14	16.52	16.65	16.49	18	5								
3	QPSK	1	14	16.52	16.65	16.49										
3	QPSK	1	14	16.52	16.65	16.49										
3	QPSK	8	4	16.47	16.62	16.45	18	5								
3	QPSK	8	7	16.52	16.64	16.48										
3	QPSK	8	7	16.52	16.64	16.48										
3	QPSK	8	7	16.52	16.64	16.48										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	18.07	18.00	18.03	23	0								
1.4	QPSK	1	0	21.82	21.87	21.44										
1.4	QPSK	1	37	21.48	21.82	21.89										
1.4	QPSK	1	74	21.45	21.56	21.41	22	1								
1.4	QPSK	36	0	20.72	20.87	20.88										
1.4	QPSK	36	0	20.37	20.73	20.80										
1.4	QPSK	36	36	20.43	20.61	20.49	22	1								
1.4	QPSK	75	0	20.49	20.51	20.47										
1.4	QPSK	75	0	20.77	20.88	20.88										
1.4	QPSK	1	37	20.60	20.65	20.60	22	1								
1.4	QPSK	1	74	20.72	20.78	20.74										
1.4	QPSK	1	0	19.83	19.88	19										

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	22.66	22.69	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	21.55	23	1						
10	QPSK	25	25	21.65	21.67	21.58								
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	20.55								
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	19.45								
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	17.59								
10	HQAM	1	49	17.65	17.60	17.48								
10	HQAM	25	0	17.48	17.59	17.48	19	5						
10	HQAM	25	12	17.40	17.51	17.44								
10	HQAM	25	25	17.43	17.54	17.50								
10	HQAM	50	0	17.67	17.84	17.64								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.66	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	21.66	21.69	21.55								
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	20.67	20.61								
5	HQAM	1	12	20.64	20.65	20.62								
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	19.50	19.36								
5	HQAM	12	13	19.22	19.35	19.30								
5	HQAM	25	0	19.48	19.62	19.43								
5	HQAM	1	0	17.45	17.46	17.42	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	17.44	17.36								
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	17.46	17.51	17.46								
5	HQAM	25	0	17.46	17.51	17.46								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.67	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	21.48								
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	21.66								
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	20.36	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	20.60	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	17.46								
3	HQAM	8	7	17.33	17.49	17.46								
3	HQAM	16	0	17.53	17.52	17.46								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.51	22.52	22.55	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	22.50	23	1						
1.4	QPSK	3	3	22.50	22.58	22.47								
1.4	QPSK	3	5	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	17.56								
1.4	HQAM	1	3	17.39	17.47	17.41								
1.4	HQAM	1	5	17.43	17.46	17.46								
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	17.56	17.46								

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 Inst. (dBm)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.75	23.75	23.62	25	0		
10	QPSK	1	25	23.47	23.57	23.48	25	0		
10	QPSK	1	49	23.45	23.60	23.62	25	0		
10	QPSK	25	0	22.56	22.65	22.60	24	1		
10	QPSK	25	12	22.56	22.61	22.48	24	1		
10	QPSK	25	25	22.52	22.56	22.48	24	1		
10	QPSK	50	0	22.48	22.58	22.44	24	1		
10	HQAM	1	25	22.58	22.70	22.57	24	1		
10	HQAM	1	49	22.57	22.67	22.60	24	1		
10	HQAM	1	73	21.59	21.67	21.62	23	2		
10	HQAM	25	12	21.55	21.60	21.51	23	2		
10	HQAM	25	25	21.49	21.58	21.44	23	2		
10	HQAM	50	0	21.53	21.62	21.54	23	2		
10	HQAM	1	0	21.70	21.74	21.69	23	2		
10	HQAM	1	25	21.55	21.67	21.64	23	2		
10	HQAM	1	49	21.58	21.67	21.54	23	2		
10	HQAM	25	0	20.54	20.60	20.50	22	3		
10	HQAM	25	12	20.45	20.54	20.40	22	3		
10	HQAM	25	25	20.47	20.58	20.46	22	3		
10	HQAM	50	0	20.54	20.63	20.50	22	3		
10	SSQAM	1	0	18.57	18.62	18.58	20	5		
10	SSQAM	1	25	18.33	18.49	18.44	20	5		
10	SSQAM	25	0	18.65	18.69	18.55	20	5		
10	SSQAM	25	12	18.46	18.58	18.50	20	5		
10	SSQAM	25	25	18.43	18.57	18.40	20	5		
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	25	0		
5	QPSK	1	24	23.38	23.47	23.40	25	0		
5	QPSK	12	0	22.49	22.58	22.57	24	1		
5	QPSK	12	7	22.42	22.56	22.37	24	1		
5	QPSK	12	13	22.47	22.45	22.44	24	1		
5	QPSK	25	0	22.44	22.47	22.34	24	1		
5	HQAM	1	0	22.54	22.58	22.48	24	1		
5	HQAM	1	12	22.43	22.61	22.52	24	1		
5	HQAM	1	24	22.42	22.62	22.49	24	1		
5	HQAM	12	0	21.54	21.61	21.53	23	2		
5	HQAM	12	7	21.43	21.46	21.38	23	2		
5	HQAM	12	13	21.40	21.45	21.32	23	2		
5	HQAM	25	0	21.48	21.54	21.45	23	2		
5	HQAM	1	0	21.58	21.67	21.60	23	2		
5	HQAM	1	12	21.41	21.59	21.50	23	2		
5	HQAM	1	24	21.44	21.55	21.50	23	2		
5	HQAM	12	0	20.50	20.45	20.50	22	3		
5	HQAM	12	7	20.31	20.48	20.34	22	3		
5	HQAM	12	13	20.41	20.42	20.40	22	3		
5	HQAM	25	0	20.47	20.59	20.46	22	3		
5	SSQAM	1	0	18.50	18.52	18.51	20	5		
5	SSQAM	1	12	18.25	18.38	18.31	20	5		
5	SSQAM	1	24	18.27	18.40	18.30	20	5		
5	SSQAM	12	0	18.52	18.62	18.50	20	5		
5	SSQAM	12	7	18.33	18.52	18.39	20	5		
5	SSQAM	12	13	18.38	18.44	18.40	20	5		
5	SSQAM	25	0	18.38	18.48	18.43	20	5		

Band 25 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch./Freq. 16145	Power Med Ch./Freq. 16340	Power High Ch./Freq. 16535	Turnup Inst. (dBm)	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	21.61	23	0		
20	QPSK	1	99	21.68	21.70	21.68	23	0		
20	QPSK	50	0	20.70	20.68	20.70	22	1		
20	QPSK	24	0	20.72	20.74	20.68	22	1		
20	QPSK	50	50	20.70	20.70	20.63	22	1		
20	QPSK	100	0	20.75	20.76	20.66	22	1		
20	HQAM	1	0	20.79	20.98	20.91	22	1		
20	HQAM	1	49	20.84	20.85	20.86	22	1		
20	HQAM	1	99	20.70	20.83	20.82	22	1		
20	HQAM	1	99	19.78	19.94	19.79	21	2		
20	HQAM	50	24	19.73	19.79	19.73	21	2		
20	HQAM	50	50	19.74	19.85	19.74	21	2		
20	HQAM	100	0	19.74	19.87	19.69	21	2		
20	HQAM	1	0	19.80	19.87	19.82	21	2		
20	HQAM	1	49	19.86	19.90	19.77	21	2		
20	HQAM	1	99	19.75	19.86	19.82	21	2		
20	HQAM	50	0	18.75	18.87	18.72	20	3		
20	HQAM	50	24	18.81	18.74	18.86	20	3		
20	HQAM	50	50	18.83	18.78	18.84	20	3		
20	SSQAM	1	0	16.50	16.60	16.59	18	5		
20	SSQAM	1	49	16.84	16.89	16.85	18	5		
20	SSQAM	1	99	16.74	16.91	16.75	18	5		
20	SSQAM	25	0	16.73	16.85	16.81	18	5		
20	SSQAM	50	24	16.71	16.82	16.72	18	5		
20	SSQAM	50	50	16.61	16.84	16.63	18	5		
20	SSQAM	100	0	16.59	16.78	16.61	18	5		
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	23	0		
15	QPSK	1	74	21.48	21.62	21.55	23	0		
15	QPSK	50	0	20.58	20.63	20.60	22	1		
15	QPSK	24	0	20.63	20.67	20.60	22	1		
15	QPSK	36	36	20.61	20.64	20.54	22	1		
15	QPSK	75	0	20.60	20.64	20.59	22	1		
15	HQAM	1	0	20.65	20.87	20.80	22	1		
15	HQAM	1	37	20.78	20.78	20.73	22	1		
15	HQAM	1	74	20.62	20.76	20.65	22	1		
15	HQAM	36	0	19.62	19.79	19.73	21	2		
15	HQAM	36	20	19.60	19.67	19.64	21	2		
15	HQAM	36	0	19.63	19.71	19.65	21	2		
15	HQAM	75	0	19.70	19.83	19.57	21	2		
15	HQAM	1	0	19.66	19.80	19.77	21	2		
15	HQAM	1	37	19.63	19.77	19.67	21	2		
15	HQAM	1	74	19.54	19.72	19.73	21	2		
15	HQAM	36	0	18.62	18.75	18.65	20	3		
15	HQAM	36	20	18.48	18.63	18.59	20	3		
15	HQAM	36	36	18.58	18.73	18.52	20	3		
15	HQAM	75	0	18.60	18.68	18.61	20	3		
15	SSQAM	1	0	16.52	16.63	16.58	18	5		
15	SSQAM	1	37	16.78	16.85	16.80	18	5		
15	SSQAM	1	74	16.59	16.84	16.62	18	5		
15	SSQAM	25	0	16.73	16.76	16.68	18	5		
15	SSQAM	36	20	16.60	16.70	16.65	18	5		
15	SSQAM	36	36	16.54	16.80	16.58	18	5		
15	SSQAM	75	0	16.57	16.74	16.61	18	5		
Channel										
Frequency (MHz)										
20	QPSK	25	0	21.55	21.66	21.61	23	0		
20	QPSK	1	25	21.05	21.16	21.11	23	0		
20	QPSK	1	74	21.02	21.14	21.12	23	0		
20	QPSK	8	0	20.66	20.77	20.69	22	1		
20	QPSK	8	0	20.68	20.68	20.68	22	1		
20	QPSK	8	0	20.96	20.91	20.91	22	1		
20	QPSK	16	0	20.63	20.73	20.61	22	1		
20	QPSK	16	0	20.72	20.68	20.67	22	1		
20	QPSK	16	0	20.72	20.73	20.71	22	1		
20	HQAM	1	14	20.80	20.74	20.69	21	2		
20	HQAM	1	14	20.80	20.74	20.69	21	2		
20	HQAM	8	4	19.59	19.67	19.58	21	2		
20	HQAM	8	4	19.59	19.67	19.58	21	2		
20	HQAM	8	4	19.59	19.67	19.58	21	2		
20	HQAM	8	4	19.59	19.67	19.58	21	2		
20	HQAM	8	4	19.59	19.67	19.58	21	2		
20	HQAM	16	0	18.81	18.87	18.72	20	3		
20	SSQAM	1	0	16.51	16.60	16.57	18	5		
20	SSQAM	1	14	16.71	16.86	16.64	18	5		
20	SSQAM	1	14	16.71	16.86	16.64	18	5		
20	SSQAM	8	4	16.53	16.75	16.50	18	5		
20	SSQAM	8	4	16.57	16.71	16.57	18	5		
20	SSQAM	8	4	16.57	16.71	16.57	18	5		
Channel										
Frequency (MHz)										
14	QPSK	1	0	21.72	21.77	21.60	22	0		
14	QPSK	1	21	21.55	21.63	21.46	22	0		
14	QPSK	1	41	21.51	21.61	21.54	22	0		
14	QPSK	1	61	21.48	21.57	21.46	22	0		
14	QPSK	1	81	21.42	21.46	21.44	22	0		
14	QPSK	3	0	21.64	21.64	21.60	22	1		
14	HQAM	1	0	20.95	20.92	20.91	22	1		
14	HQAM	1	0	20.69	20.76	20.82	22	1		
14	HQAM	3	0	20.73	20.73	20.69	22	1		
14	HQAM	3	0	20.70	20.90	20.85	22	1		
14	HQAM	3	0	20.66	20.74	20.67	22	1		
14	HQAM	6	0	19.62	19.73	19.64	21	2		
14	HQAM	6	0	19.68	19.80	19.72	21	2		
14	HQAM	6	0	19.67	19.79	19.66	21	2		
14	HQAM	6	0	19.68	19.82	19.69	21	2		
14	HQAM	6	0	19.62	19.68	19.53	20	3		
14	HQAM	6	0	19.62	19.68	19.53	20	3		
14	SSQAM	1	0	16.88	16.83	16.86	18	5		
14	SSQAM	1	0	16.88	16.83	16.86	18	5		
14	SSQAM	3	0	16.87	16.73	16.60	18	5		
14	SSQAM	3	0	16.84	16.60	16.50	18	5		

Band 30 Ant1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup Incl. (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
2310														
10	QPSK	1	0	20.63			22	0						
10	QPSK	1	25	20.78										
10	QPSK	1	40	20.72										
10	QPSK	25	0	19.82										
10	QPSK	25	12	19.65			21	1						
10	QPSK	25	25	19.75										
10	QPSK	50	0	19.71										
10	HQAM	1	0	20.05										
10	HQAM	1	25	19.81			21	1						
10	HQAM	1	40	19.97										
10	HQAM	1	25	19.81										
10	HQAM	25	12	19.84										
10	HQAM	25	25	19.84			20	2						
10	HQAM	50	0	19.82										
10	HQAM	1	0	19.00										
10	HQAM	1	25	18.78										
10	HQAM	1	40	19.87			19	3						
10	HQAM	25	0	17.79										
10	HQAM	25	25	19.84										
10	HQAM	50	0	17.84										
10	25QAM	1	0	18.83			17	5						
10	25QAM	1	25	15.93										
10	25QAM	1	40	18.84										
10	25QAM	25	12	15.78										
10	25QAM	25	25	15.78			17	5						
10	25QAM	50	0	15.71										
10	25QAM	50	0	15.75										
10	25QAM	50	0	15.75										
Channel														
2768.5 2771.0 2773.5														
2307.5 2310 2313.5														
5	QPSK	1	0	20.74	20.70	20.80	22	0						
5	QPSK	1	24	20.68	20.64	20.68								
5	QPSK	1	24	20.63	20.87	20.66								
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								
5	QPSK	1	0	19.63	20.00	19.98								
5	HQAM	1	12	19.77	19.75	19.67	21	1						
5	HQAM	1	24	19.63	19.94	19.85								
5	HQAM	12	0	18.74	18.71	18.73								
5	HQAM	12	7	18.51	18.52	18.50								
5	HQAM	25	0	18.76	18.73	18.71	20	2						
5	HQAM	1	0	18.53	18.96	18.98								
5	HQAM	1	12	18.74	18.74	18.72								
5	HQAM	1	24	18.73	18.53	18.53								
5	HQAM	12	0	17.68	17.76	17.67	19	3						
5	HQAM	12	7	17.68	17.64	17.65								
5	HQAM	12	13	17.56	17.59	17.54								
5	HQAM	25	0	17.70	17.70	17.77								
5	25QAM	1	12	15.56	15.59	15.54	17	5						
5	25QAM	1	24	15.74	15.79	15.78								
5	25QAM	12	0	15.69	15.66	15.63								
5	25QAM	12	7	15.66	15.73	15.70								
5	25QAM	12	13	15.63	15.62	15.60	17	5						
5	25QAM	25	0	15.64	15.68	15.65								
5	25QAM	25	0	15.64	15.68	15.65								
5	25QAM	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 Incl. (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
1700 1745 1770														
20	QPSK	1	0	21.63	21.84	21.89	23	0						
20	QPSK	1	40	21.68	21.73	21.61								
20	QPSK	1	80	21.58	21.70	21.61								
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								
20	HQAM	1	49	20.77	20.74	20.69								
20	HQAM	1	99	20.81	20.85	20.59	22	1						
20	HQAM	50	0	19.79	19.93	19.79								
20	HQAM	50	24	19.71	19.87	19.77								
20	HQAM	50	50	19.71	19.86	19.70								
20	HQAM	100	0	19.77	19.86	19.89	21	2						
20	HQAM	1	0	19.84	19.97	19.82								
20	HQAM	1	49	19.86	19.87	19.76								
20	HQAM	50	0	18.70	18.82	18.79								
20	HQAM	50	24	18.76	18.86	18.75	20	3						
20	HQAM	50	50	18.71	18.77	18.58								
20	HQAM	100	0	18.72	18.86	18.66								
20	25QAM	1	0	16.66	16.65	16.61								
20	25QAM	1	40	16.74	16.83	16.75	18	5						
20	25QAM	1	80	16.73	16.79	16.70								
20	25QAM	50	0	16.67	16.69	16.67								
20	25QAM	50	24	16.61	16.75	16.77								
20	25QAM	50	50	16.68	16.83	16.77	18	5						
20	25QAM	100	0	16.61	16.80	16.68								
20	25QAM	100	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	87	21.61	21.65	21.97								
15	QPSK	1	74	21.43	21.67	21.56								
15	QPSK	36	0	20.88	20.88	20.59								
15	QPSK	36	36	20.44	20.69	20.31	22	1						
15	QPSK	36	36	20.54	20.52	20.58								
15	QPSK	75	0	20.82	20.86	20.49								
15	QPSK	75	0	20.67	20.68	20.67								
15	HQAM	1	37	20.69	20.70	20.63	22	1						
15	HQAM	1	37	20.69	20.70	20.63								
15	HQAM	36	0	19.67	19.89	19.74								
15	HQAM	36	20	19.61	19.82	19.66								
15	HQAM	36	20	19.67	19.87	19.66	21	2						
15	HQAM	75	0	19.62	19.78	19.83								
15	HQAM	75	0	19.78	19.84	19.73								
15	HQAM	75	0	19.75	19.73	19.70								
15	HQAM	1	74	19.74	19.83	19.65	20	3						
15	HQAM	36	0	18.59	18.88	18.75								
15	HQAM	36	0	18.52	18.80	18.64								
15	HQAM	36	50	18.57	18.59	18.52								
15	HQAM	75	0	18.68	18.80	18.61	18	5						
15	HQAM	7												

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)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.99	22.94	22.94	24	0						
20	QPSK	1	49	22.99	22.94	22.94								
20	QPSK	1	99	22.76	22.88	22.86								
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								
20	16QAM	1	0	21.84	21.91	21.88								
20	16QAM	1	49	21.72	21.81	21.84	23	1						
20	16QAM	1	99	21.60	21.72	21.83								
20	16QAM	50	0	20.95	21.08	20.99								
20	16QAM	50	24	20.85	21.04	20.93								
20	16QAM	50	50	20.87	20.94	20.84	22	2						
20	16QAM	100	0	21.91	21.99	21.90								
20	64QAM	1	0	20.84	20.92	20.72								
20	64QAM	1	49	20.76	20.84	20.72								
20	64QAM	50	0	20.82	20.72	20.59	21	3						
20	64QAM	50	24	20.69	20.70	20.57								
20	64QAM	50	50	19.97	20.00	19.99								
20	64QAM	100	0	19.97	20.10	20.07								
20	256QAM	1	0	18.96	18.99	18.94	19	5						
20	256QAM	1	49	18.91	18.94	17.93								
20	256QAM	1	99	17.92	17.94	17.86								
20	256QAM	50	0	17.96	17.99	17.95								
20	256QAM	50	24	17.94	18.08	17.95	19	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	22.93	22.95	22.79	24	0						
18	QPSK	1	37	22.86	22.81	22.78								
18	QPSK	1	74	22.72	22.74	22.81								
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	21.88								
18	16QAM	1	0	21.75	21.78	21.75								
18	16QAM	1	37	21.69	21.68	21.59	23	1						
18	16QAM	1	74	21.66	21.66	21.66								
18	16QAM	36	0	20.90	20.91	20.77								
18	16QAM	36	25	20.84	20.89	20.82								
18	16QAM	75	0	20.77	20.78	19.97	22	2						
18	16QAM	75	0	20.96	20.91	20.88								
18	64QAM	1	0	20.81	20.74	20.57								
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	25	19.98	20.06	19.87								
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	17.96	17.96	17.96								
18	256QAM	1	37	17.88	17.93	17.89								
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	25	17.82	18.00	17.84								
18	256QAM	36	39	17.67	17.80	17.69								
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								
10	QPSK	36	0	21.86	21.93	21.87								
10	QPSK	25	12	21.85	21.98	21.83	23	1						
10	QPSK	25	25	21.79	21.77	21.71								
10	QPSK	36	25	21.82	21.94	21.87								
10	16QAM	1	0	21.76	21.85	21.78								
10	16QAM	1	25	21.61	21.68	21.50	23	1						
10	16QAM	1	49	21.60	21.60	21.58								
10	16QAM	25	0	20.88	20.92	20.82								
10	16QAM	25	12	20.86	20.92	20.80								
10	16QAM	50	0	20.76	20.83	20.71	22	2						
10	16QAM	50	0	20.94	20.91	20.90								
10	64QAM	1	0	20.54	20.75	20.61								
10	64QAM	1	24	20.62	20.71	20.61								
10	64QAM	1	49	20.57	20.61	20.53	21	3						
10	64QAM	25	0	19.91	20.03	19.83								
10	64QAM	25	12	19.94	20.02	19.86								
10	64QAM	25	25	19.88	19.94	19.85								
10	64QAM	50	0	19.83	19.98	19.83	19	5						
10	256QAM	1	0	18.00	18.00	18.00								
10	256QAM	1	25	17.88	17.99	17.94								
10	256QAM	1	49	17.77	17.85	17.78								
10	256QAM	25	0	17.93	18.01	17.85	19	5						
10	256QAM	25	12	17.80	18.05	17.84								
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	22.61	22.48	24	0						
5	QPSK	1	12	22.77	22.85	22.89								
5	QPSK	1	24	22.71	22.80	22.79								
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	21.86								
5	16QAM	1	0	21.70	21.85	21.72								
5	16QAM	1	12	21.69	21.71	21.49	23	1						
5	16QAM	1	24	21.62	21.67	21.56								
5	16QAM	12	0	20.88	20.94	20.79								
5	16QAM	12	7	20.67	21.00	20.82								
5	16QAM	25	0	20.86	20.83	20.71	22	2						
5	16QAM	25	0	20.88	20.96	20.84								
5	64QAM	1	0	20.51	20.78	20.62								
5	64QAM	1	12	20.67	20.74	20.65								
5	64QAM	1	24	20.58	20.60	20.48	21	3						
5	64QAM	12	0	19.95	19.96	19.90								
5	64QAM	12	7	19.91	19.99	19.93								
5	64QAM	12	13	19.88	19.95	19.84								
5	64QAM	25	0	19.85	19.93	19.86	19	5						
5	256QAM	1	0	17.95	18.03	17.89								
5	256QAM	1	12	17.87	17.95	17.82								
5	256QAM	1	24	17.80	17.89	17.73								
5	256QAM	12	0	17.84	18.05	17.83	19	5						
5	256QAM	12	7	17.86	18.06	17.87								
5	256QAM	12	13	17.68	17.78	17.70								
5	256QAM	25	0	17.88	17.88	17.82	19	5						
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.94	23.00	22.90					24	0		
3	QPSK	1	12	22.97	22.89	22.88								
3	QPSK	1	24	22.71	22.78	22.74								
3	QPSK	12	0	21.86	22.00	21.78								
3	QPSK	12	7	21.88	21.98	21.78	23	1						
3	QPSK	12	13	21.78	21.88	21.74								
3	QPSK	25	0	21.92	21.96	21.81								
3	16QAM	1	0	21.78	22.02	21.72								
3	16QAM	1	12	21.76	21.82	21.71	23	1						
3	16QAM	1	24	21.62	21.68	21.52								
3	16QAM	12	0	20.88	20.94	20.79								
3	16QAM	12	7	20.67	21.00	20.82								
3	16QAM	25	0	20.86	20.83	20.71	22	2						
3	16QAM	25	0	20.88	20.96	20.84								
3	64QAM	1	0	20.51	20.78	20.62								
3	64QAM	1	12	20.67	20.74	20.65								
3	64QAM	1	24	20.58	20.60	20.48	21	3						
3	64QAM	12	0	19.95	19.96	19.90								
3	64QAM	12	7	19.91	19.99	19.93								
3	64QAM	12	13	19.88	19.95	19.89								
3	64QAM	25	0	19.85	19.93	19.86	19	5						
3	256QAM	1	0	17.95	18.03	17.89								
3	256QAM	1	12	17.87	17.95	17.82								
3	256QAM	1	24	17.80	17.89	17.73								
3	256QAM	12	0	17.84	18.05	17.83	19	5						
3	256QAM	12	7	17.86	18.06	17.87								
3	256QAM	12	13	17.68	17.78	17.70								
3	256QAM	25	0	17.88	17.88	17.82	19	5						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.94	23.04	22.94					24	0		
1.4	QPSK	1	3	22.94	23.04	22.94								
1.4	QPSK	1	5	22.92	23.00	22.92								
1.4	QPSK	1	7	22.87	22.95	22.90								
1.4	QPSK	3	0	22.77	22.81	22.75	23	1						
1.4	QPSK	3	3	22.83	22.90	22.85								
1.4	QPSK	1	0	21.78	21.85	21.69								
1.4	16QAM	1	3	21.81	21.73	21.68								
1.4	16QAM	1	5	21.80	21.75	21.66	23	1						
1.4	16QAM	1	7	21.87	21.94	21.79								
1.4	16QAM	3	0	21.87	20.91	21.87								
1.4	16QAM	3	3	21.86	21.80	21.78								
1.4	16QAM	6	0	20.87	20.97	20.97	22	2						
1.4	16QAM	6	0	20.90	20.75	20.81								
1.4	16QAM	6	3	20.93	20.79	20.83								
1.4	16QAM	6	6	20.48	20.87	20.43								
1.4	16QAM	3	9	20.88	21.04	20.84	22	2						
1.4	16QAM	3	12	21.01	20.93	21.01								
1.4	16QAM	3	15	20.91	20.99	20.93								
1.4	16QAM	6	0	19.83	20.00	19.88								
1.4	256QAM	1	0	17.84	17.89	17.82	19	5						
1.4	256QAM	1	3	17.84	17.89	17.82								
1.4	256QAM	3	0	17.84	18.07	17.84								
1.4	256QAM	3	3	17.84	18.03	17.81								
1.4	256QAM	6	0	17.89	17.94	17.86	19	5						
1.4	256QAM	6	0	17.89	17.94	17.86								
1.4	256QAM	6	3	17.89	17.94	17.86								
1.4	256QAM	6	6	17.89	17.94	17.86								

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				20500	21100	21500					
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	22.08	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	20.95	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				20625	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	21.85					
15	QPSK	75	0	21.94	22.01	21.85	23	1			
15	16QAM	1	0	21.63	21.81	21.84					
15	16QAM	1	37	21.76	21.85	21.80					
15	16QAM	1	74	21.67	21.89	21.83	22	2			
15	16QAM	36	0	20.92	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	17.86	17.81					
15	256QAM	36	20	17.62	17.84	17.76	19	5			
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	20.02	20.03	19	5			
5	256QAM	1	0	17.74	17.87	17.84					
5	256QAM	1	12	17.62	17.74	17.67					
5	256QAM	1	24	17.52	17.81	17.62					
5	256QAM	12	0	17.74	18.02	17.82	19	5			
5	256QAM	12	7	17.57	17.87	17.65					
5	256QAM	12	13	17.72	17.86	17.82					
5	256QAM	25	0	17.79	18.05	18.04					

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				20650	21100	21550					
Frequency (MHz)				2610	2635	2660					
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	100	0	21.83	21.98	21.88					
20	16QAM	1	0	21.93	22.05	21.92	23	1			
20	16QAM	1	49	21.93	22.02	21.98					
20	16QAM	1	99	21.83	21.92	21.78					
20	16QAM	50	0	20.93	21.02	20.92	22	2			
20	16QAM	50	24	20.80	20.87	20.74					
20	16QAM	50	50	20.85	20.90	20.78					
20	16QAM	100	0	20.94	20.99	20.85	22	2			
20	64QAM	1	0	20.91	21.06	20.92					
20	64QAM	1	49	20.84	20.91	20.85					
20	64QAM	1	99	20.95	21.03	20.95	21	3			
20	64QAM	50	0	19.93	20.07	20.00					
20	64QAM	50	24	19.95	20.03	19.93					
20	64QAM	50	50	19.88	20.00	19.96	19	5			
20	64QAM	100	0	19.93	19.98	19.90					
20	256QAM	1	0	17.67	17.80	17.75					
20	256QAM	1	49	17.70	17.74	17.67	19	5			
20	256QAM	1	99	17.60	17.68	17.53					
20	256QAM	50	0	17.98	18.03	17.92					
20	256QAM	50	24	17.92	17.99	17.92	19	5			
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	2567.5 <th colspan="4"></th>					
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	22	2			
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	3			
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					
15	256QAM	36	20	17.82	17.86	17.81					
15	256QAM	36	39	17.81	17.90	17.80	19	5			
15	256QAM	75	0	17.87	17.92	17.84					
Channel				20800	21100	21400					Tune-up limit (dBm)
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	21.84	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 <th colspan="4"></th>					
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	19.77	19	5			
5	256QAM	1	0	17.59	17.73	17.64					
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	17.82	19	5			
5	256QAM	12	7	17.86	17.94	17.85					
5	256QAM	12	13	17.72	17.86	17.78					
5	256QAM	25	0	17.82	17.90	17.86					

**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	22.66	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	22.5	2
20	QPSK	50	50	22.63	22.71	22.68	22.58		
20	QPSK	100	0	22.68	22.75	22.69	22.61	22.5	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	22.5	1
20	16QAM	1	99	22.49	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	21.88	21.87	21.88		
20	16QAM	50	50	21.59	21.71	21.65	21.61	22.5	1
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	8QAM	1	49	21.39	21.48	21.43	21.38		
20	8QAM	1	99	21.38	21.44	21.37	21.41	21.5	3
20	8QAM	50	0	20.74	20.78	20.70	20.68		
20	8QAM	50	24	20.61	20.69	20.63	20.54	19.5	5
20	8QAM	50	50	20.67	20.75	20.61	20.67		
20	8QAM	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	35530	35610	35655	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3568	3642	3592.5	24.5	0
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	22.63	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	8QAM	1	0	21.27	21.38	21.39	21.32	22.5	2
15	8QAM	1	37	21.31	21.42	21.34	21.33		
15	8QAM	1	74	21.32	21.34	21.29	21.27	21.5	3
15	8QAM	36	0	20.64	20.72	20.65	20.58		
15	8QAM	36	20	20.54	20.62	20.51	20.40	19.5	5
15	8QAM	36	39	20.55	20.70	20.56	20.62		
15	8QAM	75	0	20.58	20.71	20.58	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				35645	3601.5	3642.5	3664.5	24.5	0
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	22.54	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	22.35	22.5	2
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	21.80	21.53	21.51	22.5	2
10	16QAM	50	0	21.63	21.73	21.56	21.54		
10	8QAM	1	0	21.24	21.34	21.50	21.34	22.5	2
10	8QAM	1	25	21.28	21.38	21.32	21.29		
10	8QAM	1	49	21.26	21.30	21.26	21.25	21.5	3
10	8QAM	25	0	20.80	20.71	20.58	20.54		
10	8QAM	25	12	20.46	20.57	20.60	20.47	19.5	5
10	8QAM	25	25	20.63	20.88	20.56	20.52		
10	8QAM	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	56705	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3597	3643	3697.5	24.5	0
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	22.5	2
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	21.88	21.66	21.55		
5	8QAM	1	0	21.18	21.33	21.48	21.32	22.5	2
5	8QAM	1	12	21.31	21.38	21.35	21.31		
5	8QAM	1	24	21.31	21.36	21.33	21.36	21.5	3
5	8QAM	12	0	20.69	20.84	20.59	20.55		
5	8QAM	12	7	20.55	20.55	20.54	20.46	19.5	5
5	8QAM	12	13	20.63	20.65	20.67	20.61		
5	8QAM	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	18.36	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	Tune-up limit (dBm)	MPR (dB)	
Channel				43190	43340	43490			
Frequency (MHz)				3560	3575	3590			
20	QPSK	1	0	24.95	25.20	25.17			
20	QPSK	1	49	24.92	25.08	24.90	26	0	
20	QPSK	1	99	24.86	24.93	24.89			
20	QPSK	50	0	24.18	24.22	24.15			
20	QPSK	50	24	24.08	24.12	24.09			
20	QPSK	50	50	23.98	23.98	23.98	25	1	
20	QPSK	100	0	23.96	24.05	23.94			
20	16QAM	1	0	24.28	24.36	24.22			
20	16QAM	1	49	24.19	24.27	24.16	25	1	
20	16QAM	1	99	24.17	24.25	24.11			
20	16QAM	50	0	23.23	23.24	23.23			
20	16QAM	50	24	23.16	23.21	23.09			
20	16QAM	50	50	23.09	23.17	23.11	24	2	
20	16QAM	100	0	23.05	23.15	23.10			
20	64QAM	1	0	23.04	23.04	23.03			
20	64QAM	1	49	21.96	22.05	22.02	23	3	
20	64QAM	1	99	21.93	22.03	21.93			
20	64QAM	50	0	21.28	21.32	21.19			
20	64QAM	50	24	21.06	21.20	21.07	22	4	
20	64QAM	50	50	21.06	21.18	21.08			
20	64QAM	100	0	21.07	21.11	21.03			
20	256QAM	1	0	21.13	21.21	21.12			
20	256QAM	1	49	21.02	21.09	20.98	22	4	
20	256QAM	1	99	21.08	21.16	21.00			
20	256QAM	50	0	21.22	21.30	21.22			
20	256QAM	50	24	21.15	21.26	21.10	22	4	
20	256QAM	50	50	21.09	21.21	21.08			
20	256QAM	100	0	21.04	21.07	21.00			
Channel				43195	43340	43515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3567.5	3575	3592.5			
15	QPSK	1	0	24.81	25.10	25.04			
15	QPSK	1	37	24.79	24.88	24.81	26	0	
15	QPSK	1	74	24.74	24.77	24.77			
15	QPSK	36	20	24.06	24.18	24.03	25	1	
15	QPSK	36	39	23.83	23.79	23.72			
15	QPSK	75	0	23.87	23.87	23.86			
15	16QAM	1	0	24.16	24.32	24.15			
15	16QAM	1	37	24.10	24.12	24.13	25	1	
15	16QAM	1	74	24.11	24.12	23.99			
15	16QAM	36	20	23.18	23.17	23.08			
15	16QAM	36	20	23.04	23.11	23.04	24	2	
15	16QAM	36	39	22.96	23.06	23.00			
15	16QAM	75	0	23.01	23.01	22.96			
15	64QAM	1	0	21.95	22.00	21.96	23	3	
15	64QAM	1	37	21.92	21.92	21.92			
15	64QAM	1	74	21.83	21.91	21.79			
15	64QAM	36	0	21.16	21.22	21.09			
15	64QAM	36	20	20.92	21.12	20.95	22	4	
15	64QAM	36	39	20.98	21.03	21.06			
15	64QAM	75	0	20.93	21.08	20.94			
15	256QAM	1	0	21.03	21.11	21.02			
15	256QAM	1	37	20.94	20.95	20.93	22	4	
15	256QAM	1	74	20.92	21.07	21.01			
15	256QAM	36	0	21.16	21.21	21.14			
15	256QAM	36	20	21.01	21.13	21.01	22	4	
15	256QAM	36	39	20.98	21.13	20.99			
15	256QAM	75	0	20.92	21.01	20.97			
Channel				43160	43340	43540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3575	3595			
10	QPSK	1	0	24.91	25.15	25.11			
10	QPSK	1	25	24.84	25.01	24.77	26	0	
10	QPSK	1	49	24.75	24.89	24.77			
10	QPSK	25	0	24.13	24.13	24.03			
10	QPSK	25	12	23.96	24.00	24.00	25	1	
10	QPSK	25	25	23.75	23.83	23.79			
10	QPSK	50	0	23.82	24.01	23.85			
10	16QAM	1	0	24.15	24.15	24.15			
10	16QAM	1	25	24.10	24.19	24.05	25	1	
10	16QAM	1	49	24.13	24.22	24.04			
10	16QAM	25	0	23.16	23.24	23.14			
10	16QAM	25	12	23.08	23.07	22.96	24	2	
10	16QAM	25	25	23.06	23.05	23.06			
10	16QAM	50	0	22.97	23.04	22.98			
10	64QAM	1	0	21.91	22.12	21.90			
10	64QAM	1	25	21.89	22.00	21.95	23	3	
10	64QAM	1	49	21.81	21.81	21.78			
10	64QAM	25	0	21.24	21.28	21.06			
10	64QAM	25	12	20.94	21.14	20.95	22	4	
10	64QAM	25	25	20.94	21.12	21.05			
10	64QAM	50	0	20.96	21.04	20.87			
10	256QAM	1	0	21.08	21.06	21.08			
10	256QAM	1	25	20.90	21.04	20.85	22	4	
10	256QAM	1	49	21.02	21.06	20.99			
10	256QAM	25	0	21.09	21.17	21.13			
10	256QAM	25	12	21.05	21.15	21.11	22	4	
10	256QAM	25	25	20.95	21.14	20.97			
10	256QAM	50	0	21.02	21.00	21.03			
Channel				43115	43340	43565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3475	3497.5			
5	QPSK	1	0	24.89	25.10	25.12			
5	QPSK	1	12	24.82	24.93	24.81	26	0	
5	QPSK	1	24	24.74	24.79	24.79			
5	QPSK	12	0	24.12	24.12	24.11			
5	QPSK	12	12	24.05	24.08	23.99	25	1	
5	QPSK	12	13	23.83	23.79	23.75			
5	16QAM	1	0	23.93	24.01	23.87			
5	16QAM	1	12	24.17	24.30	24.15	25	1	
5	16QAM	1	24	24.15	24.15	24.15			
5	16QAM	1	24	24.10	24.11	24.01			
5	16QAM	12	7	23.14	23.22	23.17			
5	16QAM	12	7	23.03	23.15	23.02	24	2	
5	16QAM	12	13	22.96	23.05	22.96			
5	16QAM	25	0	22.93	23.01	23.02			
5	64QAM	1	0	21.96	22.03	21.89			
5	64QAM	1	12	21.91	21.90	21.90	23	3	
5	64QAM	1	24	21.87	21.92	21.89			
5	64QAM	12	0	21.28	21.24	21.15			
5	64QAM	12	7	20.94	21.12	20.94	22	4	
5	64QAM	12	13	20.95	21.09	21.05			
5	64QAM	25	0	20.95	21.08	20.93			
5	256QAM	1	0	21.07	21.07	21.05			
5	256QAM	1	12	20.97	20.96	20.90	22	4	
5	256QAM	1	24	20.94	21.01	20.94			
5	256QAM	12	0	21.13	21.18	21.14			
5	256QAM	12	0	21.07	21.07	21.05	22	4	
5	256QAM	12	13	21.01	21.06	21.04			
5	256QAM	25	0	20.91	20.99	20.98			

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. (dB)	MPE (dB)									
Channel																	
Frequency (MHz)																	
20	QPSK	1	0	23.47	23.87	23.84	25	0									
20	QPSK	1	40	23.47	23.86	23.74											
20	QPSK	1	80	23.53	23.81	23.66	24	1									
20	QPSK	50	0	22.87	23.08	22.97											
20	QPSK	24	0	22.72	22.87	22.81	24	1									
20	QPSK	50	50	22.79	23.02	22.93											
20	HQAM	1	0	22.84	23.06	23.01	24	1									
20	HQAM	1	40	22.44	22.67	22.57											
20	HQAM	1	80	22.33	22.61	22.49	23	2									
20	HQAM	50	24	21.60	21.86	21.72											
20	HQAM	50	50	21.86	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	22	3									
20	HQAM	50	50	20.64	20.91	20.84											
20	HQAM	100	0	20.86	21.06	21.02	20	5									
20	25QAM	1	0	18.36	18.62	18.58											
20	25QAM	1	40	18.30	18.55	18.45	20	5									
20	25QAM	50	24	18.75	18.82	18.84											
20	25QAM	50	24	18.62	18.80	18.67	20	5									
20	25QAM	50	50	18.55	18.84	18.73											
20	25QAM	100	0	18.75	18.92	18.87											
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	23	2									
15	HQAM	36	20	21.50	21.77	21.62											
15	HQAM	36	0	21.53	21.86	21.87	23	2									
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	21.79	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	20.71	20.98	20.87	22	3									
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	18.85	18.52	20	5									
15	25QAM	36	36	18.51	18.80	18.61											
15	25QAM	75	0	18.53	18.86	18.76											
Channel																	
Frequency (MHz)																	
10	QPSK	1	0	23.47	23.81	23.77	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	22.49	22.47	23	2									
10	HQAM	25	0	21.59	21.92	21.87											
10	HQAM	25	12	21.51	21.81	21.58	23	2									
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	21.64	22	3									
10	HQAM	1	40	21.54	21.82	21.78											
10	HQAM	25	0	20.74	21.00	20.93	22	3									
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	0	18.32	18.52	18.35	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	50	18.01	18.50	18.37											
10	25QAM	25	12	18.54	18.73	18.57	20	5									
10	25QAM	25	25	18.42	18.67	18.64											
10	25QAM	50	0	18.62	18.90	18.80											
Channel																	
Frequency (MHz)																	
5	QPSK	1	0	23.47	23.81	23.77	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	16	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	23	2									
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	21.64	21.85	21.76	22	3									
5	HQAM	1	12	21.68	21.78	21.62											
5	HQAM	1	24	21.67	21.84	21.62	22	3									
5	HQAM	12	7	20.71	20.94	20.86											
5	HQAM	12	0	20.71	20.98	20.85	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	0	18.30	18.54	18.43											
5	25QAM	1	12	18.22	18.45	18.38	20	5									
5	25QAM	1	24	18.16	18.51	18.33											
5	25QAM	1	36	18.17	18.55	18.37	20	5									
5	25QAM	12	7	18.56	18.72	18.54											
5	25QAM	12	13	18.66	18.74	18.62	20	5									
5	25QAM	25	0	18.72	18.91	18.85											
Channel																	
Frequency (MHz)																	
3	QPSK	1	0	23.47	23.81	23.77	25	0									
3	QPSK	1	8	23.48	23.78	23.70											
3	QPSK	1	16	23.50	23.80	23.69	24	1									
3	QPSK	8	0	22.80	23.05	22.94											
3	QPSK	8	8	22.83	22.98	22.92	24	1									
3	QPSK	8	16	22.88	22.99	22.92											
3	QPSK	16	0	22.77	23.02	22.85	24	1									
3	HQAM	1	0	22.41	22.68	22.57											
3	HQAM	1	8	22.39	22.58	22.46	23	2									
3	HQAM	1	16	22.29	22.48	22.40											
3	HQAM	8	0	21.67	21.88	21.84	23	2									
3	HQAM	8	8	21.45	21.73	21.61											
3	HQAM	8	16	21.48	21.79	21.71	23	2									
3	HQAM	16	0	21.86	22.01	22.02											
3	HQAM	1	0	21.63	21.93	21.74	22	3									
3	HQAM	8	7	21.45	21.79	21.71											
3	HQAM	8	8	21.55	21.83	21.72	22	3									
3	HQAM	16	0	21.67	21.87	21.78											
3	HQAM	8	0	20.63	20.95	20.90	22	3									
3	HQAM	16	0	20.75	20.95	20.87											
3	HQAM	8	8	20.87	21.07	20.95	20	5									
3	HQAM	16	0	20.81	21.02	20.95											
3	25QAM	1	0	18.28	18.51	18.48	20	5									
3	25QAM	1	8	18.26	18.48	18.42											
3	25QAM	1	16	18.18	18.41	18.32	20	5									
3	25QAM	8	0	18.62	18.90	18.78											
3	25QAM	8	8	18.60	18.88	18.68	20	5									
3	25QAM	8	16	18.41	18.81	18.69											
3	25QAM	16	0	18.76	18.99	18.89	20	5									
3	25QAM	16	8	18.58	18.92	18.82											
Channel																	
Frequency (MHz)																	
1.4	QPSK	1	0	23.41	23.78	23.74	25	0									
1.4	QPSK	1	8	23.42	23.76	23.68											
1.4	QPSK	1	16	23.45	23.80	23.69	24	1									
1.4	QPSK	8	0	22.48	23.75	23.55											
1.4	QPSK	8	8	22.63	23.62	23.67	23	2									
1.4	QPSK	8	16	22.38	23.64	23.65											
1.4	QPSK	3	0	22.49	23.71	23.61	24	1									
1.4	QPSK	6	0	22.76	22.99	22.91											
1.4	HQAM	1	0	22.46	22.64	22.57	24	1									
1.4	HQAM	1	3	22.39	22.58	22.45											
1.4	HQAM	1	6	22.26	22.53	22.45	24	1									
1.4	HQAM	3	0	22.07	22.47	22.35											
1.4	HQAM	3	3	22.49	22.71	22.66	23	2									
1.4	HQAM	3	6	22.50	22.62	22.59											
1.4	HQAM	6	0	21.67	21.97	21.87	23	2									
1.4	HQAM	6	3	21.61	21.77	21.74											
1.4	HQAM	6	6	21.78	21.96	21.91	22	3									
1.4	HQAM	12	0	18.22	18.49	18.42											
1.4	25QAM	1	0</														

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	22.56	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
TX Channel		9062	9400	9538		1312	1413	1513		4132	4182	4233	
Frequency (MHz)		9052.00	9400.00	9538.00		1307.00	1408.00	1508.00		4127.00	4177.00	4228.00	
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	RMC 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	21.41	21.43	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	21.82	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	21.86	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	17.66	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	13.81							
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	18.63	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			18	2			
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	3			
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	25	0	17.68	17.78	17.66							
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	17.67	17.67	17.41			19	1			
16	16QAM	1	0	17.72	17.75	17.69							
16	16QAM	1	26	17.68	17.57	17.62			18	2			
16	16QAM	25	0	17.77	17.78	17.67							
16	16QAM	25	12	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	24	16.55	16.64	16.53							
16	64QAM	1	0	16.87	16.79	16.72			18	2			
16	64QAM	1	24	16.85	16.84	16.84							
16	64QAM	1	49	16.55	16.75	16.82			17	3			
16	64QAM	25	0	15.94	15.91	15.86							
16	64QAM	25	12	15.92	15.96	15.85			17	3			
16	64QAM	25	25	15.61	15.66	15.62							
16	64QAM	50	0	15.53	15.56	15.51			15	5			
16	256QAM	1	0	13.63	13.63	13.63							
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	13.52			15	5			
16	256QAM	25	12	13.40	13.58	13.59							
16	256QAM	25	25	13.49	13.68	13.68			15	5			
16	256QAM	50	0	13.53	13.63	13.53							
Channel													
Frequency (MHz)													
5	QPSK	1	0	18.73	18.85	18.79			20	0			
5	QPSK	1	12	18.59	18.57	18.59							
5	QPSK	1	24	18.48	18.52	18.37			19	1			
5	QPSK	12	0	17.64	17.72	17.66							
5	QPSK	12	7	17.64	17.73	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	17.77							
5	16QAM	12	0	16.56	16.61	16.56			18	2			
5	16QAM	12	7	16.45	16.58	16.44							
5	16QAM	12	13	16.52	16.63	16.48			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	16.81			17	3			
5	64QAM	12	0	15.56	15.81	15.68							
5	64QAM	12	7	15.62	15.72	15.52			15	5			
5	64QAM	12	13	15.60	15.67	15.63							
5	64QAM	25	0	15.61	15.62	15.57			15	5			
5	256QAM	1	0	13.61	13.74	13.71							
5	256QAM	1	12	13.57	13.70	13.57			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	13.50							
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	18.32			19	1			
3	QPSK	8	0	17.65	17.72	17.58							
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	17.5	17.57	17.47			19	1			
3	16QAM	1	14	17.45	17.72	17.74							
3	16QAM	8	0	16.49	16.64	16.54			18	2			
3	16QAM	8	4	16.53	16.63	16.44							
3	16QAM	8	7	16.49	16.59	16.40			18	2			
3	16QAM	16	0	16.49	16.64	16.59							
3	16QAM	16	8	16.72	16.89	16.70			18	2			
3	16QAM	16	14	16.71	16.86	16.70							
3	64QAM	1	0	16.81	16.74	16.62			17	3			
3	64QAM	1	8	16.57	16.78	16.82							
3	64QAM	1	14	16.61	16.74	16.62			17	3			
3	64QAM	8	0	15.87	15.87	15.87							
3	64QAM	8	4	15.81	15.87	15.83			15	5			
3	256QAM	1	0	13.64	13.75	13.60							
3	256QAM	1	8	13.67	13.67	13.66			15	5			
3	256QAM	1	14	13.59	13.76	13.59							
3	256QAM	8	0	13.53	13.65	13.53			15	5			
3	256QAM	8	4	13.51	13.68	13.52							
3	256QAM	8	7	13.44	13.63	13.52			15	5			
3	256QAM	16	0	13.54	13.67	13.54							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	18.57	18.80	19.03			20	0			
1.4	QPSK	1	3	18.51	18.52	18.50							
1.4	QPSK	1	6	18.45	18.53	18.52			19	1			
1.4	QPSK	3	0	17.69	17.72	17.67							
1.4	QPSK	3	3	17.65	17.73	17.63			19	1			
1.4	QPSK	3	6	17.51	17.70	17.63							
1.4	QPSK	6	0	17.49	17.69	17.61			19	1			
1.4	16QAM	1	0	17.65	17.70	17.61							
1.4	16QAM	1	6	17.57	17.67	17.57			18	2			
1.4	16QAM	3	0	16.82	16.82	16.74							
1.4	16QAM	3	3	16.73	16.82	16.74			18	2			
1.4	16QAM	3	6	16.61	16.82	16.80							
1.4	16QAM	6	0	16.86	16.86	16.76			18	2			
1.4	16QAM	6	3	16.84	16.81	16.74							
1.4	16QAM	6	6	16.81	16.78	16.75			17				



Band 30 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Modulo Ch./Freq.	Power Modulo Ch./Freq.	Power High Modulo Ch./Freq.	Turn-up Int. (dB)	MPE (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	12	15.72					
10	16QAM	25	25	15.82			17	3	
10	16QAM	50	0	15.80					
10	256QAM	1	0	13.73					
10	256QAM	1	25	13.82			15	5	
10	256QAM	1	49	13.89					
10	256QAM	25	0	13.73					
10	256QAM	25	12	13.89			15	5	
10	256QAM	25	25	13.66					
10	256QAM	50	0	13.56					
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.83	18.83	18.84	20	0	
5	QPSK	1	12	18.55	18.57	18.49			
5	QPSK	1	24	18.58	18.54	18.59			
5	QPSK	12	0	17.70	17.71	17.76	19	1	
5	QPSK	12	7	17.48	17.54	17.48			
5	QPSK	12	13	17.59	17.60	17.63			
5	QPSK	25	0	17.59	17.54	17.64	19	1	
5	16QAM	1	0	17.76	17.77	17.76			
5	16QAM	1	12	17.61	17.55	17.64			
5	16QAM	1	24	17.76	17.78	17.79	18	2	
5	16QAM	12	0	16.87	16.71	16.75			
5	16QAM	12	7	16.45	16.45	16.52			
5	16QAM	25	0	16.68	16.69	16.60	18	2	
5	16QAM	1	0	16.87	16.87	16.87			
5	16QAM	1	12	16.56	16.61	16.53			
5	16QAM	1	24	16.52	16.57	16.55	17	3	
5	16QAM	12	0	15.63	15.59	15.67			
5	16QAM	12	7	15.62	15.68	15.60			
5	16QAM	12	13	15.57	15.45	15.50	15	5	
5	16QAM	25	0	15.67	15.73	15.66			
5	256QAM	1	0	13.64	13.62	13.65			
5	256QAM	1	12	13.68	13.65	13.77	15	5	
5	256QAM	1	24	13.62	13.64	13.65			
5	256QAM	12	0	13.60	13.64	13.69			
5	256QAM	12	7	13.63	13.62	13.61	15	5	
5	256QAM	12	13	13.52	13.56	13.58			
5	256QAM	25	0	13.51	13.48	13.43			

Band 66 Ant1														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Modulo Ch./Freq.	Power Modulo Ch./Freq.	Power High Modulo Ch./Freq.	Turnup Int. (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	19.32	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	16.15								
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	50	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	17.21	18.5	2						
15	16QAM	75	0	17.13	17.25	17.30								
15	16QAM	1	0	17.32	17.44	17.38								
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	16.21	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	36	0	14.20	14.20	14.26	15.5	5						
15	256QAM	36	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	18.15	19.5	1						
10	16QAM	1	49	18.00	18.00	18.07								
10	16QAM	25	0	17.19	17.40	17.37								
10	16QAM	25	12	17.19	17.39	17.38	18.5	2						
10	16QAM	25	25	17.26	17.38	17.38								
10	16QAM	50	0	17.16	17.28	17.38								
10	16QAM	50	12	17.28	17.37	17.38	18.5	2						
10	16QAM	1	25	17.29	17.36	17.20								
10	16QAM	1	49	17.23	17.25	17.17								
10	16QAM	1	74	17.05	17.15	17.15	17.5	3						
10	16QAM	25	0	16.22	16.25	16.15								
10	16QAM	25	12	16.29	16.27	16.15								
10	16QAM	25	25	16.12	16.15	16.06	15.5	5						
10	16QAM	50	0	15.27	15.37	15.36								
10	16QAM	50	12	15.27	15.37	15.36								
10	256QAM	1	0	14.27	14.26	14.21	15.5	5						
10	256QAM	1	25	14.26	14.29	14.26								
10	256QAM	1	49	14.26	14.29	14.26								
10	256QAM	25	0	14.24	14.33	14.26	15.5	5						
10	256QAM	25	12	14.10	14.21	14.18								
10	256QAM	25	25	14.10	14.21	14.18								
10	256QAM	50	0	14.21	14.24	14.03								
Channel														
Frequency (MHz)														
5	QPSK	1	0	19.22	19.33	19.26	20.5	0						
5	QPSK	1	12	19.04	19.06	19.08								
5	QPSK	1	24	18.92	19.03	18.95								
5	QPSK	12	0	18.05	18.20	18.20	19.5	1						
5	QPSK	12	7	17.99	18.13	18.04								
5	QPSK	12	14	18.02	18.16	18.05								
5	QPSK	25	0	18.08	18.20	17.98	19.5	1						
5	QPSK	25	1	18.05	18.17	18.28								
5	QPSK	25	12	18.22	18.19	18.25								
5	QPSK	1	24	18.02	17.98	17.88	18.5	2						
5	16QAM	12	0	17.17	17.31	17.21								
5	16QAM	12	7	17.19	17.29	17.21								
5	16QAM	12	14	17.14	17.17	17.15	18.5	2						
5	16QAM	25	0	17.19	17.23	17.09								
5	16QAM	25	1	17.33	17.40	17.40								
5	16QAM	1	12	17.24	17.36	17.20	18.5	2						
5	16QAM	1	24	17.25	17.35	17.25								
5	16QAM	12	0	16.07	16.27	16.21								
5	16QAM	12	7	16.26	16.30	16.19	17.5	3						
5	16QAM	12	14	16.29	16.30	16.16								
5	16QAM	25	0	16.16	16.25	16.10								
5	256QAM	1	0	14.30	14.32	14.24	15.5	5						
5	256QAM	1	12	14.28	14.34	14.15								
5	256QAM	1	24	14.19	14.24	14.13								
5	256QAM	12	0	14.31	14.31	14.29	15.5	5						
5	256QAM	12	7	14.25	14.35	14.25								
5	256QAM	12	14	14.26	14.29	14.18								
5	256QAM	25	0	14.28	14.28	14.27								
Channel														
Frequency (MHz)														
3	QPSK	1	0	19.17	19.26	19.25	20.5	0						
3	QPSK	1	14	19.01	19.13	19.05								
3	QPSK	1	28	18.83	18.19	18.18								
3	QPSK	8	0	18.16	18.23	18.23	19.5	1						
3	QPSK	8	7	18.04	18.08	18.03								
3	QPSK	15	0	18.11	18.09	17.93								
3	QPSK	1	14	18.19	18.27	18.25	19.5	1						
3	16QAM	8	0	18.19	18.25	18.11								
3	16QAM	8	7	18.12	17.99	18.06								
3	16QAM	15	0	17.27	17.31	17.25	18.5	2						
3	16QAM	8	0	17.15	17.27	17.11								
3	16QAM	8	7	17.32	17.40	17.32								
3	16QAM	1	8	17.28	17.38	17.19	18.5	2						
3	16QAM	1	14	17.28	17.38	17.19								
3	16QAM	8	0	16.10	16.25	16.15								
3	16QAM	8	4	16.20	16.28	16.13	17.5	3						
3	16QAM	15	0	16.14	16.24	16.06								
3	16QAM	15	8	16.23	16.22	16.12								
3	256QAM	1	0	14.33	14.33	14.33	15.5	5						
3	256QAM	1	14	14.15	14.24	14.15								
3	256QAM	1	28	14.16	14.28	14.15								
3	256QAM	8	0	14.32	14.31	14.25	15.5	5						
3	256QAM	8	7	14.02	14.24	14.15								
3	256QAM	15	0	14.32	14.33	14.37								
3	256QAM	1	0	13.19	13.22	13.27								
Channel														
Frequency (MHz)														
14	QPSK	1	0	19.04	19.20	19.09	20.5	0						
14	QPSK	1	3	19.04	19.11	19.11								
14	QPSK	1	5	19.02	19.18	19.18								
14	QPSK	1	14	18.05	18.16	18.13	19.5	1						
14	QPSK	1	28	18.16	18.22	18.23								
14	QPSK	3	0	19.00	19.20	19.05								
14	QPSK	3	3	19.04	19.12	19.01	19.5	1						
14	QPSK	3	14	18.17	18.26	18.17								
14	QPSK	1	0	18.07	18.21	18.15								
14	16QAM	1	3	18.16	18.15	18.08	19.5	1						
14	16QAM	1	5	18.17	18.17	18.17								
14	16QAM	3	0	18.16	18.38	18.15								
14	16QAM	3	1	18.17	18.21	18.22	18.5	2						
14	16QAM	6	0	17.18	17.21	17.37								
14	16QAM	1	0	17.26	17.38	17.22								
14	16QAM	3	0	17.19	17.27	17.18	18.5	2						
14	16QAM	1	6	17.19	17.38	17.19								
14	16QAM	3	0	17.20	17.31	17.13								
14	16QAM	3	3	17.14	17.18	17.04	17.5	3						
14	16QAM	6	0	16.11	16.28	16.16								
14	16QAM	6	3	16.15	16.28	16.16								
14	256QAM	1	0	14.14	14.24	14.14	15.5	5						
14	256QAM	1	3	14.15	14.24	14.27								
14	256QAM	3	0	14.01	14.21	14.26								
14	256QAM	3	1	14.12	14.24	14.27	15.5	5						
14	256QAM	6	0	14.21	14.16	14.43								
14	256QAM	6	3	14.21	14.16	14.43								

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)				2510	2535	2560				
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	21	1.5		
20	16QAM	100	0	20.87	21.08	21.02				
20	64QAM	1	0	20.80	20.90	20.88	22	0.5		
20	64QAM	1	49	20.61	20.86	20.70				
20	64QAM	1	99	20.60	20.86	20.71				
20	64QAM	50	0	19.81	20.10	19.99	21	1.5		
20	64QAM	50	24	19.84	20.06	19.92				
20	64QAM	50	50	19.84	20.07	19.91				
20	64QAM	100	0	19.85	20.09	20.03	19	3.5		
20	256QAM	1	0	17.80	17.95	17.89				
20	256QAM	1	49	17.71	17.86	17.73				
20	256QAM	1	99	17.66	17.84	17.71	19	3.5		
20	256QAM	50	0	17.80	18.03	17.93				
20	256QAM	50	24	17.72	17.94	17.81				
20	256QAM	50	50	17.80	17.98	17.83	20	18.05		
20	256QAM	100	0	17.89	18.15	18.08				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
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	18.05		
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)		
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	20.61				
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	18.05		
Channel				20775	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)		
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	18.05		

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	21500					
Frequency (MHz)				2510	2535	2560					
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	20.76	20.63					
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				20825	21100	21375					
Frequency (MHz)				2507.5	2535	2562.5					
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	19	3.5			
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	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	20.85	21.15	21.09	22.5	0			
10	16QAM	1	0	21.18	21.30	21.13					
10	16QAM	1	25	21.11	21.15	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	Channel				
				20775	21100	21425					
Frequency (MHz)				2502.5	2535	2567.5					
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					



Band 2 Ant1_Other PA										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq 18000	Power Mid / Freq 18000	Power Hrb / Freq 18000	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	17.25	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	17.18	18.5	0		
20	QPSK	50	50	17.09	17.23	17.17				
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	17.21				
20	HQAM	50	24	17.12	17.20	17.05	18.5	0		
20	HQAM	50	50	17.19	17.24	17.17				
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	25QAM	1	0	17.19	17.25	17.17				
20	25QAM	1	49	17.08	17.18	17.13	18.5	0		
20	25QAM	1	99	17.12	17.18	17.14				
20	25QAM	50	25	17.20	17.25	17.18				
20	25QAM	50	50	17.04	17.18	17.08	18.5	0		
20	25QAM	50	50	17.15	17.26	17.12				
20	25QAM	100	0	17.15	17.26	17.12				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.97	17.00	16.92				
15	QPSK	1	37	17.07	17.27	17.12	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	16.98	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	17.18				
15	HQAM	36	20	16.99	17.06	16.99	18.5	0		
15	HQAM	36	39	17.11	17.11	17.09				
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	1	37	17.12	17.14	17.02				
15	HQAM	36	0	16.98	17.12	17.05				
15	HQAM	36	20	16.92	17.06	16.95	18.5	0		
15	HQAM	36	39	17.05	17.20	17.02				
15	HQAM	75	0	17.10	17.12	17.03				
15	25QAM	1	0	16.98	17.05	16.97				
15	25QAM	1	37	16.95	17.11	17.05	18.5	0		
15	25QAM	1	74	17.03	17.08	17.02				
15	25QAM	36	0	17.15	17.08	17.03				
15	25QAM	36	20	16.90	17.09	17.01	18.5	0		
15	25QAM	36	39	17.11	17.23	17.07				
15	25QAM	75	0	17.04	17.14	17.01				
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.01	17.23	17.12				
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	17.03	17.23	17.10				
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	25	12	17.00	17.08	17.01				
10	HQAM	50	0	16.87	17.07	16.95				
10	HQAM	1	0	17.06	17.16	17.08	18.5	0		
10	HQAM	1	25	17.02	17.15	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	17.02	17.10	17.02	18.5	0		
10	HQAM	25	25	17.09	17.23	17.10				
10	HQAM	50	0	17.10	17.12	17.05				
10	HQAM	1	0	17.11	17.11	17.01				
10	25QAM	1	25	16.99	17.12	17.00	18.5	0		
10	25QAM	1	49	17.06	17.10	17.10				
10	25QAM	25	0	17.05	17.14	17.01				
10	25QAM	25	12	16.99	17.10	17.04	18.5	0		
10	25QAM	25	25	17.00	17.22	17.02				
10	25QAM	50	0	17.05	17.17	17.02				
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.01	17.23	17.12				
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	17.03				
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	0	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				
5	HQAM	12	0	17.13	17.16	17.09	18.5	0		
5	HQAM	12	13	17.07	17.24	17.05				
5	HQAM	25	0	17.08	17.19	17.04				
5	25QAM	1	0	17.08	17.11	16.99				
5	25QAM	1	12	17.01	17.06	17.04	18.5	0		
5	25QAM	1	24	17.04	17.12	17.01				
5	25QAM	12	0	17.08	17.18	17.01				
5	25QAM	12	7	16.99	17.03	17.04	18.5	0		
5	25QAM	12	13	17.01	17.12	16.99				
5	25QAM	25	0	17.09	17.07	17.01				
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	17.18	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				
3	HQAM	1	6	17.08	17.15	17.13	18.5	0		
3	HQAM	14	0	17.15	17.15	17.06				
3	HQAM	8	0	17.11	17.26	17.16				
3	HQAM	8	4	16.98	17.08	16.99	18.5	0		
3	HQAM	8	7	17.13	17.13	17.05				
3	HQAM	16	0	16.94	17.05	16.98				
3	HQAM	1	0	17.07	17.15	17.01	18.5	0		
3	HQAM	6	0	17.06	17.13	17.02				
3	HQAM	1	14	16.96	17.09	17.03				
3	HQAM	8	4	17.07	17.21	17.14				
3	HQAM	8	7	17.08	17.17	17.02	18.5	0		
3	25QAM	1	0	17.15	17.17	16.97				
3	25QAM	1	6	16.94	17.11	17.01	18.5	0		
3	25QAM	6	4	16.92	17.07	16.97				
3	25QAM	6	7	17.04	17.12	17.04	18.5	0		
3	25QAM	16	0	17.05	17.13	17.02				
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	3	0	17.09	17.05	17.11				
1.4	QPSK	3	0	17.20	17.23	17.17				
1.4	QPSK	3	3	17.12	17.13	17.02				
1.4	QPSK	3	3	16.95	17.10	17.07				
1.4	QPSK	6	0	17.01	17.08	17.06	18.5	0		
1.4	QPSK	6	0	17.06	17.11	17.05				
1.4	HQAM	1	0	17.11	17.20	17.05				
1.4	HQAM	1	3	17.14	17.19	17.03	18.5	0		
1.4	HQAM	3	0	17.12	17.18	17.12				
1.4	HQAM	3	3	17.04	17.14	17.00				
1.4	HQAM	3	3	17.07	17.10	17.03	18.5	0		
1.4	HQAM	6	0	17.11	17.14	17.09				
1.4	HQAM	1	0	17.06	17.12	17.12				
1.4	HQAM	3	0	16.97	17.06	16.98	18.5	0		
1.4	HQAM	3	0	17.11	17.11	17.01				
1.4	HQAM	3	3	17.07	17.21	17.08				

Reduced Power Mode for Head_ENDC&ULCA

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									
Frequency (MHz)							20850	21100	21350
							2535	2535	2535
20	QPSK	1	0	18.54	18.73	18.69	19.5	0	
20	QPSK	1	49	18.29	18.40	18.30			
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	18.49	18.46			
20	QPSK	100	0	18.51	18.65	18.62			
20	16QAM	1	0	18.35	18.47	18.26			
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			
20	16QAM	50	50	18.34	18.54	18.54	19.5	0	
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			
20	64QAM	50	50	18.36	18.35	18.46	19.5	0	
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			
20	256QAM	50	50	17.83	18.01	17.87	19	0.5	
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			
15	16QAM	1	37	18.38	18.63	18.25	19.5	0	
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			
15	16QAM	36	39	18.29	18.54	18.45	19.5	0	
15	16QAM	75	0	18.24	18.47	18.31			
15	64QAM	1	0	18.52	18.66	18.56			
15	64QAM	1	37	18.58	18.61	18.68	19.5	0	
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			
15	64QAM	36	39	18.41	18.38	18.33	19.5	0	
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			
15	256QAM	36	39	17.73	17.86	17.83	19	0.5	
15	256QAM	75	0	17.78	18.09	18.04			
Channel							20890	21100	21400
Frequency (MHz)							2505	2535	2565
10	QPSK	1	0	18.40	18.66	18.64	19.5	0	
10	QPSK	1	25	18.34	18.28	18.32			
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			
10	16QAM	25	25	18.38	18.66	18.54	19.5	0	
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			
10	64QAM	25	25	18.41	18.36	18.40	19.5	0	
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			
10	256QAM	25	25	17.73	17.87	17.80	19	0.5	
10	256QAM	50	0	17.88	18.04	18.03			
Channel							20775	21100	21425
Frequency (MHz)							2522.5	2535	2527.5
5	QPSK	1	0	18.43	18.68	18.59	19.5	0	
5	QPSK	1	12	18.27	18.25	18.34			
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			
5	16QAM	12	13	18.41	18.41	18.38	19.5	0	
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			
5	64QAM	12	13	18.41	18.39	18.40	19.5	0	
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			
5	256QAM	12	13	17.72	17.86	17.82	19	0.5	
5	256QAM	25	0	17.78	18.05	18.04			

Band 7 Ant6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.		Power High Ch. / Freq.		Tune-up limit (dBm)	MPR (dB)	
				Channel	20850	21100	21350			
20	QPSK	1	0	Frequency (MHz)	2510	2535	2560	19.5	0	
20	QPSK	1	0		18.36	18.44	18.31			
20	QPSK	1	49		18.26	18.36	18.28			
20	QPSK	1	99		18.32	18.37	18.29	19.5	0	
20	QPSK	50	0		18.25	18.39	18.27			
20	QPSK	50	24		18.21	18.27	18.18			
20	QPSK	50	50		18.26	18.38	18.28	19.5	0	
20	QPSK	100	0		18.26	18.37	18.27			
20	16QAM	1	0		18.20	18.29	18.19			
20	16QAM	1	49		18.29	18.41	18.27	19.5	0	
20	16QAM	1	99		18.13	18.27	18.13			
20	16QAM	50	0		18.23	18.28	18.18			
20	16QAM	50	24		18.15	18.28	18.22	19.5	0	
20	16QAM	50	50		18.21	18.34	18.20			
20	16QAM	100	0		18.29	18.39	18.19			
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		17.55	17.62	17.57	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	18.18			
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	18.23	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	Channel	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20800	21100	21400				
				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	19.5	0	
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	18.18	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			

Band 2 Ant1_Other PA														
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tuning test (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	14.22	14.40	14.33								
20	QPSK	1	40	14.27	14.27	14.21	15.5	0						
20	QPSK	1	80	14.18	14.38	14.16								
20	QPSK	50	0	14.25	14.35	14.21								
20	QPSK	50	24	14.22	14.33	14.20	15.5	0						
20	QPSK	50	50	14.16	14.29	14.21								
20	QPSK	100	0	14.26	14.38	14.33								
20	HQDM	1	0	14.15	14.39	14.31								
20	HQDM	1	40	14.00	14.37	14.33	15.5	0						
20	HQDM	1	80	14.03	14.33	14.29								
20	HQDM	50	24	14.12	14.36	14.11	15.5	0						
20	HQDM	50	50	14.03	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	40	14.15	14.33	14.25	15.5	0						
20	HQDM	1	80	14.19	14.33	14.29								
20	HQDM	50	0	14.00	14.38	14.17								
20	HQDM	50	24	13.89	14.29	14.21	15.5	0						
20	HQDM	50	50	14.08	14.23	14.15								
20	HQDM	100	0	14.11	14.22	14.20								
20	ZSSBDM	1	40	14.16	14.32	14.22	15.5	0						
20	ZSSBDM	1	80	13.94	14.35	14.06								
20	ZSSBDM	50	24	14.12	14.35	14.12	15.5	0						
20	ZSSBDM	50	50	14.01	14.21	14.13								
20	ZSSBDM	100	0	14.00	14.26	14.14								
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	14.18								
15	QPSK	36	0	14.08	14.28	14.12								
15	QPSK	20	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	14.30								
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	14.37	14.20								
15	HQDM	36	0	14.01	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	14.18								
15	HQDM	36	0	13.91	14.34	14.11								
15	HQDM	36	20	14.07	14.26	14.15	15.5	0						
15	HQDM	36	36	14.01	14.12	14.05								
15	HQDM	75	0	14.07	14.12	14.13								
15	ZSSBDM	1	37	14.09	14.29	14.22	15.5	0						
15	ZSSBDM	1	74	13.87	14.26	14.00								
15	ZSSBDM	36	0	14.01	14.28	14.25								
15	ZSSBDM	36	20	14.10	14.29	14.20	15.5	0						
15	ZSSBDM	36	36	14.02	14.22	14.11								
15	ZSSBDM	75	0	14.00	14.23	14.09								
Channel														
Frequency (MHz)														
10	QPSK	1	0	13.95	14.30	14.30								
10	QPSK	1	25	14.02	14.18	14.18	15.5	0						
10	QPSK	1	40	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	14.21								
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	20	0	14.03	14.27	14.17								
10	HQDM	25	0	14.03	14.27	14.17								
10	HQDM	25	12	14.07	14.38	14.07	15.5	0						
10	HQDM	36	0	14.03	14.02	14.03								
10	HQDM	50	0	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	40	14.19	14.22	14.18								
10	HQDM	25	0	13.95	14.35	14.16								
10	HQDM	12	0	13.98	14.32	14.25	15.5	0						
10	HQDM	25	25	14.03	14.21	14.15								
10	HQDM	50	0	14.10	14.14	14.15								
10	ZSSBDM	1	25	13.95	14.35	14.16								
10	ZSSBDM	1	25	14.11	14.22	14.12	15.5	0						
10	ZSSBDM	1	40	13.90	14.26	13.98								
10	ZSSBDM	25	0	14.05	14.28	14.14								
10	ZSSBDM	25	12	14.09	14.28	14.30	15.5	0						
10	ZSSBDM	25	25	14.01	14.12	14.03								
10	ZSSBDM	50	0	14.00	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	14.18	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	0	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	0	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	0	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	ZSSBDM	1	0	14.06	14.31	14.30								
5	ZSSBDM	1	12	14.13	14.24	14.11	15.5	0						
5	ZSSBDM	1	24	13.94	14.32	14.04								
5	ZSSBDM	12	0	14.01	14.33	14.20								
5	ZSSBDM	12	7	14.06	14.25	14.30	15.5	0						
5	ZSSBDM	12	13	13.92	14.12	14.09								
5	ZSSBDM	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	8	0	14.01	14.26	14.19								
3	QPSK	8	8	14.08	14.27	14.18								
3	QPSK	8	8	14.07	14.33	14.20	15.5	0						
3	QPSK	15	0	13.91	14.38	14.33								
3	QPSK	15	0	13.99	14.36	14.23								
3	QPSK	1	0	14.16	14.34	14.23	15.5	0						
3	QPSK	1	8	14.12	14.34	14.31								
3	QPSK	1	14	14.04	14.31	14.30								
3	QPSK	8	0	13.88	14.26	14.16	15.5	0						
3	QPSK	8	8	14.12	14.33	14.31								
3	QPSK	8	8	14.01	14.11	14.10								
3	QPSK	15	0	14.03	14.37	14.22								
3	QPSK	15	0	14.02	14.27	14.18	15.5	0						
3	HQDM	1	8	14.12	14.27	14.22								
3	HQDM	1	14	14.17	14.22	14.22	15.5	0						
3	HQDM	8	0	14.00	14.34	14.30								
3	HQDM	8	8	13.86	14.21	14.25								
3	HQDM	15	0	14.16	14.38	14.29								
3	HQDM	15	0	14.08	14.21	14.19	15.5	0						
3	ZSSBDM	1	0	14.07	14.33	14.23								
3	ZSSBDM	1	8	14.01	14.27	14.17	15.5	0						
3	ZSSBDM	1	14	13.95	14.31	14.07								
3	ZSSBDM	8	0	14.08	14.39	14.18								
3	ZSSBDM	8	8	14.04	14.35	14.33	15.5	0						
3	ZSSBDM	8	8	13.90	14.13	14.09								
3	ZSSBDM	15	0	13.90	14.16	14.12								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	13.98	14.34	14.25								
1.4	QPSK	1	8	14.00	14.22	14.20	15.5	0						
1.4	QPSK	8	0	14.05	14.37	14.15								
1.4	QPSK	8	8	14.09	14.35	14.12								
1.4	QPSK	15	0	13.91	14.37	14.31								
1.4	QPSK	15	0	13.91	14.28	14.15	15.5	0						
1.4	QPSK	6	0	13.93	14.37	14.34	15.5	0						
1.4	QPSK	6	8	14.02	14.33	14.26								
1.4	QPSK	3	0	13.93	14.26	14.14								
1.4	HQDM	1	8	13.97	14.32	14.26	15.5	0						
1.4	HQDM	3	0	14.17	14.38	14.32								
1.4	HQDM	3	8	14.12	14.30	14.03								
1.4	HQDM	3	8	14.02	14.09	14.07	15.5	0						
1.4	HQDM	1	0	13.92	14.22	14.08								
1.4	HQDM	1	8	14.11	14.31	14.21								
1.4	HQDM	3	0	14.19	14.29	14.14	15.5	0						
1.4	HQDM	3	8	13.87	14.28	14.22								
1.4	HQDM	3	8	14.07	14.14	14.11								
1.4	HQDM	6	0	14.03	14.14	14.21	15.5	0						

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 Amd			Tune-up Limit (dBm)	WCDMA 1 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	
IGPP 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
IGPP 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
IGPP Rel 6												
IGPP Rel 6	HSDPA Subtest-1	19.63	19.64	19.54	20.50	20.53	20.53	20.42	21.50	21.91	22.12	23.00
IGPP Rel 6	HSDPA Subtest-2	19.47	19.50	19.38	20.50	20.67	20.72	20.53	21.50	22.00	22.05	23.00
IGPP Rel 6	HSDPA Subtest-3	19.04	19.11	18.99	20.00	20.11	20.19	19.94	21.00	21.38	21.52	22.50
IGPP Rel 6	HSDPA Subtest-4	18.95	19.01	18.95	20.00	20.03	20.10	19.98	21.00	21.53	21.51	22.50
IGPP Rel 6	HSPA Subtest-1	19.57	19.52	19.36	20.50	20.55	20.51	20.39	21.50	22.00	22.09	23.00
IGPP Rel 6	HSPA Subtest-2	17.53	17.41	17.38	18.50	18.54	18.51	18.36	19.50	20.04	19.98	21.00
IGPP Rel 6	HSPA Subtest-3	18.39	18.47	18.49	19.50	19.44	19.54	19.49	20.50	20.98	21.10	22.00
IGPP Rel 6	HSPA Subtest-4	17.45	17.53	17.47	18.50	18.54	18.59	18.48	19.50	19.97	19.96	21.00
IGPP Rel 6	HSPA Subtest-5	19.44	19.52	19.45	20.50	20.51	20.54	20.54	21.50	21.85	22.09	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)	MFR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	20.86	21.00	20.83	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	20.02	19.79							
20	QPSK	50	24	19.87	19.88	19.81	21.5	1					
20	QPSK	50	50	19.80	19.86	19.81							
20	QPSK	100	0	18.73	18.86	18.80							
20	16QAM	50	0	20.08	20.15	20.11							
20	16QAM	1	49	20.23	20.18	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	19.92	19.91							
20	16QAM	50	50	19.86	19.94	19.86	20.5	2					
20	16QAM	100	0	19.77	19.91	19.82							
20	16QAM	1	0	19.07	19.11	19.09							
20	16QAM	1	49	19.18	19.00	19.09							
20	16QAM	50	0	19.95	19.98	19.95	19.5	3					
20	16QAM	50	24	17.94	17.80	17.83							
20	16QAM	100	0	17.93	17.79	17.81							
20	16QAM	1	0	15.96	16.04	15.94							
20	16QAM	1	49	16.08	15.97	16.00	17.5	5					
20	256QAM	1	99	16.08	15.88	15.86							
20	256QAM	50	0	15.84	15.90	15.89							
20	256QAM	50	24	16.04	15.97	16.06							
20	256QAM	50	50	15.86	15.99	15.83	17.5	5					
20	256QAM	100	0	15.81	15.89	15.81							
Channel													
Frequency (MHz)													
18	QPSK	1	0	20.78	20.87	20.73	22.5	0					
18	QPSK	1	37	20.84	20.83	20.82							
18	QPSK	1	74	20.73	20.90	20.73							
18	QPSK	36	0	19.89	19.83	19.89							
18	QPSK	36	36	19.72	19.88	19.83	21.5	1					
18	QPSK	36	39	19.65	19.71	19.61							
18	QPSK	75	0	19.08	19.06	19.01							
18	16QAM	1	0	20.04	20.12	19.91							
18	16QAM	1	37	20.11	20.00	19.93	21.5	1					
18	16QAM	1	74	20.08	19.98	19.93							
18	16QAM	36	0	18.91	18.75	18.89							
18	16QAM	36	39	18.87	18.91	18.90							
18	16QAM	36	75	18.80	18.78	18.80	20.5	2					
18	16QAM	75	0	18.00	18.00	18.00							
18	16QAM	1	0	19.02	18.95	19.03							
18	16QAM	1	37	19.13	18.97	19.06							
18	16QAM	1	74	18.99	19.01	19.13	19.5	3					
18	16QAM	36	0	17.82	17.80	17.82							
18	16QAM	36	39	17.81	17.74	17.69							
18	16QAM	36	75	17.80	17.78	17.78							
18	16QAM	75	0	17.80	17.78	17.78	17.5	5					
18	256QAM	1	0	15.86	15.86	15.85							
18	256QAM	1	37	15.82	15.90	15.90							
18	256QAM	1	74	16.08	15.86	15.73							
18	256QAM	36	0	15.82	15.98	15.98	17.5	5					
18	256QAM	36	39	15.85	15.74	15.89							
18	256QAM	36	75	15.82	15.81	15.69							
18	256QAM	75	0	15.77	15.76	15.76							
Channel													
Frequency (MHz)													
18	QPSK	1	0	20.78	20.90	20.83	22.5	0					
18	QPSK	1	25	20.79	20.80	20.77							
18	QPSK	1	49	20.53	20.79	20.85							
18	QPSK	1	74	20.42	20.74	20.76							
18	QPSK	25	12	19.71	19.97	19.81	21.5	1					
18	QPSK	25	25	19.71	19.87	19.81							
18	QPSK	25	38	19.62	19.86	19.81							
18	QPSK	75	0	19.09	19.05	19.12							
18	16QAM	1	0	19.89	19.96	20.12	21.5	1					
18	16QAM	1	25	20.05	20.16	19.91							
18	16QAM	1	49	20.00	19.78	19.81							
18	16QAM	25	0	19.76	19.82	19.99							
18	16QAM	25	12	18.85	19.04	18.85	20.5	2					
18	16QAM	25	25	18.80	18.80	18.87							
18	16QAM	50	0	18.73	18.82	18.59							
18	16QAM	1	0	19.01	19.08	18.96							
18	16QAM	1	24	19.10	19.07	19.07	20.5	2					
18	16QAM	1	49	18.75	19.05	18.99							
18	16QAM	25	0	17.76	17.78	17.70							
18	16QAM	25	12	17.68	17.73	17.70							
18	16QAM	25	25	17.57	17.62	17.66	19.5	3					
18	16QAM	50	0	17.81	17.63	17.63							
18	256QAM	1	0	15.86	15.86	15.85							
18	256QAM	1	25	15.72	15.83	15.86							
18	256QAM	1	49	15.97	15.87	15.81	17.5	5					
18	256QAM	25	0	15.75	15.80	15.85							
18	256QAM	25	12	15.82	15.71	15.96							
18	256QAM	25	25	15.80	15.96	15.78							
18	256QAM	50	0	15.80	15.82	15.80	17.5	5					
18	256QAM	50	0	18.25	18.99	19.075							
Channel													
Frequency (MHz)													
5	QPSK	1	0	20.73	20.90	20.80	22.5	0					
5	QPSK	1	12	20.70	20.93	20.70							
5	QPSK	1	24	20.62	20.74	20.76							
5	QPSK	12	0	19.68	19.68	19.67							
5	QPSK	12	7	19.84	19.83	19.79	21.5	1					
5	QPSK	12	13	19.79	19.82	19.65							
5	QPSK	25	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	18.81	18.80	18.87							
5	16QAM	12	7	18.67	18.89	19.02							
5	16QAM	12	13	18.67	18.80	18.81	20.5	2					
5	16QAM	25	0	18.79	18.83	18.62							
5	16QAM	1	0	19.08	19.		20.5	2					
5	16QAM	1	12	19.07	18.99	19.07							
5	16QAM	1	24	18.80	19.09	18.99							
5	16QAM	12	7	17.66	17.71	17.68							
5	16QAM	12	13	17.75	17.68	17.62	19.5	3					
5	16QAM	12	19	17.49	17.60	17.60							
5	256QAM	1	0	15.83	15.83	15.83							
5	256QAM	1	12	15.83	15.76	15.82							
5	256QAM	1	24	15.83	15.80	15.80	17.5	5					
5	256QAM	12	0	15.83	15.86	15.86							
5	256QAM	12	7	15.90	15.87	15.96							
5	256QAM	12	13	15.86	15.84	15.74							
5	256QAM	25	0	15.75	15.82	15.88	17.5	5					
5	256QAM	25	0	18.25	18.99	19.075							
Channel													
Frequency (MHz)													
3	QPSK	1	0	20.79	21.02	20.84	22.5	0					
3	QPSK	1	8	20.71	20.80	20.80							
3	QPSK	1	24	20.61	20.74	20.76							
3	QPSK	8	0	19.82	19.86	19.81							
3	QPSK	8	4	19.84	19.80	19.73	21.5	1					
3	QPSK	8	8	19.82	19.82	19.82							
3	QPSK	15	0	19.59	19.88	19.64							
3	16QAM	1	0	20.01	20.11	19.99							
3	16QAM	1	8	20.15	20.00	20.00	21.5	1					
3	16QAM	1	14	19.91	19.78	19.95							
3	16QAM	8	0	19.80	19.80	19.91							
3	16QAM	8	4	19.82	19.82	19.82							
3	16QAM	8	7	19.66	19.86	19.81	20.5	2					
3	16QAM	15	0	18.71	18.89	18.76							
3	16QAM	15	8	18.84	19.11	18.98							
3	16QAM	1	8	19.00	19.81	19.86							
3	16QAM	8	14	18.96	19.01	19.01	20.5	2					
3	16QAM	8	7	17.79	19.01	17.79							
3	16QAM	8	4	17.74	17.80	17.83							
3	16QAM	15	0	17.87	17.80	17.84							
3	16QAM	15	0	17.81	17.81	17.62	19.5	3					
3	256QAM	1	0	15.83	15.83	15.83							
3	256QAM	1	8	15.83	15.81	15.81							
3	256QAM	1	14	15.90	15.72	15.70							
3	256QAM	8	0	15.76	16.00	15.88	17.5	5					
3	256QAM	8	4	15.82	15.82	15.82							
3	256QAM	8	7	15.85	15.83	15.73							
3	256QAM	15	0	15.71	15.71	15.78							
Channel													
Frequency (MHz)													
1.8	QPSK	1	0	20.77	20.88	20.88	22.5	0					
1.8	QPSK	1	8	20.69	20.86	20.86							
1.8	QPSK	1	20	20.75	20.86	20.81							
1.8	QPSK	3	0	20.65	20.85	20.82							
1.8	QPSK	3	3	20.64	20.81	20.81	21.5	1					
1.8	QPSK	3	8	20.81	20.75	20.68							
1.8	QPSK	6	0	19.60	19.71	19.70							
1.8	QPSK	6	3	19.67	19.67	19.67							
1.8	16QAM	1	0	20.07	20.04	20.04	21.5	1					
1.8	16QAM	1	3	20.18	20.10	20.14							
1.8	16QAM	1	5	20.01	19.81	19.97							
1.8	16QAM	3	0	19.87	19.87	19.87							
1.8	16QAM	3	3	19.75	19.94	19.74	20.5	2					
1.8	16QAM	6	0	18.89	19.08	19.05							
1.8	16QAM	1	3	19.82	19.87	19.87							
1.8	16QAM	3	0	18.82	19.89	18.87							
1.8	16QAM	3	1	18.84	18.72	18.90	20.5	2					
1.8	16QAM	6	0	18.82	18.82	18.82							
1.8	16QAM	6	3	18.81	18.73	18.86							
1.8	16QAM	6	0	17.79	17.60	17.65							
1.8	16QAM	1	0	15.82	15.82	15.88	17.5	5					

Band 25 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 20145	Power Middle Ch / Freq. 20145	Power High Ch / Freq. 20145	Time-up (ms)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.08	21.10	21.00	22.5	0			
20	QPSK	1	49	20.88	21.13	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	19.96	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	19.08	19.21	20.5	2			
20	64QAM	1	99	19.12	19.20	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	17.93	17.99	17.92					
20	256QAM	1	49	18.16	18.32	18.21	17.5	5			
20	256QAM	1	99	18.10	18.25	18.03					
20	256QAM	50	0	18.00	18.14	18.17					
20	256QAM	50	24	18.09	18.10	18.02	17.5	5			
20	256QAM	50	50	18.93	18.05	18.99					
20	256QAM	100	0	18.07	18.04	18.04					
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	20.80	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	19.89	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	20.02	20.00	19.98	20.5	2			
15	16QAM	36	0	18.82	18.99	18.98					
15	16QAM	36	18	18.77	18.88	18.87					
15	16QAM	36	36	18.96	18.97	19.00	19.5	3			
15	16QAM	75	0	18.71	18.80	18.99					
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	18.96	18.92	18.14	17.5	5			
15	256QAM	1	37	18.97	18.11	18.94					
15	256QAM	1	74	18.01	18.09	18.15					
15	256QAM	36	0	18.86	18.91	18.98	17.5	5			
15	256QAM	36	18	18.08	18.90	18.94					
15	256QAM	36	36	18.88	18.85	18.76					
15	256QAM	75	0	18.91	18.87	18.63					
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	20.87					
10	QPSK	25	0	19.86	20.12	19.89	21.5	1			
10	QPSK	25	12	19.75	19.89	19.89					
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	18.93	18.90	18.98					
10	16QAM	25	12	18.69	19.14	18.89					
10	16QAM	25	25	18.90	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	19.00	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	18.21	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	18.97	18.20	18.13	17.5	5			
10	256QAM	1	25	18.11	18.20	18.83					
10	256QAM	1	49	18.90	18.21	18.10					
10	256QAM	25	0	18.63	18.90	18.94	17.5	5			
10	256QAM	25	12	18.99	18.78	18.79					
10	256QAM	25	25	18.70	18.78	18.78					
10	256QAM	50	0	18.02	18.80	18.78					
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	13	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	18.98	19.09	19.5	3			
5	64QAM	1	24	19.06	19.17	18.94					
5	64QAM	12	0	18.02	17.81	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	18.04	18.12	18.18	17.5	5			
5	256QAM	1	12	18.92	18.21	18.90					
5	256QAM	1	24	18.01	18.10	18.97					
5	256QAM	12	0	18.01	18.90	18.81	17.5	5			
5	256QAM	12	7	18.00	18.90	18.99					
5	256QAM	12	13	18.42	18.78	18.67					
5	256QAM	25	0	18.94	18.80	18.80					
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	8	0	19.85	20.10	20.00	21.5	1			
3	QPSK	8	4	19.82	19.86	19.80					
3	QPSK	8	7	19.86	20.01	19.99					
3	QPSK	15	0	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	8	0	18.86	18.98	19.08					
3	16QAM	8	4	18.88	19.04	19.03					
3	16QAM	8	7	18.93	18.86	18.80	20.5	2			
3	16QAM	15	0	18.81	18.90	19.06					
3	64QAM	1	0	19.06	19.02	19.23					
3	64QAM	1	8	18.86	18.92	19.15	20.5	2			
3	64QAM	1	14	19.03	19.13	19.34					
3	64QAM	8	0	18.06	18.06	18.04					
3	64QAM	8	4	17.88	18.16	17.79	19.5	3			
3	64QAM	8	7	18.05	18.05	18.05					
3	64QAM	15	0	17.83	17.83	17.81					
3	256QAM	1	0	18.12	18.12	18.40	17.5	5			
3	256QAM	1	8	18.27	18.18	18.37					
3	256QAM	1	14	18.96	18.24	18.05					
3	256QAM	8	0	18.05	18.15	18.96	17.5	5			
3	256QAM	8	4	18.03	18.30	18.94					
3	256QAM	8	7	18.91	18.80	18.76					
3	256QAM	15	0	18.94	18.80	18.71					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	21.00	20.97	20.98	22.5	0			
1.4	QPSK	1	8	21.02	21.00	20.97					
1.4	QPSK	1	16	21.02	20.77	20.81					
1.4	QPSK	3	0	20.98	21.08	20.97	21.5	1			
1.4	QPSK	3	8	20.97	20.78	20.84					
1.4	QPSK	3	16	20.89	20.90	20.92					
1.4	QPSK	3	24	20.89	20.90	20.92	21.5	1			
1.4	QPSK	3	32	20.89	20.90	20.92					
1.4	QPSK	3	40	20.89	20.90	20.92					
1.4	QPSK	3	48	20.89	20.90	20.92	21.5	1			
1.4	QPSK	3	56	20.89	20.90	20.92					
1.4	QPSK	3	64	20.89	20.90	20.92					
1.4	QPSK	3	72	20.89	20.90	20.92	21.5	1			
1.4	QPSK	3	80	20.89	20.90	20.92					
1.4	QPSK	3	88	20.89	20.90	20.92					
1.4	QPSK	3	96	20.89	20.90	20.92	21.5	1			
1.4	QPSK	3	104	20.89	20.90	20.92					
1.4	QPSK	3	112	20.89	20.90	20.92					
1.4	QPSK	3	120	20.89	20.90	20.92	21.5	1			
1.4	QPSK	3	128	20.89	20.90	20.92					
1.4	QPSK	3	136	20.89	20.90	20.92					
1.4	QPSK	3	144	20.89	20.90	20.92	21.5	1			
1.4	QPSK	3	152	20.89	20.90	20.92					
1.4	QPSK	3	160	20.89	20.90	20.92					
1.4	QPSK	3	168	20.89	20.90	20.92	21.5	1			
1.4											

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	19.63	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	19.76	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	19	2	
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	38200	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	19.48	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 Lower Ch. / Freq.	Power Middle Ch. / Freq.	Power Higher 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	22.68			
20	256QAM	100	0	22.65	22.72	22.61	24	0	
20	256QAM	1	0	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			
20	256QAM	50	0	20.82	20.90	20.87	22	2	
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			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.71	22.79	22.77	24	0	
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	22.62			
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	20.62			
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	22.84	22.77			
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	22.71	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	19.60	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	19.74	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	19.87	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	21	0
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	17.38	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	2637.7	2682.5		
15	QPSK	1	0	19.53	19.40	19.96	19.56	19.58	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	19.55	19.50	19.51	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	19.57	19.53	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	17.38	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	17.53	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	21.00	0
10	QPSK	1	25	19.57	19.48	19.59	19.46	19.43		
10	QPSK	1	49	19.47	19.45	19.59	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	64QAM	1	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)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.56	19.46	19.78	19.53	19.56	21.00	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	19.89	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	19.89	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	19.87	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	17.55	17.47	17.59	19	2
5	256QAM	12	7	17.59	17.26	17.37	17.47	17.45		
5	256QAM	12	13	17.42	17.37	17.54	17.40	17.29		
5	256QAM	25	0	17.42	17.52	17.55	17.38	17.49		

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	17.87	17.74	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			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
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				20830	21100	21400			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
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			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
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	22.5	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	22.78	22.58	23.5	0						
20	HQAM	50	0	21.98	22.02	21.99								
20	HQAM	50	24	21.89	21.96	21.94								
20	HQAM	50	50	21.85	21.98	21.93								
20	HQAM	100	0	21.94	21.83	21.87	20.5	3						
20	25QAM	1	0	19.43	19.43	19.42								
20	25QAM	1	40	19.43	19.53	19.42								
20	25QAM	1	56	19.45	19.54	19.48								
20	25QAM	36	0	19.83	19.86	19.87	20.5	3						
20	25QAM	36	24	19.86	19.92	19.87								
20	25QAM	50	24	19.84	19.94	19.89								
20	25QAM	100	0	19.82	19.92	19.87								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.49	22.78	22.62	23.5	0						
15	QPSK	1	37	22.62	22.63	22.61								
15	QPSK	1	74	22.49	22.65	22.44								
15	QPSK	36	0	22.53	22.72	22.66								
15	QPSK	36	24	22.60	22.62	22.60	23.5	0						
15	QPSK	36	36	22.52	22.63	22.51								
15	QPSK	75	0	22.43	22.77	22.59								
15	QPSK	75	0	22.43	22.63	22.64								
15	HQAM	1	37	22.56	22.74	22.50	23.5	0						
15	HQAM	1	74	22.44	22.63	22.61								
15	HQAM	36	0	22.77	22.90	22.91								
15	HQAM	36	20	22.79	22.82	22.81								
15	HQAM	36	36	22.77	22.81	22.81	23.5	0						
15	HQAM	75	0	22.72	22.95	22.88								
15	HQAM	1	0	22.76	22.76	22.77								
15	HQAM	1	40	22.63	22.78	22.68								
15	HQAM	1	74	22.50	22.64	22.65	22.5	1						
15	HQAM	36	0	21.94	21.90	21.94								
15	HQAM	36	20	21.83	21.84	21.86								
15	HQAM	36	36	21.90	21.94	21.95								
15	HQAM	75	0	21.71	21.74	21.82	20.5	3						
15	25QAM	1	0	19.41	19.42	19.42								
15	25QAM	1	37	19.53	19.41	19.28								
15	25QAM	1	74	19.56	19.48	19.43								
15	25QAM	36	0	19.73	19.80	19.78	20.5	3						
15	25QAM	36	20	19.81	19.87	19.84								
15	25QAM	36	36	19.78	19.89	19.80								
15	25QAM	75	0	19.66	19.86	19.87								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.47	22.71	22.49	23.5	0						
10	QPSK	1	25	22.53	22.70	22.55								
10	QPSK	1	49	22.58	22.54	22.49								
10	QPSK	25	0	22.64	22.68	22.68								
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	49	22.67	22.60	22.67								
10	HQAM	25	0	22.58	22.93	22.92								
10	HQAM	25	12	22.63	22.77	22.80								
10	HQAM	25	36	22.68	22.80	22.64	23.5	0						
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								
10	HQAM	1	49	22.59	22.64	22.63	22.5	1						
10	HQAM	25	0	21.89	21.94	21.95								
10	HQAM	25	12	21.77	21.90	21.76								
10	HQAM	25	25	21.83	21.93	21.87								
10	HQAM	50	0	21.66	21.81	21.77	20.5	3						
10	25QAM	1	0	19.36	19.55	19.48								
10	25QAM	1	25	19.34	19.39	19.28								
10	25QAM	1	49	19.33	19.47	19.45								
10	25QAM	15	0	19.82	19.85	19.78	20.5	3						
10	25QAM	15	12	19.82	19.80	19.75								
10	25QAM	25	25	19.75	19.80	19.79								
10	25QAM	50	0	19.75	19.85	19.83								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.53	22.71	22.59	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	22.56	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	22.57	22.68	22.67	23.5	0						
5	HQAM	1	24	22.46	22.68	22.50								
5	HQAM	12	0	22.84	22.92	22.90								
5	HQAM	12	7	22.80	22.79	22.84								
5	HQAM	12	13	22.74	22.86	22.65	23.5	0						
5	HQAM	25	0	22.72	22.98	22.91								
5	HQAM	25	12	22.79	22.88	22.71								
5	HQAM	1	12	22.58	22.81	22.62								
5	HQAM	1	24	22.65	22.72	22.64	22.5	1						
5	HQAM	12	0	21.88	21.98	21.98								
5	HQAM	12	7	21.76	21.81	21.87								
5	HQAM	12	13	21.79	21.84	21.80								
5	25QAM	1	0	19.40	19.54	19.48	20.5	3						
5	25QAM	1	12	19.42	19.49	19.43								
5	25QAM	1	24	19.40	19.50	19.44								
5	25QAM	12	0	19.75	19.82	19.74								
5	25QAM	12	7	19.76	19.79	19.75								
5	25QAM	12	13	19.70	19.80	19.75								
5	25QAM	25	0	19.76	19.85	19.83	20.5	3						
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.49	22.73	22.57			23.5	0				
3	QPSK	1	12	22.52	22.72	22.51								
3	QPSK	1	14	22.50	22.69	22.49								
3	QPSK	8	0	22.49	22.69	22.61								
3	QPSK	8	0	22.57	22.60	22.48	23.5	0						
3	QPSK	16	0	22.55	22.75	22.56								
3	QPSK	16	0	22.56	22.69	22.70								
3	HQAM	8	0	22.59	22.73	22.53								
3	HQAM	1	14	22.52	22.59	22.59	23.5	0						
3	HQAM	1	14	22.50	22.57	22.64								
3	HQAM	8	4	22.79	22.87	22.85								
3	HQAM	8	4	22.79	22.87	22.87								
3	HQAM	8	4	22.81	22.85	21.73	22.5	1						
3	HQAM	16	0	21.75	21.82	21.73								
3	HQAM	16	0	21.75	21.84	21.75								
3	HQAM	16	0	21.75	21.78	21.78								
3	25QAM	1	0	19.41	19.59	19.45	20.5	3						
3	25QAM	1	12	19.41	19.49	19.41								
3	25QAM	1	14	19.35	19.43	19.38								
3	25QAM	1	14	19.35	19.43	19.38								
3	25QAM	8	4	19.43	19.52	19.43								
3	25QAM	8	4	19.40	19.50	19.43								
3	25QAM	8	4	19.37	19.48	19.42	20.5	3						
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47	20.5	3						
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47	20.5	3						
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47	20.5	3						
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47	20.5	3						
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM	8	4	19.37	19.48	19.47	20.5	3						
3	25QAM	8	4	19.37	19.48	19.47								
3	25QAM													

Reduced Power Mode for Body-worn&Handheld

GSM900 Amd TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	126	186	261		126	186	261	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
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 Amd TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1500.2	1500.0	1500.4		1500.2	1500.0	1500.4	
GSM 1 Tx slot	24.34	24.98	24.80	26.00	15.84	15.99	15.90	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	18.53	18.66	18.46	20.00
GPRS 3 Tx slots	24.23	24.38	24.28	25.50	19.97	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 TX Channel	WCDMA II Amd			Tune-up Limit (dBm)	WCDMA IV Amd			Tune-up Limit (dBm)	WCDMA V Amd			Tune-up Limit (dBm)
	9262	9600	9538		1312	1413	1513		4132	4162	4233	
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4488	
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	17.50	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. 187500	Power Mid Ch./Freq. 190000	Power High Ch./Freq. 192500	Turnup time (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.09	20.12	19.88	21.5	0						
20	QPSK	1	49	20.07	20.07	19.82								
20	QPSK	1	99	19.92	19.91	19.91								
20	QPSK	50	0	19.00	19.04	19.84								
20	QPSK	50	24	18.77	19.05	19.84	20.5	1						
20	QPSK	50	50	19.75	19.82	19.75								
20	QPSK	100	0	18.68	18.62	18.88								
20	16QAM	1	0	19.05	19.18	19.18								
20	16QAM	1	49	19.09	19.10	19.10	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	18.09	18.10	19.5	2						
20	16QAM	100	0	17.82	17.89	17.90								
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	18.84	18.5	3						
20	64QAM	50	24	16.90	17.02	18.83								
20	64QAM	50	50	16.91	17.00	18.83								
20	64QAM	100	0	16.07	16.96	18.80								
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	14.90	14.90								
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	19.07	19.08	19.07								
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	17.83	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)														
18	QPSK	1	0	20.09	19.97	19.95	21.5	0						
18	QPSK	1	25	19.98	20.02	19.97								
18	QPSK	1	49	19.83	19.79	19.77								
18	QPSK	25	0	19.48	19.49	19.48								
18	QPSK	25	12	19.71	19.82	19.71	20.5	1						
18	QPSK	25	25	19.72	19.85	19.70								
18	QPSK	50	0	18.97	18.97	19.82								
18	16QAM	1	0	19.03	19.12	19.09								
18	16QAM	1	25	19.08	19.15	19.04	20.5	1						
18	16QAM	1	49	19.07	19.08	19.07								
18	16QAM	25	0	17.81	18.01	18.02								
18	16QAM	25	12	17.80	17.83	17.87								
18	16QAM	36	0	17.80	18.04	18.02	19.5	2						
18	16QAM	50	0	17.68	17.91	17.79								
18	64QAM	1	0	17.85	18.24	18.10								
18	64QAM	1	25	17.85	18.07	18.03								
18	64QAM	1	49	17.99	18.04	18.05	18.5	3						
18	64QAM	25	0	16.88	16.92	16.77								
18	64QAM	25	12	16.88	16.90	16.87								
18	64QAM	25	25	16.91	16.85	16.87								
18	64QAM	50	0	16.92	16.90	16.89	16.5	5						
18	256QAM	1	0	14.95	14.95	14.95								
18	256QAM	1	25	14.85	14.90	14.87								
18	256QAM	1	49	14.89	14.95	14.85								
18	256QAM	25	0	14.92	14.90	14.88								
18	256QAM	25	12	14.85	14.79	14.96	16.5	5						
18	256QAM	25	25	14.90	14.89	14.88								
18	256QAM	50	0	14.75	14.82	14.85								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.02	20.00	19.80	21.5	0						
5	QPSK	1	12	19.98	20.02	19.73								
5	QPSK	1	24	19.78	19.86	19.74								
5	QPSK	12	0	19.82	19.82	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	19.83								
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	17.90	17.87	19.5	2						
5	64QAM	25	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						
5	256QAM	12	7	14.90	14.83	14.86								
5	256QAM	12	13	14.92	14.88	14.83								
5	256QAM	25	0	14.84	14.90	14.90								
Channel														
Frequency (MHz)														
3	QPSK	1	0	20.06	19.98	19.73	21.5	0						
3	QPSK	1	8	19.93	20.03	19.78								
3	QPSK	1	16	19.80	19.90	19.73								
3	QPSK	8	0	19.86	19.95	19.70								
3	QPSK	8	4	18.72	18.87	18.71	20.5	1						
3	QPSK	8	12	18.88	18.99	18.71								
3	QPSK	16	0	18.56	18.77	18.74								
3	QPSK	1	0	19.80	19.14	19.09								
3	QPSK	1	8	19.87	19.09	19.05	20.5	1						
3	QPSK	1	16	19.89	19.06	19.05								
3	16QAM	1	14	18.97	19.05	19.10								
3	16QAM	1	8	18.96	19.04	19.09								
3	16QAM	8	0	17.85	17.99	17.99	19.5	2						
3	16QAM	8	4	17.85	17.91	17.83								
3	16QAM	8	8	17.87	17.85	17.85								
3	16QAM	8	12	17.89	17.87	17.87								
3	16QAM	8	16	17.85	18.21	18.00	19.5	2						
3	64QAM	1	8	18.05	18.01	18.15								
3	64QAM	1	16	18.05	18.03	18.13								
3	64QAM	8	0	16.85	16.93	16.77								
3	64QAM	8	4	16.77	16.97	16.88	18.5	3						
3	64QAM	8	8	16.77	16.97	16.88								
3	64QAM	8	12	16.80	16.88	16.83								
3	64QAM	8	16	16.83	16.87	16.75								
3	256QAM	1	0	14.95	15.01	14.88	16.5	5						
3	256QAM	1	8	14.92	14.92	14.83								
3	256QAM	1	16	14.93	14.93	14.83								
3	256QAM	1	14	14.91	14.91	14.80								
3	256QAM	8	0	14.80	14.80	14.80	16.5	5						
3	256QAM	8	4	14.82	14.82	14.80								
3	256QAM	8	8	14.83	14.84	14.83								
3	256QAM	8	12	14.83	14.90	14.83								
3	256QAM	15	0	14.74	14.80	14.80	16.5	5						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	20.04	20.03	19.78			21.5	0				
1.4	QPSK	1	8	19.95	20.05	19.83								
1.4	QPSK	1	16	19.87	19.78	19.74								
1.4	QPSK	3	0	19.93	19.98	19.83								
1.4	QPSK	3	8	19.98	19.87	19.83	20.5	1						
1.4	QPSK	3	16	19.79	19.92	19.78								
1.4	QPSK	1	0	19.97	19.07	19.79								
1.4	QPSK	1	8	19.96	19.06	19.06								
1.4	QPSK	1	16	19.90	19.00	19.00	20.5	1						
1.4	QPSK	3	0	19.90	18.89	18.89								
1.4	QPSK	3	8	19.89	19.07	19.05								
1.4	QPSK	3	16	19.89	19.06	19.06								
1.4	16QAM	1	0	19.97	19.97	19.79	19.5	2						
1.4	16QAM	1	8	19.96	19.96	19.79								
1.4	16QAM	1	16	19.96	19.96	19.79								
1.4	16QAM	3	0	17.84	18.20	18.00								
1.4	16QAM	3	8	17.85	18.24	18.04	19.5	2						
1.4	16QAM	3	16	17.84	18.24									

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												
26145 26349 26543												
20	QPSK	1	0	20.14	20.20	20.00	21.5	0				
20	QPSK	1	49	19.92	19.93	19.88						
20	QPSK	1	99	19.87	19.94	19.97						
20	QPSK	50	0	19.06	19.11	19.01	20.5	1				
20	QPSK	50	24	19.06	19.04	19.92						
20	QPSK	50	50	19.90	19.09	19.04						
20	QPSK	100	0	19.93	19.02	19.94	20.5	1				
20	16QAM	1	0	19.20	19.25	19.27						
20	16QAM	1	49	19.14	19.20	19.09						
20	16QAM	1	99	19.10	19.22	19.14	19.5	2				
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	3				
20	16QAM	100	0	17.90	17.94	18.09						
20	16QAM	1	0	19.19	19.20	19.23						
20	16QAM	1	49	17.99	19.09	19.19	19.5	2				
20	16QAM	1	99	19.14	19.09	17.95						
20	16QAM	50	0	17.97	17.19	17.95						
20	16QAM	50	24	19.93	17.99	19.90	19.5	3				
20	16QAM	50	50	19.94	17.95	17.94						
20	16QAM	100	0	17.93	17.95	18.42						
20	16QAM	1	0	19.19	19.19	19.25	19.5	5				
20	16QAM	1	49	19.02	19.13	19.03						
20	16QAM	1	99	14.96	19.20	19.19						
20	16QAM	50	0	19.03	19.15	19.04	19.5	5				
20	16QAM	50	24	19.03	19.00	14.99						
20	16QAM	50	50	14.86	14.91	19.05						
20	16QAM	100	0	14.96	19.11	19.01	19.5					
Channel												
1887.5 1890 1897.4												
15	QPSK	1	0	20.08	20.09	19.93	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	20.5	1				
15	QPSK	36	20	19.91	19.93	19.79						
15	QPSK	36	39	19.79	19.90	19.97						
15	16QAM	75	0	19.19	19.94	19.79	20.5	1				
15	16QAM	1	0	19.19	19.92	19.79						
15	16QAM	1	37	19.92	19.96	19.90						
15	16QAM	1	74	19.19	19.99	19.99	19.5	2				
15	16QAM	36	0	17.88	17.92	17.88						
15	16QAM	36	20	17.84	17.84	17.97						
15	16QAM	36	39	17.86	17.86	17.92	19.5	2				
15	16QAM	75	0	17.78	17.84	17.91						
15	16QAM	1	0	19.15	19.19	19.17						
15	16QAM	1	37	17.87	19.91	19.91	19.5	2				
15	16QAM	1	74	19.09	19.94	19.93						
15	16QAM	36	0	19.95	17.98	19.91						
15	16QAM	36	20	19.85	17.99	19.91	19.5	3				
15	16QAM	36	39	19.90	17.93	19.93						
15	16QAM	75	0	19.93	19.97	19.79						
15	16QAM	1	0	19.16	19.93	19.93	19.5	5				
15	16QAM	1	37	14.88	19.09	14.90						
15	16QAM	1	74	14.88	19.09	19.00						
15	16QAM	36	0	14.88	19.04	19.00	19.5	5				
15	16QAM	36	20	14.94	14.95	14.92						
15	16QAM	36	39	14.77	14.86	14.95						
15	16QAM	75	0	14.95	14.94	14.93	19.5					
Channel												
26960 26949 26960												
10	QPSK	1	0	1935	1980	1970	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	19.90	19.90	20.5	1				
10	QPSK	25	12	19.97	19.98	19.85						
10	QPSK	25	25	19.81	19.97	19.99						
10	16QAM	50	0	19.09	19.19	19.23	20.5	1				
10	16QAM	1	0	19.09	19.19	19.23						
10	16QAM	1	25	19.03	19.14	19.02						
10	16QAM	1	49	19.03	19.13	19.02	19.5	2				
10	16QAM	25	0	19.00	17.90	17.97						
10	16QAM	25	12	17.92	17.98	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	16QAM	1	0	19.08	19.10	19.16						
10	16QAM	1	24	17.85	19.00	19.09	19.5	2				
10	16QAM	1	49	19.03	17.99	17.84						
10	16QAM	25	0	19.93	17.13	19.94						
10	16QAM	25	12	19.78	19.95	19.95	19.5	3				
10	16QAM	25	25	19.88	19.98	19.93						
10	16QAM	50	0	19.90	19.92	19.97						
10	16QAM	1	0	19.14	19.92	19.91	19.5	5				
10	16QAM	1	25	14.97	14.99	14.93						
10	16QAM	1	49	14.88	19.00	19.03						
10	16QAM	25	0	14.93	14.90	14.90	19.5	5				
10	16QAM	25	12	14.96	14.88	14.86						
10	16QAM	25	25	14.78	14.84	14.95						
10	16QAM	50	0	14.94	19.07	14.92	19.5					
Channel												
26965 26949 26965												
5	QPSK	1	0	20.08	20.05	19.90	21.5	0				
5	QPSK	1	12	19.78	19.89	19.90						
5	QPSK	1	24	19.73	19.85	19.87						
5	QPSK	12	0	19.81	19.93	19.97	20.5	1				
5	QPSK	12	7	19.90	19.99	19.82						
5	QPSK	12	13	19.87	19.92	19.97						
5	16QAM	25	0	19.09	19.08	19.05	20.5	1				
5	16QAM	1	0	19.08	19.13	19.19						
5	16QAM	1	12	19.10	19.17	19.05						
5	16QAM	1	24	19.04	19.10	19.01	19.5	2				
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	19.01						
5	16QAM	1	0	19.06	19.06	19.19						
5	16QAM	1	12	17.94	19.04	19.09	19.5	2				
5	16QAM	1	24	19.00	19.03	17.99						
5	16QAM	12	0	19.99	17.10	19.99						
5	16QAM	12	7	19.83	19.97	19.79	19.5	3				
5	16QAM	12	13	19.88	19.99	19.97						
5	16QAM	25	0	19.94	19.92	19.98						
5	16QAM	1	0	19.05	19.08	19.19	19.5	5				
5	16QAM	1	12	14.92	19.03	14.98						
5	16QAM	1	24	14.93	19.07	19.06						
5	16QAM	12	0	14.92	14.99	14.95	19.5	5				
5	16QAM	12	7	14.88	14.91	14.84						
5	16QAM	12	13	14.81	14.86	14.93						
5	16QAM	25	0	14.86	19.01	14.92	19.5					
Channel												
26965 26949 26976												
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	20.5	1				
3	QPSK	8	0	19.90	19.90	19.90						
3	QPSK	8	7	19.97	19.92	19.94						
3	QPSK	15	0	19.87	19.95	19.82	20.5	1				
3	QPSK	15	8	19.96	19.97	19.90						
3	QPSK	15	14	19.77	19.90	19.92						
3	16QAM	8	0	19.05	19.16	19.19	19.5	2				
3	16QAM	1	14	19.98	19.97	19.99						
3	16QAM	1	28	19.94	19.91	17.93						
3	16QAM	8	4	17.90	17.94	17.99	19.5	2				
3	16QAM	7	7	17.76	17.89	17.88						
3	16QAM	1	0	19.06	19.06	19.19						
3	16QAM	1	0	19.07	19.09	19.19	19.5	2				
3	16QAM	1	8	17.85	17.99	19.12						
3	16QAM	1	16	17.85	17.99	17.93						
3	16QAM	8	0	17.93	17.92	17.92	19.5	3				
3	16QAM	8	4	18.87	17.95	19.73						
3	16QAM	8	7	18.87	17.94	19.74						
3	16QAM	1	0	19.06	19.14	19.19	19.5	5				
3	16QAM	1	8	14.88	14.88	14.88						
3	16QAM	1	14	14.88	19.10	19.11						
3	16QAM	8	4	14.98	14.98	14.97	19.5	5				
3	16QAM	8	7	14.98	14.89	14.84						
3	16QAM	8	7	14.78	14.86	14.91						
3	16QAM	15	0	14.95	14.95	14.95	19.5					
Channel												
1887.5 1890 1914.3												
1.4	QPSK	1	0	20.08	20.10	19.94	21.5	0				
1.4	QPSK	1	6	19.79	19.89	19.82						
1.4	QPSK	1	6	19.74	19.88	19.84						
1.4	QPSK	3	0	20.00	20.00	19.96	20.5	1				
1.4	QPSK	3	3	19.99	20.00	19.96						
1.4	QPSK	3	3	19.95	20.00	19.96						
1.4	QPSK	3	9	19.99	19.94	19.94	20.5	1				
1.4	16QAM	1	0	19.14	19.16	19.21						
1.4	16QAM	1	3	19.08	19.16	19.06						
1.4	16QAM	3	0	19.06	19.08	19.07	20.5	1				
1.4	16QAM	3	3	18.98	19.05	18.99						
1.4	16QAM	3	9	17.80	17.82	17.97						
1.4	16QAM	1	0	19.04	19.14	19.12	19.5	2				
1.4	16QAM	1	3	19.02	19.13	19.03						
1.4	16QAM	3	3	17.81	19.05	19.02						
1.4	16QAM	3	9	18.08	17.97	18.06	19.5	2				
1.4	16QAM	3	9	17.96	19.10	17.99						
1.4	16QAM	3	9	18.92	19.06	19.11						
1.4	16QAM	1	0	19.11	19.16	19.16	19.5	5				
1.4	16QAM	1	3	14.88	19.09	14.90						
1.4	16QAM	1	6	14.91	14.94	14.88						
1.4	16QAM	3	0	14.90	19.09	14.90	19.5	5				
1.4	16QAM	3	3	14.90	19.09	14.90						
1.4	16QAM	3	6	14.90	19.09	14.94						

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			
20	QPSK	50	24	22.22	22.15	22.13	23.5	1	
20	QPSK	50	50	22.11	22.18	22.06			
20	QPSK	100	0	22.04	22.22	22.12			
20	16QAM	1	0	22.32	22.35	22.37			
20	16QAM	1	49	22.36	22.32	22.15	23.5	1	
20	16QAM	1	99	22.16	22.24	22.22			
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	22.5	2	
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			
20	64QAM	1	99	21.40	21.44	21.27	22.5	2	
20	64QAM	50	0	20.29	20.29	20.22			
20	64QAM	50	24	20.10	20.27	20.18			
20	64QAM	50	50	20.14	20.30	20.19			
20	64QAM	100	0	20.15	20.32	20.20	21.5	3	
20	256QAM	1	0	18.25	18.38	18.23			
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			
15	QPSK	36	20	22.10	22.01	22.09	23.5	1	
15	QPSK	36	39	22.06	22.11	21.94			
15	QPSK	75	0	21.96	22.12	22.08			
15	16QAM	1	0	22.18	22.32	22.34			
15	16QAM	1	37	22.27	22.18	22.02	23.5	1	
15	16QAM	1	74	22.11	22.13	22.08			
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			
15	64QAM	1	74	21.29	21.34	21.20	22.5	2	
15	64QAM	36	0	20.18	20.15	20.19			
15	64QAM	36	20	19.96	20.14	20.07			
15	64QAM	36	39	20.06	20.26	20.13			
15	64QAM	75	0	20.04	20.28	20.08	19.5	5	
15	256QAM	1	0	18.21	18.29	18.15			
15	256QAM	1	37	18.10	18.37	18.22			
15	256QAM	1	74	18.07	18.17	18.05			
15	256QAM	36	0	18.20	18.35	18.31	19.5	5	
15	256QAM	36	20	18.12	18.15	18.08			
15	256QAM	36	39	18.13	18.18	18.23			
15	256QAM	75	0	17.98	18.15	18.15			
Channel				37800	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			
10	QPSK	25	12	22.02	22.03	22.09	23.5	1	
10	QPSK	25	25	22.04	22.09	21.95			
10	QPSK	50	0	21.97	22.17	22.05			
10	16QAM	1	0	22.18	22.21	22.28			
10	16QAM	1	25	22.29	22.24	22.09	23.5	1	
10	16QAM	1	49	22.13	22.19	22.16			
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			
10	64QAM	1	49	21.33	21.30	21.12	22.5	2	
10	64QAM	25	0	20.23	20.26	20.15			
10	64QAM	25	12	20.00	20.19	20.06			
10	64QAM	25	25	20.08	20.15	20.11			
10	64QAM	50	0	20.12	20.20	20.14	21.5	3	
10	256QAM	1	0	18.17	18.24	18.16			
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			
5	QPSK	12	7	22.13	22.03	22.04	23.5	1	
5	QPSK	12	13	22.01	22.11	21.96			
5	QPSK	25	0	21.99	22.15	22.08			
5	16QAM	1	0	22.22	22.32	22.30			
5	16QAM	1	12	22.26	22.22	22.07	23.5	1	
5	16QAM	1	24	22.04	22.19	22.18			
5	16QAM	12	0	21.24	21.23	21.11			
5	16QAM	12	13	20.95	21.14	21.06			
5	16QAM	25	0	21.18	21.20	21.14	22.5	2	
5	64QAM	1	0	21.29	21.39	21.37			
5	64QAM	1	12	21.26	21.38	21.24			
5	64QAM	1	24	21.31	21.31	21.18			
5	64QAM	12	0	20.18	20.16	20.14	21.5	3	
5	64QAM	12	7	20.06	20.24	20.12			
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			
5	256QAM	12	7	18.13	18.20	18.04	19.5	5	
5	256QAM	12	13	18.12	18.23	18.26			
5	256QAM	25	0	17.89	18.15	18.09			
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				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.19	20.06	20.38	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	QPSK	50	24	19.07	19.10	19.20	19.21	19.13	20.5	1
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	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	20.5	1
20	16QAM	1	99	19.26	19.20	19.31	19.16	19.39		
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	19.5	2
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		
20	64QAM	1	99	18.02	17.98	18.05	17.99	17.96	19.5	2
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		
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	18.5	3
20	256QAM	1	0	15.20	15.24	15.21	15.09	15.18		
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		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				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		
15	QPSK	36	20	19.02	19.03	19.11	19.09	19.07	20.5	1
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		
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	20.5	1
15	16QAM	1	74	19.17	19.10	19.20	19.08	19.25		
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		
15	64QAM	1	74	17.97	17.89	18.00	17.92	17.86	19.5	2
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		
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	18.5	3
15	256QAM	1	0	15.14	15.11	15.14	15.04	15.10		
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		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				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		
10	QPSK	25	12	19.01	19.06	19.07	19.07	19.05	20.5	1
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		
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	20.5	1
10	16QAM	1	49	19.22	19.06	19.28	19.10	19.28		
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		
10	64QAM	1	49	17.91	17.88	18.00	17.91	17.84	19.5	2
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		
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	18.5	3
10	256QAM	1	0	15.07	15.18	15.17	14.98	15.10		
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		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				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		
5	QPSK	12	7	19.01	19.06	19.13	19.14	19.04	20.5	1
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		
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	20.5	1
5	16QAM	1	24	19.17	19.07	19.20	19.06	19.33		
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		
5	64QAM	1	24	17.90	17.86	18.00	17.91	17.92	19.5	2
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		
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	16.5	5
5	256QAM	1	0	15.13	15.15	15.17	14.95	15.09		
5	256QAM	1	12	15.02	14.99	15.03	15.00	14.80		
5	256QAM	1	24	15.00	15.02	15.11	15.08	15.10		
5	256QAM	12	0	15.28	15.36	15.29	15.15	15.28		
5	256QAM	12	7	15.06	15.00	15.25	15.06	15.10	16.5	5
5	256QAM	12	13	15.15	15.21	15.11	15.08	15.03		
5	256QAM	25	0	15.15	15.24	15.23	15.14	15.23		
5	256QAM	25	0	15.15	15.24	15.23	15.14	15.23		

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



3CA DL

3CA List	POC										SCC1										SCC2										Power	
	LTE	BW	BW	UL	UL Freq. (MHz)	Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	Tx Power (dBm)	Without CA Tx Power (dBm)					
	Band	Act									Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel								
CA_2A-2A-13A	Band 2	Ant0	20M	1880	18900	QPSK	1	0			Band 2	5M	1987.5	1175		Band 13	10M	751	5230		22.44	22.64			22.44	22.64						
	Band 2	Ant1	20M	1880	18900	QPSK	1	0			Band 2	5M	1987.5	1175		Band 13	10M	751	5230		22.72	22.90			22.72	22.90						
	Band 13	Ant0	10M	751	23230	QPSK	1	0			Band 2	20M	1880	900		Band 2	20M	1880	900		23.01	23.14			23.01	23.14						
	Band 13	Ant1	10M	751	23230	QPSK	1	0			Band 2	20M	1880	900		Band 2	20M	1880	900		23.24	23.32			23.24	23.32						
CA_2C-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0			Band 2	20M	1979.8	1098		Band 66	20M	2155	66886		22.45	22.64			22.45	22.64						
	Band 2	Ant1	20M	1880	18900	QPSK	1	0			Band 2	20M	1979.8	1098		Band 66	20M	2155	66886		21.74	21.80			21.74	21.80						
	Band 66	Ant0	20M	1745	132322	QPSK	1	0			Band 2	20M	1960	900		Band 2	20M	1979.8	1098		22.61	22.67			22.61	22.67						
	Band 66	Ant1	20M	1745	132322	QPSK	1	0			Band 2	20M	1960	900		Band 2	20M	1979.8	1098		21.70	21.84			21.70	21.84						
CA_2A-2A-71A	Band 2	Ant0	20M	1880	18900	QPSK	1	0			Band 2	5M	1987.5	1175		Band 71	20M	683	68786		21.69	21.80			21.69	21.80						
	Band 71	Ant0	20M	683	133322	QPSK	1	0			Band 2	20M	1880	900		Band 2	20M	1987.5	1175		22.36	22.42			22.36	22.42						
	Band 71	Ant1	20M	683	133322	QPSK	1	0			Band 2	20M	1880	900		Band 2	20M	1987.5	1175		22.34	22.46			22.34	22.46						
	Band 2	Ant0	20M	1880	18900	QPSK	1	0			Band 4	20M	1732.5	20175		Band 4	20M	2152.5	2375		22.44	22.64			22.44	22.64						
CA_2A-4A-4A	Band 2	Ant1	20M	1880	18900	QPSK	1	0			Band 4	20M	1732.5	20175		Band 4	20M	2152.5	2375		21.70	21.80			21.70	21.80						
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0			Band 4	5M	2152.5	2375		Band 2	20M	1880	900		22.52	22.63			22.52	22.63						
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0			Band 4	5M	2152.5	2375		Band 2	20M	1880	900		21.72	21.82			21.72	21.82						
	Band 2	Ant0	20M	1880	18900	QPSK	1	0			Band 4	20M	2132.5	2175		Band 5	10M	881.5	2525		22.57	22.64			22.57	22.64						
CA_2A-4A-5A	Band 2	Ant1	20M	1880	18900	QPSK	1	0			Band 4	20M	2132.5	2175		Band 5	10M	881.5	2525		21.60	21.80			21.60	21.80						
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0			Band 5	10M	881.5	2525		Band 2	20M	1960	900		22.44	22.63			22.44	22.63						
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0			Band 5	10M	881.5	2525		Band 2	20M	1960	900		21.63	21.82			21.63	21.82						
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0			Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.49	22.55			22.49	22.55						
CA_2A-4A-7A	Band 5	Ant1	10M	836.5	20525	QPSK	1	0			Band 4	20M	2132.5	2175		Band 4	20M	2132.5	2175		22.40	22.60			22.40	22.60						
	Band 2	Ant0	20M	1880	18900	QPSK	1	0			Band 4	20M	2132.5	2175		Band 4	20M	2055	3100		22.56	22.64			22.56	22.64						
	Band 2	Ant1	20M	1880	18900	QPSK	1	0			Band 4	20M	2132.5	2175		Band 7	20M	2655	3100		21.66	21.80			21.66	21.80						
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0			Band 7	20M	2655	3100		Band 2	20M	1960	900		22.52	22.63			22.52	22.63						
CA_2A-4A-12A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0			Band 7	20M	2655	3100		Band 2	20M	1960	900		21.75	21.82			21.75	21.82						
	Band 7	Ant0	20M	2535	21100	QPSK	1	0			Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.60	22.74			22.60	22.74						
	Band 2	Ant0	20M	1880	18900	QPSK	1	0			Band 4	20M	2132.5	2175		Band 12	10M	737.5	5095		22.57	22.64			22.57	22.64						
	Band 2	Ant1	20M	1880	18900	QPSK	1	0			Band 4	20M	2132.5	2175		Band 12	10M	737.5	5095		21.72	21.80			21.72	21.80						
CA_2A-4A-13A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0			Band 12	10M	737.5	5095		Band 2	20M	1960	900		22.56	22.63			22.56	22.63						
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0			Band 12	10M	737.5	5095		Band 2	20M	1960	900		21.69	21.82			21.69	21.82						
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0			Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.61	22.77			22.61	22.77						
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0			Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.60	22.75			22.60	22.75						
CA_2A-4A-13A	Band 2	Ant0	20M	1880	18900	QPSK	1	0			Band 4	20M	2132.5	2175		Band 13	10M	751	5230		22.46	22.64			22.46	22.64						
	Band 2	Ant1	20M	1880	18900	QPSK	1	0			Band 4	20M	2132.5	2175		Band 13	10M	751	5230		21.70	21.80			21.70	21.80						
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0			Band 13	10M	751	5230		Band 2	20M	1960	900		22.56	22.63			22.56	22.63						
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0			Band 13	10M	751	5230		Band 2	20M	1960	900		21.69	21.82			21.69	21.82						
CA_2A-4A-71A	Band 13	Ant0	10M	751	23230	QPSK	1	0			Band 2	20M	1960	900		Band 4	20M	2132.5	2175		23.03	23.14			23.03	23.14						
	Band 2	Ant0	20M	1880	18900	QPSK	1	0			Band 4	20M	2132.5	2175		Band 71	20M	683	68786		22.55	22.64			22.55	22.64						
	Band 2	Ant1	20M	1880	18900	QPSK	1	0			Band 4	20M	2132.5	2175		Band 71	20M	683	68786		21.64	21.80			21.64	21.80						
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0			Band 71	20M	683	68786		Band 2	20M	1960	900		22.57	22.63			22.57	22.63						
CA_2A-5A-30A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0			Band 71	20M	683	68786		Band 2	20M	1960	900		21.67	21.82			21.67	21.82						
	Band 71	Ant0	20M	683	133322	QPSK	1	0			Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.37	22.42			22.37	22.42						
	Band 71	Ant1	20M	683	133322	QPSK	1	0			Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.42	22.48			22.42	22.48						
	Band 2	Ant0	20M	1880	18900	QPSK	1	0			Band 5	10M	881.5	2525		Band 30	10M	2355	9820		22.46	22.64			22.46	22.64						
CA_2A-5A-30A	Band 2	Ant1	20M	1880	18900	QPSK	1	0			Band 5	10M	881.5	2525		Band 30	10M	2355	9820		21.73	21.80			21.73	21.80						
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0			Band 30	10M	2355	9820		Band 2	20M	1960	900		22.40	22.55			22.40	22.55						
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0			Band 30	10M	2355	9820		Band 2	20M	1960	900		22.50	22.60			22.50	22.60						
	Band 30	Ant0	10M	2310	27710	QPSK	1	0			Band 2	20M	1960	900		Band 5	10M	881.5	2525		22.43	22.46			22.43	22.46						
CA_2A-7A-12A	Band 30	Ant1	10M	2310	27710	QPSK	1	0			Band 2	20M	1960	900		Band 5	10M	881.5	2525		20.60	20.83			20.60	20.83						
	Band 2	Ant0	20M	1880	18900	QPSK	1	0			Band 12	10M	737.5	5095		Band 7	20M	2655	3100		22.46	22.64			22.46	22.64						
	Band 2	Ant1	20M	1880	18900	QPSK	1	0			Band 12	10M	737.5	5095		Band 7	20M	2655	3100		21.72	21.80			21.72	21.80						
	Band 7	Ant0	20M	2535	21100	QPSK	1	0			Band 2	20M	1960	900		Band 12	10M	737.5	5095		22.57	22.74			22.57	22.74						
CA_2A-12A-30A	Band 12	Ant1	10M	707.5	23095	QPSK	1	0			Band 7	20M	2655	3100		Band 2	20M	1960	900		22.70	22.77			22.70	22.77						
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0			Band 7	20M	2655	3100		Band 2	20M	1960	900		22.71	22.79			22.71	22.79						
	Band 2	Ant0	20M	1880	18900	QPSK	1	0			Band 12	10M	737.5	5095		Band 30	10M	2355	9820		22.56	22.64			22.56	22.64						
	Band 2	Ant1	20M	1880	18900	QPSK	1	0			Band 12	10M																				



3CA List	PCC								SCC1				SCC2				Power			
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	Freq. (MHz)	Channel	Mod.	RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx Power (dBm)	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	2635	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		22.36	22.48
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	20.83
	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-30A-66A	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 30	10M	2355	9820		Band 66	20M	2155	66886		22.63	22.80
	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_5A-66C	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-30A-66A	Band 12	Ant1	10M	707.5	23095	QPSK	1	0	Band 30	10M	2355	9820		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	2155	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_12A-66C	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_13A-66A-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-30A-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_14A-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_30A-66A-66A	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	132322	QPSK	1	0	Band 66	5M	2197.5	67311		Band 30	10M	2355	9820		21.64	21.84
CA_61A	Band 41	Ant0	20M	2993	40620	QPSK	1	0	Band 41	20M	2612.8	40818		Band 20	20M	2632.6	41016		22.88	

4CA DL

Configure	PCC										SIOC1										SIOC2										SIOC3										Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	UL	DL Antenna Configuration	LTE	BW	BW	UL	UL	Mod.	UL#	UL	UL	DL Antenna Configuration	LTE	BW	BW	UL	UL	Mod.	UL#	UL	UL	DL Antenna Configuration	LTE	BW	BW	UL	UL	Mod.	UL#	UL	UL	DL Antenna Configuration	With CA	Without CA
	Band	Ans	Ans	Freq. (MHz)	Channel		RB	RB	Offset		Band	Ans	Ans	Freq. (MHz)	Channel		RB	RB	Offset		Band	Ans	Ans	Freq. (MHz)	Channel		RB	RB	Offset		Band	Ans	Ans	Freq. (MHz)	Channel		RB	RB	Offset		Band	Ans
CA_2A-2A-4A-12A	Band 2	Ar0	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 4	20M	2132.5	2175							Band 12	10M	737.5	5095							22.48	22.64
	Band 2	Ar1	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 4	20M	2132.5	2175							Band 12	10M	737.5	5095							21.87	21.86
	Band 4	Ar0	20M	1732.5	20175	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175							Band 12	10M	737.5	5095							22.48	22.63
	Band 4	Ar1	20M	1732.5	20175	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175							Band 12	10M	737.5	5095							21.87	21.82
	Band 12	Ar0	10M	707.5	23095	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175							Band 4	20M	2132.5	2175							22.63	22.77
	Band 12	Ar1	10M	707.5	23095	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175							Band 4	20M	2132.5	2175							22.71	22.79
CA_2A-2A-5A-66A	Band 2	Ar0	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 5	10M	881.5	2525							Band 66	20M	2155	66886							22.56	22.64
	Band 2	Ar1	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 5	10M	881.5	2525							Band 66	20M	2155	66886							21.62	21.80
	Band 5	Ar0	10M	836.5	20525	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175							Band 66	20M	2155	66886							22.45	22.55
	Band 5	Ar1	10M	836.5	20525	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175							Band 66	20M	2155	66886							22.53	22.59
	Band 66	Ar0	20M	1745	132322	QPSK	1	0			Band 2	20M	1960	900							Band 5	10M	881.5	2525							Band 5	10M	881.5	2525							22.49	22.67
	Band 66	Ar1	20M	1745	132322	QPSK	1	0			Band 2	20M	1960	900							Band 5	10M	881.5	2525							Band 66	20M	2155	66886							21.78	21.84
CA_2A-2A-66A-66A	Band 2	Ar0	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 12	10M	737.5	5095							Band 66	20M	2155	66886							22.57	22.64
	Band 2	Ar1	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 12	10M	737.5	5095							Band 66	20M	2155	66886							21.60	21.80
	Band 12	Ar0	10M	707.5	23095	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175							Band 66	20M	2155	66886							22.63	22.77
	Band 12	Ar1	10M	707.5	23095	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175							Band 66	20M	2155	66886							22.73	22.79
	Band 66	Ar0	20M	1745	132322	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175							Band 12	10M	737.5	5095							22.54	22.64
	Band 66	Ar1	20M	1745	132322	QPSK	1	0			Band 2	20M	1960	900							Band 2	SM	1987.5	1175							Band 12	10M	737.5	5095							21.67	21.84
CA_2A-2A-66C	Band 2	Ar0	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 66	20M	2155	66886							Band 66	20M	2174.8	67084							22.45	22.64
	Band 2	Ar1	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 66	20M	2155	66886							Band 66	20M	2174.8	67084							21.69	21.80
	Band 66	Ar0	20M	1745	132322	QPSK	1	0			Band 66	20M	2174.8	67084							Band 2	20M	1960	900							Band 2	SM	1987.5	1175							22.50	22.67
	Band 66	Ar1	20M	1745	132322	QPSK	1	0			Band 66	20M	2174.8	67084							Band 2	SM	1987.5	1175							Band 2	SM	1987.5	1175							21.78	21.84
	Band 2	Ar0	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 66	20M	2155	66886							Band 66	20M	2197.5	67311							22.53	22.64
	Band 2	Ar1	20M	1880	18900	QPSK	1	0			Band 2	SM	1987.5	1175							Band 66	20M	2155	66886							Band 66	20M	2197.5	67311							21.60	21.80
CA_2A-5A-66A	Band 2	Ar0	20M	1745	132322	QPSK	1	0			Band 66	SM	2197.5	67311							Band 2	20M	1960	900							Band 2	SM	1987.5	1175							22.61	22.67
	Band 66	Ar1	20M	1745	132322	QPSK	1	0			Band 66	SM	2197.5	67311							Band 2	20M	1960	900							Band 5	10M	881.5	2525							21.64	21.84
	Band 2	Ar0	20M	1880	18900	QPSK	1	0			Band 5	10M	881.5	2525							Band 5	SM	888.7	2597							Band 66	20M	2155	66886							22.50	22.64
	Band 2	Ar1	20M	1880	18900	QPSK	1	0			Band 5	10M	881.5	2525							Band 5	SM	888.7	2597							Band 66	20M	2155	66886							21.73	21.80
	Band 5	Ar0	10M	836.5	20525	QPSK	1	0			Band 5	SM	888.7	2597							Band 66	20M	2155	66886							Band 66	20M	1960	900							22.44	22.55
	Band 5	Ar1	10M	836.5	20525	QPSK	1	0			Band 5	SM	888.7	2597							Band 66	20M	2155	66886							Band 2	20M	1960	900							22.41	22.60
CA_2A-5A-66A-66A	Band 66	Ar0	20M	1745	132322	QPSK	1	0			Band 5	20M	1960	900							Band 5	SM	888.7	2597							Band 5	SM	888.7	2597							22.36	22.67
	Band 66	Ar1	20M	1745	132322	QPSK	1	0			Band 5	20M	1960	900							Band 5	SM	888.7	2597							Band 5	SM	888.7	2597							21.66	21.84
	Band 2	Ar0	20M	1880	18900	QPSK	1	0			Band 5	10M	881.5	2525							Band 66	20M	2155	66886							Band 66	20M	2197.5	67311							22.55	22.64
	Band 2	Ar1	20M	1880	18900	QPSK	1	0			Band 66	20M	2155	66886							Band 66	20M	2155	66886							Band 66	20M	2197.5	67311							21.74	21.80
	Band 5	Ar0	10M	836.5	20525	QPSK	1	0			Band 66	20M	2155	66886							Band 66	20M	2197.5	67311							Band 2	20M	1960	900							22.37	22.55
	Band 5	Ar1	10M	836.5	20525	QPSK	1	0			Band 66	20M	2155	66886							Band 66	20M	2197.5	67311							Band 2	20M	1960	900							22.41	22.60
CA_2A-4A-66A	Band 66	Ar0	20M	1745	132322	QPSK	1	0			Band 66	SM	2197.5	67311							Band 2	20M	1960	900							Band 5	10M	881.5	2525							22.47	22.67
	Band 66	Ar1	20M	1745	132322	QPSK	1	0			Band 66	SM	2197.5	67311							Band 5	10M	881.5	2525							Band 5	10M	881.5	2525							21.69	21.84
	Band 13	Ar0	10M	782	23230	QPSK	1	0			Band 48	20M	3609	5830							Band 48	20M	3609	5830							Band 48	20M	3609	5830							22.05	22.12
	Band 13	Ar1	10M	782	23230	QPSK	1	0			Band 48	20M	3609	5830							Band 48	20M	3609	5830																		

Full Power Mode_5GNR

n2 Ant0									
Proj (MHz)	Subbands	FE Size	FE Offset	Time Chan	Time Subband	Power Chan	Power Subband	Range span (MHz)	MTF (dB)
Frequency (MHz)									
20	RF0 Ant0	1	0	22.48	22.48	22.48	22.48		
20	RF0 Ant0	1	0	22.48	22.48	22.48	22.48	24.0	0.0
20	RF0 Ant0	1	100	22.42	22.47	22.41	22.41		
20	RF0 Ant0	1	100	22.42	22.47	22.41	22.41	23.0	0.1
20	RF0 Ant0	20	20	22.32	22.43	22.47	22.47	24.0	0.2
20	RF0 Ant0	20	20	22.32	22.43	22.47	22.47	23.0	0.1
20	RF0 Ant0	100	0	22.06	22.10	22.09	22.09	23.5	0.0
20	OFDM	1	0	22.42	22.42	22.42	22.42		
20	OFDM	1	0	22.42	22.42	22.42	22.42	24.0	0.0
20	OFDM	1	100	22.47	22.50	22.44	22.44		
20	OFDM	1	100	22.47	22.50	22.44	22.44	23.0	1.0
20	OFDM	50	20	22.47	22.48	22.46	22.46	24.0	1.0
20	OFDM	50	20	22.47	22.48	22.46	22.46	23.0	1.0
20	OFDM	100	0	21.26	22.03	22.47	22.47	23.0	0.0
20	OFDM	100	0	21.26	22.03	22.47	22.47	24.0	0.0
20	OFDM	1	0	21.89	22.00	22.21	22.21	23.5	0.2
20	OFDM	1	0	21.89	22.00	22.21	22.21	24.0	0.2
Channel									
20	RF0 Ant0	1	0	22.48	22.48	22.48	22.48		MTF
10	OFDM	1	0	22.38	22.45	22.42	22.42	24.0	0.0
10	OFDM	1	0	22.38	22.45	22.42	22.42	23.0	0.0
10	OFDM	1	0	22.38	22.45	22.42	22.42	24.0	0.0
5	OFDM	1	0	22.38	22.35	22.40	22.40		MTF
5	OFDM	1	0	22.38	22.35	22.40	22.40	24.0	0.0

[illegible][illegible]

n14 AnT0									
ENV (34%)	Modulator	FB Step	FB Offset	Line Low (Ch. 1/2)	Line High (Ch. 3/4)	Power High (Ch. 5/6)	Turn-on Time (μs)	Slope (dB/μs)	
Channel 1 (Transmitting Antenna)									
10	FB Step	35	0	23.05					
10	FB Step	35	1	23.01			24.0	0.8	
10	FB Step	35	2	23.00					
10	FB Step	35	3	23.02			23.0	0.8	
10	FB Step	35	4	23.00			24.0	0.8	
10	FB Step	35	25	23.04					
10	FB Step	35	26	23.06			23.0	0.8	
10	FB Step	35	27	23.07			24.0	0.8	
10	FB Step	35	28	23.07					
10	FB Step	35	29	23.07			24.0	0.8	
10	FB Step	35	30	23.01			23.0	0.8	
10	FB Step	35	31	23.01			24.0	0.8	
10	FB Step	35	32	23.01			23.0	0.8	
10	FB Step	35	33	23.01			24.0	0.8	
10	FB Step	35	34	23.05			23.0	0.8	
10	FB Step	35	35	23.05			24.0	0.8	
10	FB Step	35	36	23.05			23.0	0.8	
10	FB Step	35	37	23.05			24.0	0.8	
10	FB Step	35	38	23.05			23.0	0.8	
10	FB Step	35	39	23.05			24.0	0.8	
10	FB Step	35	40	23.05			23.0	0.8	
10	FB Step	35	41	23.05			24.0	0.8	
10	FB Step	35	42	23.05			23.0	0.8	
10	FB Step	35	43	23.05			24.0	0.8	
10	FB Step	35	44	23.05			23.0	0.8	
10	FB Step	35	45	23.05			24.0	0.8	
10	FB Step	35	46	23.05			23.0	0.8	
10	FB Step	35	47	23.05			24.0	0.8	
10	FB Step	35	48	23.05			23.0	0.8	
10	FB Step	35	49	23.05			24.0	0.8	
10	FB Step	35	50	23.05			23.0	0.8	
10	FB Step	35	51	23.05			24.0	0.8	
10	FB Step	35	52	23.05			23.0	0.8	
10	FB Step	35	53	23.05			24.0	0.8	
10	FB Step	35	54	23.05			23.0	0.8	
10	FB Step	35	55	23.05			24.0	0.8	
10	FB Step	35	56	23.05			23.0	0.8	
10	FB Step	35	57	23.05			24.0	0.8	
10	FB Step	35	58	23.05			23.0	0.8	
10	FB Step	35	59	23.05			24.0	0.8	
10	FB Step	35	60	23.05			23.0	0.8	
10	FB Step	35	61	23.05			24.0	0.8	
10	FB Step	35	62	23.05			23.0	0.8	
10	FB Step	35	63	23.05			24.0	0.8	
10	FB Step	35	64	23.05			23.0	0.8	
10	FB Step	35	65	23.05			24.0	0.8	
10	FB Step	35	66	23.05			23.0	0.8	

n25 Ant0									
RF (MHz)	Modulation	RF Size	RF Offset	Power L1 Ch. / Freq.	Power Main Ch. / Freq.	Power Tgt Ch. / Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	P10 BPSK	1		22.00	22.00	22.00			
40	P10 BPSK	1	100	22.01	22.07	22.00	24.0	0.0	
40	P10 BPSK	1	214	22.48	22.53	22.57			
40	P10 BPSK	100	54	22.47	22.58	22.45	24.0	0.0	
40	P10 BPSK	100	60	22.40	22.55	22.45	24.0	0.0	
40	P10 BPSK	210	0	22.07	22.10	22.10	24.0	0.0	
40	QPSK	1	0	22.00	22.00	22.00			
40	QPSK	1	100	22.47	22.47	22.40	24.0	0.0	
40	QPSK	1	214	22.44	22.50	22.45			
40	QPSK	100	0	21.86	21.72	21.60	22.0	1.0	
40	QPSK	100	20	22.47	22.50	22.50	24.0	0.0	
40	QPSK	100	100	21.82	21.88	21.90	22.0	1.0	
40	QPSK	210	0	21.46	21.48	21.48			
40	QPSK	1	0	21.46	21.48	21.50	22.0	1.0	
40	QPSK	1	1	21.87	21.90	21.90	21.0	0.0	
40	QPSK	1	1	21.46	21.45	21.50	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.40	22.37	22.20	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.46	22.50	22.50	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.41	22.54	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1		22.56	22.54	22.50			
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.36	22.35	22.30	24.0	0.0	

n30 Ant0									
RF (MHz)	Modulation	RF Size	RF Offset	Power L1 Ch. / Freq.	Power Main Ch. / Freq.	Power Tgt Ch. / Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
10	P10 BPSK	1	1	22.00					
10	P10 BPSK	1	30	22.07			24.0	0.0	
10	P10 BPSK	1	50	22.12					
10	P10 BPSK	30	0	22.00			22.0	0.0	
10	P10 BPSK	30	14	22.10			24.0	0.0	
10	P10 BPSK	30	27	22.08			24.0	0.0	
10	P10 BPSK	50	0	22.00			24.0	0.0	
10	QPSK	1	1	22.00					
10	QPSK	1	30	22.09			24.0	0.0	
10	QPSK	1	50	22.00					
10	QPSK	30	0	21.83			22.0	1.0	
10	QPSK	30	14	22.00			24.0	0.0	
10	QPSK	30	27	22.10			22.0	1.0	
10	QPSK	50	0	21.70			22.0	1.0	
10	QPSK	1	1	22.00			21.0	2.0	
10	QPSK	1	1	22.10			10.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.10	22.00	22.10	24.0	0.0	

n66 Ant0									
RF (MHz)	Modulation	RF Size	RF Offset	Power L1 Ch. / Freq.	Power Main Ch. / Freq.	Power Tgt Ch. / Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	P10 BPSK	1		22.00	22.10	22.00			
40	P10 BPSK	1	100	22.07	22.07	22.00	24.0	0.0	
40	P10 BPSK	1	214	22.48	22.00	22.48			
40	P10 BPSK	100	0	22.07	22.00	22.00	22.0	0.0	
40	P10 BPSK	100	104	22.48	22.00	22.48	24.0	0.0	
40	P10 BPSK	100	100	22.47	22.00	22.11	24.0	0.0	
40	P10 BPSK	210	0	22.01	22.00	22.00	24.0	0.0	
40	QPSK	1	0	22.00	22.10	22.00			
40	QPSK	1	100	22.04	22.00	22.01	24.0	0.0	
40	QPSK	1	214	22.01	22.00	22.00			
40	QPSK	100	0	22.10	22.17	22.11	22.0	1.0	
40	QPSK	100	20	22.01	22.00	22.00	24.0	0.0	
40	QPSK	100	100	22.02	22.10	22.07	22.0	1.0	
40	QPSK	210	0	22.00	22.00	22.00			
40	QPSK	1	1	22.04	22.00	22.00	21.0	2.0	
40	QPSK	1	1	22.10	22.00	22.00	21.0	2.0	
40	QPSK	1	1	22.00	22.00	22.00	21.0	2.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.03	22.00	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.00	22.00	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.00	22.00	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.00	22.00	22.00	24.0	0.0	

n71 Ant0									
RF (MHz)	Modulation	RF Size	RF Offset	Power L1 Ch. / Freq.	Power Main Ch. / Freq.	Power Tgt Ch. / Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
20	P10 BPSK	1	1	22.00	22.00	22.10			
20	P10 BPSK	1	50	22.10	22.01	22.08	24.0	0.0	
20	P10 BPSK	1	104	22.48	22.10	22.47			
20	P10 BPSK	50	0	22.10	22.00	22.00	22.0	0.0	
20	P10 BPSK	50	20	22.07	22.00	22.00	24.0	0.0	
20	P10 BPSK	50	100	22.00	22.00	22.00	24.0	0.0	
20	P10 BPSK	100	0	22.07	22.00	22.00	24.0	0.0	
20	QPSK	1	1	22.10	22.00	22.10			
20	QPSK	1	50	22.10	22.01	22.10	24.0	0.0	
20	QPSK	1	104	22.10	22.10	22.00			
20	QPSK	50	0	21.70	21.80	21.80	22.0	1.0	
20	QPSK	50	20	22.00	22.00	22.10	24.0	0.0	
20	QPSK	50	100	22.10	22.00	22.10	22.0	1.0	
20	QPSK	100	0	21.70	21.70	21.60	22.0	1.0	
20	QPSK	1	1	22.40	22.40	22.30	21.0	2.0	
20	QPSK	1	1	22.40	22.40	22.30	21.0	2.0	
20	QPSK	1	1	22.40	22.40	22.30	21.0	2.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.10	22.10	22.10	24.0	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. 372500	Power Max Ch. 1 Freq. 373000	Power High Ch. 1 Freq. 380000	Tune-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
20	PLC BPSK	1	1	21.84	21.89	21.97		
20	PLC BPSK	1	53	21.43	21.85	21.48	23.0	0.0
20	PLC BPSK	1	104	21.55	21.53	21.53	22.5	0.5
20	PLC BPSK	50	0	20.99	21.14	20.97		
20	PLC BPSK	50	20	21.07	21.05	21.06	23.0	0.0
20	PLC BPSK	50	56	21.13	21.16	21.13	22.5	0.5
20	PLC BPSK	100	0	21.10	21.21	21.08		
20	QPSK	1	1	21.55	21.55	21.55		
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	21.45	20.96	21.44	23.0	0.0
20	QPSK	50	56	20.55	20.69	20.55	22.0	1.0
20	QPSK	100	0	20.71	20.75	20.64		
20	16QAM	1	1	20.52	20.58	20.48	22.0	1.0
20	16QAM	1	1	18.45	18.55	18.78	20.5	2.5
20	16QAM	1	1	16.55	17.05	17.05	18.5	4.5
Channel								
Frequency [MHz]								
15	QPSK	1	1	21.45	21.43	21.52	23.5	0.0
Channel								
Frequency [MHz]								
10	QPSK	1	1	21.51	21.47	21.45	23.0	0.0
Channel								
Frequency [MHz]								
5	QPSK	1	1	21.85	21.81	21.52	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	PLC BPSK	1	1	21.74	21.83	21.87		
20	PLC BPSK	1	53	21.67	21.84	21.74	23.0	0.0
20	PLC BPSK	1	104	21.77	21.82	21.75		
20	PLC BPSK	50	0	21.29	21.31	21.28	22.5	0.5
20	PLC BPSK	50	20	21.41	21.74	21.49	23.0	0.0
20	PLC BPSK	50	56	21.08	21.24	21.18	22.5	0.5
20	PLC BPSK	100	0	21.16	21.27	21.10		
20	QPSK	1	1	21.55	21.67	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	21.77	21.70	21.74	23.0	0.0
20	QPSK	50	56	20.59	20.74	20.65	22.0	1.0
20	QPSK	100	0	20.56	20.60	20.77		
20	16QAM	1	1	20.53	20.68	20.54	22.0	1.0
20	16QAM	1	1	19.07	19.11	19.08	20.5	2.5
20	16QAM	1	1	17.04	17.18	17.05	18.5	4.5
Channel								
Frequency [MHz]								
15	QPSK	1	1	21.75	21.80	21.85	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	PLC BPSK	1	1	22.08	22.11	22.09		
15	PLC BPSK	1	40	22.09	22.13	22.07	23.0	0.0
15	PLC BPSK	1	77	21.97	22.08	22.04		
15	PLC BPSK	50	0	21.48	21.52	21.42	22.5	0.5
15	PLC BPSK	50	20	21.07	21.05	21.21	23.5	0.5
15	PLC BPSK	50	43	21.52	21.42	21.24	22.5	0.5
15	PLC BPSK	75	0	21.45	21.55	21.52		
15	QPSK	1	1	22.13	22.15	22.05		
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	21.09	21.03	20.94	22.0	1.0
15	QPSK	50	22	20.91	20.96	20.89	23.0	0.0
15	QPSK	50	43	20.85	20.94	20.85	22.0	1.0
15	QPSK	75	0	21.00	21.05	20.95		
15	16QAM	1	1	20.94	20.98	20.96	22.0	1.0
15	16QAM	1	1	19.52	19.52	19.28	20.5	2.5
15	16QAM	1	1	17.73	17.49	17.41	18.5	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	22.06	23.0	0.0

n14 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 138100	Power Max Ch. 1 Freq. 138200	Power High Ch. 1 Freq. 138300	Tune-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
10	PLC BPSK	1	1			21.45		
10	PLC BPSK	1	26			21.45	23.0	0.0
10	PLC BPSK	1	56			21.53		
10	PLC BPSK	25	0			20.79	22.5	0.5
10	PLC BPSK	25	14			21.26	23.5	0.5
10	PLC BPSK	25	27			20.83	22.5	0.5
10	PLC 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			21.53		
10	QPSK	25	0			20.27	22.0	1.0
10	QPSK	25	14			20.56	23.0	0.0
10	QPSK	25	27			20.34	22.0	1.0
10	QPSK	50	0			20.45		
10	16QAM	1	1			20.33	22.0	1.0
10	16QAM	1	1			18.72	20.5	2.5
10	16QAM	1	1			16.94	18.5	4.5
Channel								
Frequency [MHz]								
5	QPSK	1	1	21.28	21.25	21.50	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	36	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	36	21.40	20.95	21.13			
40	QPSK	108	108	20.85	20.89	20.82			
40	QPSK	216	0	20.55	20.74	20.70			
40	8QAM	1	1	20.35	20.44	20.34			
40	8QAM	1	1	18.43	18.86	18.81			
40	8QAM	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	8QAM	1	1						
10	8QAM	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	22.33	22.25			
40	PUSC BPSK	108	0	21.89	21.81	21.83			
40	PUSC BPSK	108	36	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	21.78			
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	22.15			
40	QPSK	108	0	21.33	21.36	21.29			
40	QPSK	108	36	21.37	21.35	21.29			
40	QPSK	108	108	21.37	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	22.00	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	21.55			
20	PUSC BPSK	56	26	21.61	22.00	21.89			
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	26	21.46	21.66	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				519000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2604	2604	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	518598	528000		
Frequency (MHz)				2540.01	2592.99	2640		
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	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.33	24.41	24.28	25.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2592.99	2649.98		
80	QPSK	1	1	24.32	24.36	24.27	25.0	0.0
Channel				506000	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2592.99	2609.98		
60	QPSK	1	1	24.32	24.42	24.30	25.0	0.0
Channel				504004	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2592.99	2664.99		
50	QPSK	1	1	24.34	24.38	24.29	25.0	0.0
Channel				503002	518598	535002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2610.01	2592.99	2670		
40	QPSK	1	1	24.37	24.42	24.23	25.0	0.0
Channel				502000	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2611	2592.99	2671.98		
30	QPSK	1	1	24.39	24.36	24.19	25.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	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)				3054	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.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	660000		
Frequency (MHz)				3760	3840	3900		
100	PI2 BPSK	1	1	22.41	22.55	22.40		
100	PI2 BPSK	1	137	22.48	22.41	22.46	24.0	0.0
100	PI2 BPSK	1	271	22.34	22.42	22.43		
100	PI2 BPSK	135	0	21.76	21.76	21.82	23.5	0.5
100	PI2 BPSK	135	69	22.34	22.34	22.33	24.0	0.0
100	PI2 BPSK	135	138	21.91	21.91	21.81	23.5	0.5
100	PI2 BPSK	270	0	21.85	22.00	21.91		
100	QPSK	1	1	22.52	22.58	22.45		
100	QPSK	1	197	22.29	22.51	22.36	24.0	0.0
100	QPSK	1	271	22.45	22.45	22.44		
100	QPSK	135	0	21.28	21.32	21.29	23.0	1.0
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	1.0
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				640000	650000	660000	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				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3748.01	3840	3940.02		
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				643334	650000	656668	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	22.48	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

Part270 n77 PC2 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	660000		
Frequency (MHz)				3760	3840	3900		
100	PI2 BPSK	1	1	25.42	25.46	25.30		
100	PI2 BPSK	1	137	25.33	25.41	25.27	27.0	0.0
100	PI2 BPSK	1	271	25.02	25.07	25.01		
100	PI2 BPSK	135	0	24.83	24.92	24.89	26.5	0.5
100	PI2 BPSK	135	69	25.26	25.41	25.23	27.0	0.0
100	PI2 BPSK	135	138	24.63	24.66	24.59	26.5	0.5
100	PI2 BPSK	270	0	24.81	24.89	24.67		
100	QPSK	1	1	25.37	25.47	25.21		
100	QPSK	1	197	25.20	25.41	25.17	27.0	0.0
100	QPSK	1	271	25.08	25.01	25.03		
100	QPSK	135	0	24.32	24.41	24.18	26.0	1.0
100	QPSK	135	69	25.33	25.41	25.26	27.0	0.0
100	QPSK	135	138	24.17	24.26	24.05	26.0	1.0
100	QPSK	270	0	24.26	24.41	24.23	26.0	1.0
100	16QAM	1	1	24.34	24.48	24.29	26.0	1.0
100	64QAM	1	1	23.08	23.22	23.08	24.5	2.5
100	256QAM	1	1	21.18	21.21	21.01	22.5	4.5
Channel				640000	650000	660000	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	0.0
Channel				648334	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	0.0
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	0.0
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	0.0
Channel				643334	650000	656668	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	0.0
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	0.0
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	0.0
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	0.0

Part27Q n77 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				63000		63334		
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				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3498.02	3500.01	3502.0	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

Part27Q n77 PC2 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63000		63334		
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		21.69		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				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3498.02	3500.01	3502.0	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

Part270 n78 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				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

Part270 n78 PC2 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				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		23.66			
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



Part27Q n78 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Master Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630000		633334			
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		24.0	0.0	
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		21.5	2.5	
100	256QAM	1	1		18.59		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	23.11	23.19	23.15	24.0	0.0	
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498.02	3500.01	3502.0			
80	QPSK	1	1	23.12	23.23	23.09	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	23.29	23.10	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	23.18	23.24	23.09	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	23.19	23.19	23.09	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	23.20	23.17	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	23.14	23.20	23.15	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	23.16	23.27	23.14	24.0	0.0	

Part27Q n78 PC2 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Master Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000		633334			
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		25.0	0.0	
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		24.5	0.5	
100	256QAM	1	1		21.71		22.5	2.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	24.16	24.24	24.15	25.0	0.0	
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498.02	3500.01	3502.0			
80	QPSK	1	1	24.18	24.29	24.19	25.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	24.17	24.29	24.15	25.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	24.08	24.21	24.15	25.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	24.23	24.26	24.21	25.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	24.10	24.24	24.17	25.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	24.20	24.29	24.22	25.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
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	21.0	0.0
40	PI2 BPSK	100	0	19.86	20.03	19.86		
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	19.89		
40	QPSK	50	0	19.86	20.02	19.94	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	21.0	0.0
40	QPSK	100	0	19.90	20.05	19.90		
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	21.5	0.5
100	PI2 BPSK	270	0	20.41	20.55	20.49		
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	24.5	0.5
100	PI2 BPSK	270	0	23.54	23.65	23.60		
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				63000					
Frequency (MHz)				3500.01					
100	Pl2 BPSK	1	1		21.13		22.0	0.0	
100	Pl2 BPSK	1	137		21.24				
100	Pl2 BPSK	1	271		21.07				
100	Pl2 BPSK	135	0		20.84	21.5	21.5	0.5	
100	Pl2 BPSK	135	69		21.26	22.0	22.0	0.0	
100	Pl2 BPSK	135	138		20.58	21.5	21.5	0.5	
100	Pl2 BPSK	270	0		20.79		22.0	0.0	
100	QPSK	1	1		21.38				
100	QPSK	1	197		21.19				
100	QPSK	1	271		21.02		21.0	1.0	
100	QPSK	135	0		20.34	22.0	22.0	0.0	
100	QPSK	135	69		21.22	21.0	21.0	1.0	
100	QPSK	135	138		20.06		21.0	1.0	
100	QPSK	270	0		20.23				
100	16QAM	1	1		20.38	21.0	21.0	1.0	
100	64QAM	1	1		19.02	19.5	22.5	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				630668	633334	634000			
Frequency (MHz)				3498.02	3500.01	3502			
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	21.26	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				633000 633334 633668					
Frequency (MHz)				3500.01 3500.01 3500.01					
100	Pl2 BPSK	1	1		23.44		24.0	0.0	
100	Pl2 BPSK	1	137		23.23				
100	Pl2 BPSK	1	271		23.35				
100	Pl2 BPSK	135	0		23.12	24.0	24.0	0.0	
100	Pl2 BPSK	135	69		23.39	24.0	24.0	0.0	
100	Pl2 BPSK	135	138		22.89	24.0	24.0	0.0	
100	Pl2 BPSK	270	0		22.74		24.0	0.0	
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	24.0	0.0	
100	QPSK	135	69		23.32	24.0	24.0	0.0	
100	QPSK	135	138		22.78	24.0	24.0	0.0	
100	QPSK	270	0		22.41		24.0	0.0	
100	16QAM	1	1		22.62	24.0	24.0	0.0	
100	64QAM	1	1		21.80	22.5	22.5	1.5	
100	256QAM	1	1		20.07	20.5	3.5		
Channel				633300 633334 633668			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495 3500.01 3505.02			(dBm)		
90	QPSK	1	1	23.38	23.43	23.43	24.0	0.0	
Channel				633068 633334 634000			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498.02 3500.01 3502			(dBm)		
80	QPSK	1	1	23.38	23.43	23.31	24.0	0.0	
Channel				632334 633334 634334			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01 3500.01 3515.01			(dBm)		
70	QPSK	1	1	23.32	23.41	23.35	24.0	0.0	
Channel				632000 633334 634668			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480 3500.01 3520.02			(dBm)		
60	QPSK	1	1	23.39	23.37	23.31	24.0	0.0	
Channel				631668 633334 635000			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02 3500.01 3525			(dBm)		
50	QPSK	1	1	23.35	23.38	23.36	24.0	0.0	
Channel				631334 633334 635334			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01 3500.01 3530.01			(dBm)		
40	QPSK	1	1	23.40	23.37	23.35	24.0	0.0	
Channel				631000 633334 635668			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465 3500.01 3535.02			(dBm)		
30	QPSK	1	1	23.38	23.37	23.36	24.0	0.0	
Channel				630668 633334 636000			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02 3500.01 3540			(dBm)		
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		22.86		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	23.86	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		3500.01			
Frequency (MHz)				2152					
100	Pl2 BPSK	1	1	2129	2129		22.0	0.0	
100	Pl2 BPSK	1	137						
100	Pl2 BPSK	1	271		2103				
100	Pl2 BPSK	135	0		2094		21.5	0.5	
100	Pl2 BPSK	135	69		2125		22.0	0.0	
100	Pl2 BPSK	135	138		2082				
100	Pl2 BPSK	270	0		2073		21.5	0.5	
100	QPSK	1	1		2136		22.0	0.0	
100	QPSK	1	197		2120				
100	QPSK	1	271		2094				
100	QPSK	135	0		2045		21.0	1.0	
100	QPSK	135	69		2123		22.0	0.0	
100	QPSK	135	138		2017		21.0	1.0	
100	QPSK	270	0		2036		21.0	1.0	
100	16QAM	1	1		2054				
100	64QAM	1	1		1929		19.5	2.5	
100	256QAM	1	1		1680		17.5	4.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	2125	2128	2130	22.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3489.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	2130	2125	2130	22.0	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	2124	2154	2118	22.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	2126	2133	2122	22.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	2123	2124	2128	22.0	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	2126	2127	2125	22.0	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	2128	2131	2119	22.0	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	2126	2134	2124	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		3500.01			
Frequency (MHz)				2342					
100	Pl2 BPSK	1	1		2335		24.0	0.0	
100	Pl2 BPSK	1	137		2335				
100	Pl2 BPSK	1	271		2323				
100	Pl2 BPSK	135	0		2296		24.0	0.0	
100	Pl2 BPSK	135	69		2333		24.0	0.0	
100	Pl2 BPSK	135	138		2287				
100	Pl2 BPSK	270	0		2275		24.0	0.0	
100	QPSK	1	1		2346		24.0	0.0	
100	QPSK	1	197		2342				
100	QPSK	1	271		2327				
100	QPSK	135	0		2306		24.0	0.0	
100	QPSK	135	69		2344		24.0	0.0	
100	QPSK	135	138		2300		24.0	0.0	
100	QPSK	270	0		2281		24.0	0.0	
100	16QAM	1	1		2265				
100	64QAM	1	1		2184		22.5	1.5	
100	256QAM	1	1		2002		20.5	3.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	2327	2333	2335	24.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3489.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	2330	2338	2330	24.0	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	2332	2334	2339	24.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	2331	2337	2329	24.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	2328	2337	2337	24.0	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	2337	2334	2327	24.0	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	2333	2334	2338	24.0	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	2339	2337	2331	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	21.86	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	20.89			
40	16QAM	1	1	20.83	20.89	20.84	22.0	1.0	
40	64QAM	1	1	19.47	19.62	19.54	20.5	2.5	
40	256QAM	1	1	17.42	17.46	17.42	18.5	4.5	
Channel				517002	517500	517998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	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)				2580	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	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	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	23.0	1.0	
100	QPSK	270	0	21.81	21.89	21.75			
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				505000	518598	529596	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2638.05	2662.99	2686.99			
80	QPSK	1	1	22.81	22.88	22.75	24.0	0.0	
Channel				505000	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538	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)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.80	22.84	22.78	24.0	0.0	
Channel				503502	518598	533500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.83	22.86	22.75	24.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	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)				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				504000	518598	528000			
Frequency (MHz)				2540.01	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	27.0	0.0	
100	QPSK	1	137	25.80	25.84	25.85			
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	26.0	1.0	
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				505000	518598	529596	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2638.05	2662.99	2686.99			
80	QPSK	1	1	25.97	25.95	25.90	27.0	0.0	
Channel				505000	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538	2592.99	2659.98			
60	QPSK	1	1	25.89	25.90	25.82	27.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	25.90	25.97	25.82	27.0	0.0	
Channel				503502	518598	533500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	25.92	25.99	25.88	27.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	25.97	26.07	25.85	27.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	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	56	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	56	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	22.26	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	22.65	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	22.46	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			
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	26.5	0.5	
100	PI2 BPSK	135	69	25.22	25.36	25.23	27.0	0.0	
100	PI2 BPSK	135	138	25.13	25.28	25.17	26.5	0.5	
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	23.06	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	3940			
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	3955.01			
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	25.96	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	3940			
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	3955.01			
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	

Part27Q n77 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					
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		22.36		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	24.0	0.0	
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	24.0	0.0	
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	24.0	0.0	
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	24.0	0.0	
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	24.0	0.0	
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	24.0	0.0	
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	24.0	0.0	
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	24.0	0.0	
20	QPSK	1	1		23.23	23.34	23.18	24.0	0.0

Part27Q 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				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	24.0	0.0	
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	27.0	0.0	
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	27.0	0.0	
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	27.0	0.0	
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	27.0	0.0	
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	27.0	0.0	
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	27.0	0.0	
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	27.0	0.0	
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 Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	Pl2 BPSK	1	1		23.28			
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	137		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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.21	23.28	23.27	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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 Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3600.01				
100	Pl2 BPSK	1	1	25.79				
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	137	25.86			27.0	0.0
100	QPSK	1	271	25.83				
100	QPSK	135	0	25.18			26.0	1.0
100	QPSK	135	69	25.81			27.0	0.0
100	QPSK	135	138	24.93			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	3600.01	3605.02		
90	QPSK	1	1	25.79	25.78	25.76	27.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3489.02	3600.01	3610		
80	QPSK	1	1	25.72	25.82	25.72	27.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3600.01	3615.01		
70	QPSK	1	1	25.79	25.81	25.74	27.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3600.01	3620.02		
60	QPSK	1	1	25.71	25.79	25.78	27.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3600.01	3625		
50	QPSK	1	1	25.70	25.76	25.71	27.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3600.01	3630.01		
40	QPSK	1	1	25.71	25.85	25.76	27.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3600.01	3635.02		
30	QPSK	1	1	25.73	25.81	25.79	27.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3600.01	3640		
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	21.26	21.53	22.0	0.0	
40	PI2-BPSK	1	53	21.12	21.24	21.15			
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	26	21.06	21.16	21.10	20.5	0.5	
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	22.0	0.0	
40	QPSK	1	1	21.23	21.26	21.29			
40	QPSK	1	53	21.10	21.26	21.17			
40	QPSK	1	104	21.13	21.16	21.07	21.0	1.0	
40	QPSK	50	0	20.69	20.78	20.69	21.0	1.0	
40	QPSK	50	26	21.06	21.20	21.06	20.5	0.5	
40	QPSK	50	54	20.76	20.82	20.76	21.0	1.0	
40	QPSK	100	0	20.76	20.85	20.77	21.0	1.0	
40	SSB-AM	1	1	19.95	20.07	19.98	21.0	1.0	
40	SSB-AM	1	1	18.70	18.74	18.58	19.5	2.5	
40	SSB-AM	1	1	16.58	16.66	16.65	17.5	4.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	21.14	21.26	21.15	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	21.26	21.12	22.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	21.19	21.26	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	21.05	22.0	0.0	
100	PI2-BPSK	1	137	21.04	21.19	21.04			
100	PI2-BPSK	1	271	20.97	20.95	20.92			
100	PI2-BPSK	135	0	20.97	20.71	20.64	21.5	0.5	
100	PI2-BPSK	135	66	21.11	21.26	21.14	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	22.0	0.0	
100	QPSK	1	1	21.17	21.26	21.15			
100	QPSK	1	137	21.05	21.17	21.03			
100	QPSK	1	271	20.72	20.82	20.69	21.0	1.0	
100	QPSK	135	0	20.18	20.31	20.29	21.0	1.0	
100	QPSK	135	66	21.18	21.26	21.14	20.5	0.5	
100	QPSK	135	138	20.90	20.94	19.95	21.0	1.0	
100	QPSK	270	0	20.70	20.18	20.02	21.0	1.0	
100	SSB-AM	1	1	20.98	20.96	20.95	21.0	1.0	
100	SSB-AM	1	1	18.86	18.81	18.78	19.5	2.5	
100	SSB-AM	1	1	16.97	16.76	16.63	17.5	4.5	
Channel									
Frequency [MHz]									
90	QPSK	1	1	21.03	21.22	21.05	22.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	21.04	21.08	20.98	22.0	0.0	
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	21.25	21.11	22.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	21.10	21.16	21.12	22.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.03	21.25	21.04	22.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	21.05	21.26	21.03	20.5	0.5	

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	25.0	0.0	
100	PI2-BPSK	1	137	23.88	23.93	23.86			
100	PI2-BPSK	1	271	23.70	23.84	23.61			
100	PI2-BPSK	135	0	23.91	23.98	23.93	24.5	0.5	
100	PI2-BPSK	135	66	23.80	23.96	23.81	23.5	0.5	
100	PI2-BPSK	135	138	23.23	23.30	23.16	24.5	0.5	
100	PI2-BPSK	270	0	23.92	23.42	23.35	25.0	0.0	
100	QPSK	1	1	24.00	24.02	24.00			
100	QPSK	1	137	23.75	23.89	23.86			
100	QPSK	1	271	23.87	23.78	23.84	24.0	1.0	
100	QPSK	135	0	22.99	23.08	22.95	24.0	1.0	
100	QPSK	135	66	24.01	23.98	23.95	23.5	0.5	
100	QPSK	135	138	22.82	22.87	22.82	24.0	1.0	
100	QPSK	270	0	22.75	22.85	22.82	24.0	1.0	
100	SSB-AM	1	1	23.16	23.24	23.12	24.0	1.0	
100	SSB-AM	1	1	21.82	21.82	21.81	22.5	2.5	
100	SSB-AM	1	1	19.53	19.58	19.45	20.5	4.5	
Channel									
Frequency [MHz]									
90	QPSK	1	1	24.01	24.16	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	24.05	24.01	25.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	24.03	24.14	24.10	25.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	24.04	24.13	24.05	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	21.0	0.0	
40	PI2-BPSK	1	53	19.98	20.01	19.89			
40	PI2-BPSK	1	104	19.92	19.95	19.87			
40	PI2-BPSK	50	0	19.98	20.02	19.98	21.0	0.0	
40	PI2-BPSK	50	26	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	19.93	19.95	19.87	21.0	0.0	
40	QPSK	1	1	19.95	20.05	20.01			
40	QPSK	1	53	19.81	19.87	19.84			
40	QPSK	1	104	19.93	20.03	19.97	21.0	0.0	
40	QPSK	50	0	19.97	20.01	19.94	21.0	0.0	
40	QPSK	50	26	19.91	20.02	19.91	21.0	0.0	
40	QPSK	50	54	19.77	19.91	19.85	21.0	0.0	
40	QPSK	100	0	19.91	20.01	19.95	21.0	0.0	
40	QPSK	1	1	19.86	20.06	19.86	21.0	0.0	
40	QPSK	1	53	19.86	20.06	19.86	21.0	0.0	
40	QPSK	1	104	19.43	19.51	19.45	19.5	1.0	
Frequency [MHz]									
40	QPSK	1	1	19.86	19.86	19.86	19.45	1.0	MPE
40	QPSK	1	53	19.86	19.86	19.86	19.45	1.0	MPE
10	QPSK	1	1	19.54	20.00	19.55	21.0	0.0	

Part270 n77 Ant8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turnup time (dBm)	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	22.02			
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	21.92	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	Turn-up time (dB)	MPR	
Frequency (MHz)									
90	QPSK	1	1	22.33	22.04	22.02	24.0	0.0	
Channel				849334	850000	849668	Turn-up time (dB)	MPR	
Frequency (MHz)									
90	QPSK	1	1	22.47	22.05	22.02	24.0	0.0	
Channel				849000	850000	849500	Turn-up time (dB)	MPR	
Frequency (MHz)									
70	QPSK	1	1	22.43	22.09	22.01	24.0	0.0	
Channel				848668	850000	849334	Turn-up time (dB)	MPR	
Frequency (MHz)									
60	QPSK	1	1	22.50	22.60	22.51	25.0	0.0	
Channel				848334	849000	848668	Turn-up time (dB)	MPR	
Frequency (MHz)									
50	QPSK	1	1	22.49	22.04	22.09	23.0	0.0	
Channel				848000	849000	848500	Turn-up time (dB)	MPR	
Frequency (MHz)									
40	QPSK	1	1	22.33	22.03	22.01	23.0	0.0	
Channel				847668	848000	847834	Turn-up time (dB)	MPR	
Frequency (MHz)									
30	QPSK	1	1	22.43	22.05	22.01	20.0	0.0	
Channel				847334	848000	847668	Turn-up time (dB)	MPR	
Frequency (MHz)									
20	QPSK	1	1	22.52	22.05	22.01	24.0	0.0	

Part270 n77 PC2 Ant8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turnup time (dBm)	MPR (dB)	
Channel				850000	856000	852000			
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	25.02	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	25.06			
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	24.89	24.92	18.0	1.0	
100	QPSK	270	0	24.81	24.87	24.88			
100	16QAM	1	1	24.95	24.88	24.90	26.0	1.0	
100	16QAM	1	1	23.15	23.23	23.19	24.0	2.0	
100	16QAM	1	1	20.94	21.01	20.98	21.0	4.0	
Channel				849568	850000	849234	Turn-up time (dB)	MPR	
Frequency (MHz)									
90	QPSK	1	1	25.49	25.00	25.44	27.0	0.0	
Channel				849334	850000	849668	Turn-up time (dB)	MPR	
Frequency (MHz)									
90	QPSK	1	1	25.53	25.00	25.00	27.0	0.0	
Channel				849000	850000	849500	Turn-up time (dB)	MPR	
Frequency (MHz)									
70	QPSK	1	1	25.51	25.04	25.42	27.0	0.0	
Channel				848668	850000	849334	Turn-up time (dB)	MPR	
Frequency (MHz)									
60	QPSK	1	1	25.46	25.01	25.51	27.0	0.0	
Channel				848334	849000	848668	Turn-up time (dB)	MPR	
Frequency (MHz)									
50	QPSK	1	1	25.44	25.00	25.51	27.0	0.0	
Channel				848000	849000	848500	Turn-up time (dB)	MPR	
Frequency (MHz)									
40	QPSK	1	1	25.54	25.04	25.51	27.0	0.0	
Channel				847668	848000	847834	Turn-up time (dB)	MPR	
Frequency (MHz)									
30	QPSK	1	1	25.49	25.00	25.48	27.0	0.0	
Channel				847334	848000	847668	Turn-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)	MFR (dB)	
Channel				633334					
Frequency (MHz)									
100	PIQ-BPSK	1	1		22.76				
100	PIQ-BPSK	1	137		22.67		24.0	0.0	
100	PIQ-BPSK	1	271		22.71				
100	PIQ-BPSK	135	0		22.28		23.5	0.5	
100	PIQ-BPSK	135	66		22.76		24.0	0.0	
100	PIQ-BPSK	135	136		22.24		23.5	0.5	
100	PIQ-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		21.78		23.0	1.0	
100	QPSK	135	66		22.76		24.0	0.0	
100	QPSK	135	136		21.74		23.0	1.0	
100	QPSK	270	0		21.70				
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	634000	MFR (dB)	
Frequency (MHz)									
90	QPSK	1	1		22.03	22.63	22.59	24.0	0.0
Channel				633056		633334	634000	MFR (dB)	
Frequency (MHz)									
80	QPSK	1	1		22.09	22.68	22.63	24.0	0.0
Channel				633224		633334	634000	MFR (dB)	
Frequency (MHz)									
70	QPSK	1	1		22.05	22.70	22.60	24.0	0.0
Channel				633056		633334	634000	MFR (dB)	
Frequency (MHz)									
60	QPSK	1	1		22.03	22.69	22.60	24.0	0.0
Channel				633056		633334	634000	Tuneup time (min)	MFR (dB)
Frequency (MHz)									
50	QPSK	1	1		22.07	22.68	22.60	24.0	0.0
Channel				633334		633334	633334	24.0	0.0
Frequency (MHz)									
40	QPSK	1	1		22.00	22.69	22.59	24.0	0.0
Channel				633056		633334	634000	Tuneup time (min)	MFR (dB)
Frequency (MHz)									
30	QPSK	1	1		22.04	22.74	22.59	24.0	0.0
Channel				633056		633334	634000	Tuneup time (min)	MFR (dB)
Frequency (MHz)									
20	QPSK	1	1		22.72	22.75	22.68	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)	MFR (dB)	
Channel				633334					
Frequency (MHz)									
100	PIQ-BPSK	1	1		25.86				
100	PIQ-BPSK	1	137		25.51		27.0	0.0	
100	PIQ-BPSK	1	271		25.70				
100	PIQ-BPSK	135	0		25.29		26.5	0.5	
100	PIQ-BPSK	135	66		25.66		27.0	0.0	
100	PIQ-BPSK	135	136		24.98		26.5	0.5	
100	PIQ-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		23.48		24.5	2.5	
100	16QAM	1	1		11.70		12.5	4.5	
Channel				633050		633334	634000	Tune-up time (min)	MFR (dB)
Frequency (MHz)									
90	QPSK	1	1		25.04	25.66	25.57	0.0	
Channel				633056		633334	634000	Tune-up time (min)	MFR (dB)
Frequency (MHz)									
80	QPSK	1	1		25.09	25.62	25.59	0.0	
Channel				633224		633224	Tune-up time (min)	MFR (dB)	
Frequency (MHz)									
70	QPSK	1	1		25.03	25.57	25.45	0.0	
Channel				633056		633334	634000	Tune-up time (min)	MFR (dB)
Frequency (MHz)									
60	QPSK	1	1		25.05	25.68	25.57	0.0	
Channel				633056		633334	634000	Tune-up time (min)	MFR (dB)
Frequency (MHz)									
50	QPSK	1	1		25.01	25.62	25.50	0.0	
Channel				633334		633334	Tune-up time (min)	MFR (dB)	
Frequency (MHz)									
40	QPSK	1	1		25.05	25.63	25.61	0.0	
Channel				633056		633334	634000	Tune-up time (min)	MFR (dB)
Frequency (MHz)									
30	QPSK	1	1		25.03	25.69	25.60	0.0	
Channel				633056		633334	634000	Tune-up time (min)	MFR (dB)
Frequency (MHz)									
20	QPSK	1	1		25.03	25.62	25.50	0.0	



Part270 n78 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)	MPS (dB)	
Channel									
Frequency [MHz]				3750	3750	3750			
100	PSS-BPSK	1	1	22.84	22.84				
100	PSS-BPSK	1	137	22.85	22.85		24.0	0.0	
100	PSS-BPSK	1	271	22.84	22.84				
100	PSS-BPSK	135	0	22.82	22.82		23.0	0.5	
100	PSS-BPSK	135	40	22.85	22.85		24.0	0.0	
100	PSS-BPSK	135	136	22.86	22.86		23.0	0.5	
100	PSS-BPSK	270	0	22.80	22.80				
100	QPSK	1	1	22.87	22.87				
100	QPSK	1	137	22.89	22.89		24.0	0.0	
100	QPSK	1	271	22.88	22.88				
100	QPSK	135	0	21.95	21.95		23.0	1.0	
100	QPSK	135	40	21.96	21.96		24.0	0.0	
100	QPSK	135	136	21.98	21.98		23.0	1.0	
100	QPSK	270	0	21.80	21.80				
100	ISACAM	1	1	21.81	21.81		23.0	1.0	
100	ISACAM	1	1	20.26	20.26		21.0	2.5	
100	ISACAM	1	1	17.34	17.34		19.0	4.5	
Channel									
Frequency [MHz]				64968	65000	650324	24.0	0.0	
90	QPSK	1	1	22.51	22.54	22.50	24.0	0.0	
Channel									
Frequency [MHz]				649334	650000	650868	24.0	0.0	
80	QPSK	1	1	22.57	22.58 <td>22.54</td> <td>24.0</td> <td colspan="2" rowspan="2">0.0</td>	22.54	24.0	0.0	
Channel									
Frequency [MHz]				3750	3750	3750	24.0	0.0	
70	QPSK	1	1	22.80	22.84	22.81	24.0	0.0	
Channel									
Frequency [MHz]				64968	650000	650324	24.0	0.0	
60	QPSK	1	1	22.60	22.60	22.60	24.0	0.0	
Channel									
Frequency [MHz]				649334	650000	650868	24.0	0.0	
50	QPSK	1	1	22.55	22.61	22.58	24.0	0.0	
Channel									
Frequency [MHz]				649000	650000	652000	24.0	0.0	
40	QPSK	1	1	22.58	22.58	22.52	24.0	0.0	
Channel									
Frequency [MHz]				3750	3750	3750	24.0	0.0	
30	QPSK	1	1	22.61	22.54	22.48	24.0	0.0	
Channel									
Frequency [MHz]				649334	650000	650868	24.0	0.0	
20	QPSK	1	1	22.56	22.56	22.59	24.0	0.0	

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)	MPS (dB)	
Channel									
Frequency [MHz]				3750	3750	3750			
100	PSS-BPSK	1	1	25.41	25.41				
100	PSS-BPSK	1	137	25.33	25.33		27.0	0.0	
100	PSS-BPSK	1	271	25.05	25.05				
100	PSS-BPSK	135	0	24.97	24.97		26.0	0.5	
100	PSS-BPSK	135	40	25.36	25.36		27.0	0.0	
100	PSS-BPSK	135	136	24.81	24.81		26.0	0.5	
100	PSS-BPSK	270	0	24.82	24.82				
100	QPSK	1	1	25.05	25.05				
100	QPSK	1	137	25.33	25.33		27.0	0.0	
100	QPSK	1	271	25.14	25.14				
100	QPSK	135	0	24.56	24.56		26.0	1.0	
100	QPSK	135	40	24.41	24.41		27.0	0.0	
100	QPSK	135	136	24.59	24.59		26.0	1.0	
100	QPSK	270	0	24.52	24.52				
100	ISACAM	1	1	24.67	24.67		26.0	1.0	
100	ISACAM	1	1	23.18	23.18		24.0	2.5	
100	ISACAM	1	1	20.37	20.37		22.0	4.5	
Channel									
Frequency [MHz]				64968	650000	650324	Turn-up time	MPS	
90	QPSK	1	1	25.45	25.42	25.50	27.0	0.0	
Channel									
Frequency [MHz]				649334	650000	650868	Turn-up time	MPS	
80	QPSK	1	1	25.37	25.41	25.37	27.0	0.0	
Channel									
Frequency [MHz]				3750	3750	3750	Turn-up time	MPS	
70	QPSK	1	1	25.45	25.39	25.31	27.0	0.0	
Channel									
Frequency [MHz]				64968	650000	650324	Turn-up time	MPS	
60	QPSK	1	1	25.41	25.47	25.38	27.0	0.0	
Channel									
Frequency [MHz]				649334	650000	650868	Turn-up time	MPS	
50	QPSK	1	1	25.48	25.48	25.57	27.0	0.0	
Channel									
Frequency [MHz]				649000	650000	652000	Turn-up time	MPS	
40	QPSK	1	1	25.47	25.48	25.35	27.0	0.0	
Channel									
Frequency [MHz]				3750	3750	3750	Turn-up time	MPS	
30	QPSK	1	1	25.52	25.48	25.33	27.0	0.0	
Channel									
Frequency [MHz]				649334	650000	650868	Turn-up time	MPS	
20	QPSK	1	1	25.56	25.41	25.42	27.0	0.0	

Part27Q n78 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)	MPS (dB)	
Channel									
Frequency [MHz]				63334	63334	63334			
100	PSS-BPSK	1	1	22.88	22.88		24.0	0.0	
100	PSS-BPSK	1	137	22.89	22.89				
100	PSS-BPSK	1	271	22.71	22.71				
100	PSS-BPSK	135	0	22.28	22.28		23.0	0.5	
100	PSS-BPSK	135	40	22.72	22.72		24.0	0.0	
100	PSS-BPSK	135	136	22.27	22.27		23.0	0.5	
100	PSS-BPSK	270	0	22.19	22.19				
100	QPSK	1	1	22.77	22.77				
100	QPSK	1	137	22.83	22.83		24.0	0.0	
100	QPSK	1	271	22.68	22.68				
100	QPSK	135	0	21.71	21.71		23.0	1.0	
100	QPSK	135	40	21.74	21.74		24.0	0.0	
100	QPSK	135	136	21.76	21.76		23.0	1.0	
100	QPSK	270	0	21.67	21.67				
100	ISACAM	1	1	21.80	21.80		23.0	1.0	
100	ISACAM	1	1	20.29	20.29		21.0	2.5	
100	ISACAM	1	1	17.16	17.16		19.0	4.5	
Channel									
Frequency [MHz]				63366	63334	63368			
90	QPSK	1	1	22.70	22.73	22.64	24.0	0.0	
Channel									
Frequency [MHz]				63368	63334	63400			
80	QPSK	1	1	22.69	22.67	22.64	24.0	0.0	
Channel									
Frequency [MHz]				3480.01	3480.01	3480.01			
70	QPSK	1	1	22.68	22.69	22.65	24.0	0.0	
Channel									
Frequency [MHz]				63366	63334	63368			
60	QPSK	1	1	22.71	22.67	22.63	24.0	0.0	
Channel									
Frequency [MHz]				63368	63334	63400			
50	QPSK	1	1	22.64	22.68	22.65	24.0	0.0	
Channel									
Frequency [MHz]				63334	63334	63334			
40	QPSK	1	1	22.59	22.71	22.64	24.0	0.0	
Channel									
Frequency [MHz]				63334	63334	63334			
30	QPSK	1	1	22.58	22.65	22.62	24.0	0.0	
Channel									
Frequency [MHz]				63366	63334	63368			
20	QPSK	1	1	22.60	22.68	22.65	24.0	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	PUS-BPSK	1	1	19.50	19.54	19.50	21.0	0.0
30	PUS-BPSK	1	30	19.50	19.50	19.50		
40	PUS-BPSK	1	104	19.48	19.50	19.52		
50	PUS-BPSK	50	5	19.48	19.54	19.48	21.0	0.0
60	PUS-BPSK	50	56	19.47	19.53	19.45	21.0	0.0
70	PUS-BPSK	50	56	19.48	19.50	19.48	21.0	0.0
80	PUS-BPSK	100	0	19.57	19.57	19.48		
90	QPSK	1	1	19.45	19.54	19.50		
100	QPSK	1	30	19.50	19.47	19.50	21.0	0.0
110	QPSK	1	104	19.48	19.52	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	19.48		
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	SSBQAM	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	19.53	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	PUS-BPSK	1	1	19.43	19.53	19.38		
50	PUS-BPSK	1	108	19.41	19.50	19.52	21.0	0.0
60	PUS-BPSK	1	214	19.38	19.41	19.57		
70	PUS-BPSK	108	0	19.43	19.52	19.46	21.0	0.0
80	PUS-BPSK	108	54	19.45	19.50	19.53	21.0	0.0
90	PUS-BPSK	108	108	19.50	19.55	19.50	21.0	0.0
100	PUS-BPSK	216	0	19.51	19.51	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	108	0	19.46	19.50	19.47	21.0	0.0
150	QPSK	108	54	19.50	19.50	19.50	21.0	0.0
160	QPSK	108	108	19.58	19.49	19.48	21.0	0.0
170	QPSK	216	0	19.45	19.54	19.37		
180	HQAM	1	1	19.43	19.50	19.40	21.0	0.0
190	HQAM	1	1	19.47	19.46	19.45		
200	SSBQAM	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	19.55	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	19.37	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)								
50	PUS-BPSK	1	1		21.84			
60	PUS-BPSK	1	30		21.81		23.0	0.0
70	PUS-BPSK	1	50		21.73			
80	PUS-BPSK	20	0		21.78		23.0	0.0
90	PUS-BPSK	20	14		21.84		23.0	0.0
100	PUS-BPSK	20	27		21.80		23.0	0.0
110	PUS-BPSK	40	0		21.79			
120	QPSK	1	1		21.80		23.0	0.0
130	QPSK	1	30		21.80			
140	QPSK	1	50		21.72			
150	QPSK	20	0		21.78		23.0	0.0
160	QPSK	20	14		21.83		23.0	0.0
170	QPSK	20	27		21.78		23.0	0.0
180	QPSK	40	0		21.82			
190	HQAM	1	1		21.71		23.0	0.0
200	HQAM	1	1		21.64			
210	SSBQAM	1	1		19.18		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	PUS-BPSK	1	1	18.08	18.79	18.73		
50	PUS-BPSK	1	108	18.81	18.87	18.74	18.5	0.0
60	PUS-BPSK	1	214	18.85	18.78	18.75		
70	PUS-BPSK	108	0	18.73	18.88	18.78	18.5	0.0
80	PUS-BPSK	108	54	18.84	18.85	18.80	18.5	0.0
90	PUS-BPSK	108	108	18.90	18.90	18.86	18.5	0.0
100	PUS-BPSK	216	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	108	0	18.84	18.92	18.86	18.5	0.0
150	QPSK	108	54	18.88	18.93	18.85	18.5	0.0
160	QPSK	108	108	18.94	18.90	18.83	18.5	0.0
170	QPSK	216	0	18.82	18.78	18.74		
180	HQAM	1	1	18.78	18.91	18.86	18.5	0.0
190	HQAM	1	1	18.81	18.81	18.81		
200	SSBQAM	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	18.80	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

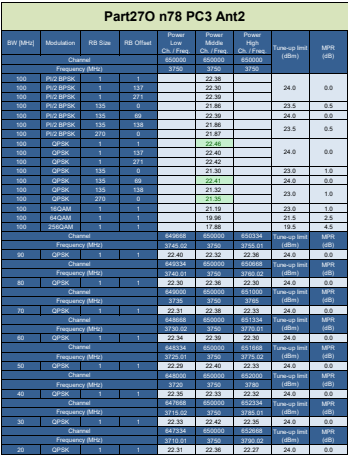


Part270 n77 PC3 Ant2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PLC BPSK	1	1	22.41	22.50	22.45	
100	PLC BPSK	1	137	22.48	22.41	22.48	24.0
100	PLC BPSK	1	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	22.34	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	22.50	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	22.44	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		21.75		23.0
100	QPSK	270	0		21.91		
100	8QAM	1	1		22.30		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		22.84		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	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1		25.11	25.14	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1		25.10	25.13	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1		25.11	25.13	24.0



Part270 n78 PC Ant2										
Bit (MHz)	Modulation	Channel	Bit Rate	FS Offset	Time to Acquire	Time to Lock	Time to Lock	High Power Time	Frequency Error (ppm)	APR (dB)
Frequency										
150	PSK	150.0	1	0	27.20	27.20	27.20			
150	PSK	150.0	1	167	22.35	22.35	22.35	24.0	0.0	
150	PSK	150.0	1	333	22.35	22.35	22.35	24.0	0.0	
150	PSK	150.0	1	500	22.35	22.35	22.35	24.0	0.0	
150	PSK	150.0	1	667	22.35	22.35	22.35	24.0	0.0	
150	PSK	150.0	1	833	22.35	22.35	22.35	24.0	0.0	
150	PSK	150.0	1	1000	22.35	22.35	22.35	24.0	0.0	
Channel										
150	QPSK	273.0	0	0	22.28	22.28	22.28			
150	QPSK	273.0	1	167	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	500	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	833	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	1000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	1667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	3333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	5000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	6667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	8333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	10000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	16667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	33333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	50000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	66667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	83333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	100000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	166667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	500000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	833333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	1000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	1666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	3333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	5000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	6666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	8333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	10000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	16666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	33333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	50000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	66666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	83333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	100000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	166666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	500000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	833333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	1000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	1666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	3333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	5000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	6666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	8333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	10000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	16666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	33333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	50000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	66666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	83333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	100000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	166666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	500000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	833333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	1000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	1666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	3333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	5000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	6666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	8333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	10000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	16666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	33333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	50000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	66666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	83333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	100000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	166666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	333333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	500000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	666666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	833333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	1000000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	1666666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	3333333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	5000000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	6666666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	8333333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	10000000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	16666666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	33333333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	50000000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	66666666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	83333333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	100000000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	166666666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	333333333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	500000000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	666666666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	833333333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	1000000000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	1666666666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	3333333333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	5000000000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	6666666666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	8333333333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	10000000000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	16666666666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	33333333333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	50000000000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	66666666666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	83333333333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	100000000000000000000	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	166666666666666666667	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	333333333333333333333	22.28	22.28	22.28	24.0	0.0	
150	QPSK	273.0	1	500000000000000000000	22.2					

Part270 n78 PC3 Ant2									
RF MHz	Modulation	RF Side	RF Offset	Time Type	Time Value	Time Unit	High Power	Interp Type	MPN Value
Channel									
				Frequency (MHz)	81300.0	153534	813680		MPN
100	PS-SSB	0	0	Time	23.24	0.01			MPN
100	PS-SSB	1	149	Time	23.24	0.01		24.1	0.0
100	PS-SSB	0	0	Time	23.24	0.01			MPN
100	PS-SSB	156	0	Time	23.23	0.01		23.5	0.0
100	PS-SSB	156	136	Time	23.26	0.01		24.0	0.0
100	PS-SSB	213	0	Time	23.22	0.01			MPN
100	PS-SSB	213	136	Time	23.25	0.01		24.1	0.0
100	QPSK	0	149	Time	23.26	0.01			MPN
100	QPSK	1	136	Time	23.23	0.01		23.5	0.0
100	QPSK	156	0	Time	23.22	0.01		23.5	1.0
100	QPSK	156	136	Time	23.25	0.01		24.0	1.0
100	QPSK	213	0	Time	23.28	0.01		23.5	1.0
100	QPSK	213	136	Time	23.27	0.01		24.0	1.0
100	SSB400	0	0	Time	23.22	0.01		23.5	2.0
100	SSB400	1	136	Time	23.26	0.01		24.0	2.0
Channel									
				Frequency (MHz)	81300.0	153534	813680		MPN
50	QPSK	0	0	Time	23.11	23.36	23.35	24.0	0.0
50	QPSK	1	136	Time	23.12	23.35	23.34	24.0	0.0
50	QPSK	156	0	Time	23.11	23.35	23.34	24.0	0.0
50	QPSK	156	136	Time	23.12	23.34	23.33	24.0	0.0
50	QPSK	213	0	Time	23.11	23.35	23.34	24.0	0.0
50	QPSK	213	136	Time	23.12	23.34	23.33	24.0	0.0
Channel									
				Frequency (MHz)	346.81	3600.01	346.81		MPN
100	QPSK	0	0	Time	23.15	23.33	23.32	24.0	0.0
100	QPSK	1	136	Time	23.16	23.32	23.31	24.0	0.0
100	QPSK	156	0	Time	23.15	23.32	23.31	24.0	0.0
100	QPSK	156	136	Time	23.16	23.31	23.30	24.0	0.0
100	QPSK	213	0	Time	23.15	23.32	23.31	24.0	0.0
100	QPSK	213	136	Time	23.16	23.31	23.30	24.0	0.0
Channel									
				Frequency (MHz)	813680	153534	81300.0		MPN
100	PS-SSB	0	0	Time	23.24	0.01			MPN
100	PS-SSB	1	149	Time	23.24	0.01		24.1	0.0
100	PS-SSB	0	0	Time	23.24	0.01			MPN
100	PS-SSB	156	0	Time	23.23	0.01		23.5	0.0
100	PS-SSB	156	136	Time	23.26	0.01		24.0	0.0
100	PS-SSB	213	0	Time	23.22	0.01			MPN
100	PS-SSB	213	136	Time	23.25	0.01		24.1	0.0
Channel									
				Frequency (MHz)	813680	153534	81300.0		MPN
50	QPSK	0	0	Time	23.14	23.34	23.33	24.0	0.0
50	QPSK	1	136	Time	23.15	23.33	23.32	24.0	0.0
50									

Part270 n78 PC2 Ant2							
RF MHz	Modulation	Channel	RF Offset	Power [dBm]	Modulation MCS	Max Data Rate [Mbps]	RF Power [dBm]
Channel							
RF Channel				61800	61834	61868	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				61868	61934	61968	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				61968	62034	62068	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				62068	62134	62168	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				62168	62234	62268	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				62268	62334	62368	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				62368	62434	62468	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				62468	62534	62568	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				62568	62634	62668	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				62668	62734	62768	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				62768	62834	62868	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				62868	62934	62968	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				62968	63034	63068	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				63068	63134	63168	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				63168	63234	63268	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				63268	63334	63368	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				63368	63434	63468	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				63468	63534	63568	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				63568	63634	63668	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				63668	63734	63768	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				63768	63834	63868	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				63868	63934	63968	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				63968	64034	64068	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				64068	64134	64168	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				64168	64234	64268	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				64268	64334	64368	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				64368	64434	64468	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				64468	64534	64568	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				64568	64634	64668	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				64668	64734	64768	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				64768	64834	64868	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				64868	64934	64968	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				64968	65034	65068	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				65068	65134	65168	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				65168	65234	65268	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				65268	65334	65368	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				65368	65434	65468	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				65468	65534	65568	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				65568	65634	65668	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				65668	65734	65768	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				65768	65834	65868	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				65868	65934	65968	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				65968	66034	66068	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				66068	66134	66168	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				66168	66234	66268	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				66268	66334	66368	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				66368	66434	66468	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				66468	66534	66568	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				66568	66634	66668	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				66668	66734	66768	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				66768	66834	66868	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				66868	66934	66968	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				66968	67034	67068	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				67068	67134	67168	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				67168	67234	67268	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				67268	67334	67368	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				67368	67434	67468	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5	23.5	24.0
Channel							
RF Channel				67468	67534	67568	Time-up test
50	FSK	1	1	23.5	23.5	23.5	24.0
Frequency (MHz)							
50	FSK	1	1	23.5	23.5		

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	645332		
Frequency (MHz)				3520	3624.99	3679.98		
40	Pi/2 BPSK	1	1	18.13	19.15	19.01		
40	Pi/2 BPSK	1	53	18.95	19.03	18.90	20.0	0.0
40	Pi/2 BPSK	1	104	18.85	18.92	18.72		
40	Pi/2 BPSK	50	0	18.86	19.01	19.02	20.0	0.0
40	Pi/2 BPSK	50	28	19.10	19.12	18.96	20.0	0.0
40	Pi/2 BPSK	50	56	18.89	18.95	18.93	20.0	0.0
40	Pi/2 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	645332		
Frequency (MHz)				3560.01	3624.99	3680		
20	QPSK	1	1	19.00	19.03	18.95	20.0	0.0
Channel				637000	641666	645332		
Frequency (MHz)				3565	3624.99	3684.98		
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	660000		
Frequency (MHz)				3750	3840	3930		
100	Pi/2 BPSK	1	1	14.14	14.27	14.22		
100	Pi/2 BPSK	1	137	14.16	14.30	14.26	15.5	0.0
100	Pi/2 BPSK	1	271	14.20	14.31	14.19		
100	Pi/2 BPSK	135	0	14.31	14.35	14.24	15.5	0.0
100	Pi/2 BPSK	135	69	14.21	14.29	14.13	15.5	0.0
100	Pi/2 BPSK	135	138	14.07	14.24	14.10	15.5	0.0
100	Pi/2 BPSK	270	0	14.12	14.27	14.13		
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	650000	652332		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	14.17	14.23	14.09	15.5	0.0
Channel				648334	650000	652668		
Frequency (MHz)				3735	3840	3945		
80	QPSK	1	1	14.09	14.31	14.18	15.5	0.0
Channel				649000	650000	653000		
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	14.11	14.29	14.07	15.5	0.0
Channel				648668	650000	653334		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	14.22	14.22	14.16	15.5	0.0
Channel				648334	650000	653668		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	14.15	14.30	14.09	15.5	0.0
Channel				648000	650000	654000		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	14.08	14.28	14.12	15.5	0.0
Channel				647668	650000	654334		
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	14.14	14.33	14.21	15.5	0.0
Channel				647334	650000	654668		
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	Pi/2 BPSK	1	1		14.89			
100	Pi/2 BPSK	1	137		14.83		15.5	0.0
100	Pi/2 BPSK	1	271		14.82			
100	Pi/2 BPSK	135	0		14.87		15.5	0.0
100	Pi/2 BPSK	135	69		14.92		15.5	0.0
100	Pi/2 BPSK	135	138		14.86		15.5	0.0
100	Pi/2 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	3510.01		
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	14.83	14.85	14.97	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	14.86	14.88	14.82	15.5	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
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	14.98	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	14.28	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 (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.05	22.08	22.13	23.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.14	22.14	22.04	23.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.14	22.03	22.11	23.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.13	22.07	22.08	23.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.06	22.12	22.14	23.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.13	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			
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	23.0	0.0	
40	PI2 BPSK	1	104	22.14	22.20	22.11			
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			
40	QPSK	1	1	22.18	22.31	22.17			
40	QPSK	1	53	22.16	22.25	22.23	23.0	0.0	
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			
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			
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			
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			
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	23.0	0.0	
100	PI2 BPSK	1	271	22.18	22.32	22.18			
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			
100	QPSK	1	1	22.30	22.41	22.38			
100	QPSK	1	137	22.33	22.37	22.31	23.0	0.0	
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			
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			
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			
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			
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			
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			
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			
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			
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			
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	23.0	0.0	
100	PI2 BPSK	1	271	22.18	22.32	22.18			
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			
100	QPSK	1	1	22.30	22.41	22.38			
100	QPSK	1	137	22.33	22.37	22.31	23.0	0.0	
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			
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			
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			
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			
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			
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			
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			
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			
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	PI2 BPSK	1	1	19.82	19.92	19.75			
40	PI2 BPSK	1	53	19.71	19.85	19.81	21.0	0.0	
40	PI2 BPSK	1	104	19.86	19.99	19.95			
40	PI2 BPSK	50	0	19.72	19.87	19.75	21.0	0.0	
40	PI2 BPSK	50	28	19.77	19.86	19.77	21.0	0.0	
40	PI2 BPSK	50	56	19.84	19.87	19.77			
40	PI2 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	PI2 BPSK	1	1	20.71	20.82	20.78			
100	PI2 BPSK	1	137	20.78	20.85	20.81	22.0	0.0	
100	PI2 BPSK	1	271	20.76	20.84	20.75			
100	PI2 BPSK	135	0	20.72	20.82	20.79	22.0	0.0	
100	PI2 BPSK	135	69	20.89	20.93	20.79	22.0	0.0	
100	PI2 BPSK	135	138	20.87	20.90	20.82	22.0	0.0	
100	PI2 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	PI2 BPSK	1	1	20.71	20.82	20.78			
100	PI2 BPSK	1	137	20.78	20.85	20.81	22.0	0.0	
100	PI2 BPSK	1	271	20.76	20.84	20.75			
100	PI2 BPSK	135	0	20.72	20.82	20.79	22.0	0.0	
100	PI2 BPSK	135	69	20.89	20.93	20.79	22.0	0.0	
100	PI2 BPSK	135	138	20.87	20.90	20.82	22.0	0.0	
100	PI2 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	PSS-BPSK	1	1	23.01	23.18	23.05	
100	PSS-BPSK	1	137	23.06	23.09	23.05	24.0
100	PSS-BPSK	1	271	22.91	22.97	22.95	
100	PSS-BPSK	136	0	22.95	22.98	22.92	23.0
100	PSS-BPSK	136	0	22.95	22.93	22.94	23.0
100	PSS-BPSK	136	136	22.97	22.92	22.48	23.0
100	PSS-BPSK	270	0	22.91	22.90	22.98	
100	QPSK	1	1	23.01	23.18	23.05	
100	QPSK	1	137	22.96	23.13	23.04	24.0
100	QPSK	1	271	22.91	22.98	22.94	
100	QPSK	136	0	22.95	22.99	22.94	23.0
100	QPSK	136	0	22.96	22.94	22.98	23.0
100	QPSK	136	136	22.95	22.91	21.88	23.0
100	QPSK	270	0	22.95	22.91	22.92	23.0
100	MSKAM	1	1	23.19	23.93	23.84	23.0
100	MSKAM	1	1	18.15	18.77	18.73	18.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	22.97	23.12	22.91	24.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	23.09	23.10	22.97	24.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	22.95	23.13	22.95	24.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	22.98	23.04	22.92	24.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	22.97	23.09	22.98	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	PSS-BPSK	1	1	24.05	24.18	24.05	
100	PSS-BPSK	1	137	23.99	24.15	24.08	23.0
100	PSS-BPSK	1	271	23.95	24.07	23.95	
100	PSS-BPSK	136	0	23.99	24.08	23.97	25.0
100	PSS-BPSK	136	0	24.05	24.17	24.05	25.0
100	PSS-BPSK	136	136	24.09	24.48	23.95	25.0
100	PSS-BPSK	270	0	24.05	24.15	24.07	
100	QPSK	1	1	24.17	24.35	24.05	
100	QPSK	1	137	24.09	24.18	24.14	23.0
100	QPSK	1	271	23.97	24.04	23.95	
100	QPSK	136	0	23.97	24.03	23.91	25.0
100	QPSK	136	0	24.02	24.03	24.11	25.0
100	QPSK	136	136	23.98	24.03	23.85	23.0
100	QPSK	270	0	24.05	24.09	23.95	23.0
100	MSKAM	1	1	24.03	24.14	24.11	25.0
100	MSKAM	1	1	23.81	23.79	23.73	24.0
100	MSKAM	1	1	21.51	21.82	21.55	22.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	24.05	24.13	23.85	25.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	24.01	24.04	23.92	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	24.12	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	23.92	25.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	24.05	24.06	23.92	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	PSS-BPSK	1	1	23.38			
100	PSS-BPSK	1	137	23.28			24.0
100	PSS-BPSK	1	271	23.05			
100	PSS-BPSK	136	0	22.89			23.0
100	PSS-BPSK	136	0	22.84			23.0
100	PSS-BPSK	136	136	22.83			23.0
100	PSS-BPSK	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	22.35			23.0
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			21.0
100	MSKAM	1	1	18.67			18.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	23.24	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	23.19	23.28	23.14	24.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	23.18	23.32	23.19	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	Frequency BPSK	1	1	24.31			
100	Frequency BPSK	1	137	24.37			25.0
100	Frequency BPSK	1	271	24.32			
100	Frequency BPSK	136	0	24.31			25.0
100	Frequency BPSK	136	0	24.37			25.0
100	Frequency BPSK	136	136	24.40			25.0
100	Frequency BPSK	270	0	24.31			
100	QPSK	1	1	24.35			
100	QPSK	1	137	24.38			25.0
100	QPSK	1	271	24.31			
100	QPSK	136	0	24.35			25.0
100	QPSK	136	0	24.46			25.0
100	QPSK	136	136	24.31			25.0
100	QPSK	270	0	24.42			25.0
100	MSKAM	1	1	24.40			24.0
100	MSKAM	1	1	21.68			24.0
100	MSKAM	1	1	21.98			24.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	631606	631634	631650	25.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	24.40	24.30	24.46	25.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	24.33	24.33	24.43	25.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	24.40	24.40	24.58	25.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	24.41	24.40	24.59	25.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	24.40	24.37	24.58	25.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	24.37	24.30	24.42	25.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	24.34	24.30	24.44	25.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	24.31	24.30	24.43	25.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	631606	631634	631650	25.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	24.33	24.31	24.46	25.0



Part270 n78 PC3 Ant7								
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)	MPK (dB)
Channel								
Frequency [MHz]								
100	P1/2 BPSK	1	1	23.04				
100	P1/2 BPSK	1	137	23.15			24.0	0.0
100	P1/2 BPSK	1	271	23.12				
100	P1/2 BPSK	135	0	22.58			23.0	0.5
100	P1/2 BPSK	135	0	22.57			23.0	0.0
100	P1/2 BPSK	135	136	22.81			23.0	0.5
100	P1/2 BPSK	270	0	22.82			23.0	0.0
100	QPSK	1	1	23.13				
100	QPSK	1	137	23.09			24.0	0.0
100	QPSK	1	271	23.06				
100	QPSK	135	0	22.92			23.0	1.0
100	QPSK	135	0	22.91			23.0	0.5
100	QPSK	135	136	22.10			23.0	1.0
100	QPSK	270	0	22.07				
100	8QAM	1	1	22.22			23.0	1.0
100	8QAM	1	1	20.85			23.0	2.5
100	256QAM	1	1	18.46				
Channel								
Frequency [MHz]								
50	QPSK	1	1	22.50	850000	100200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	100800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	101400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	102000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	102600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	103200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	103800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	104400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	105000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	105600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	106200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	106800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	107400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	108000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	108600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	109200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	109800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	110400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	111000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	111600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	112200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	112800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	113400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	114000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	114600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	115200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	115800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	116400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	117000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	117600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	118200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	118800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	119400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	120000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	120600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	121200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	121800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	122400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	123000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	123600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	124200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	124800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	125400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	126000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	126600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	127200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	127800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	128400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	129000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	129600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	130200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	130800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	131400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	132000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	132600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	133200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	133800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	134400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	135000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	135600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	136200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	136800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	137400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	138000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	138600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	139200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	139800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	140400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	141000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	141600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	142200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	142800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	143400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	144000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	144600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	145200	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	145800	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	146400	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	147000	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	147600	24.0	0.0
50	QPSK	1	1	22.50				
50	QPSK	1	1	22.50	850000	148200	24.0	0.0
50								

Part270 n78 PC2 Ant7								
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)	MPK (dB)
Channel								
Frequency [MHz]								
100	P1/2 BPSK	1	1	24.00	24.00	24.00		
100	P1/2 BPSK	1	137	23.84	23.84	23.84	25.0	0.0
100	P1/2 BPSK	1	271	23.72	23.72	23.72		
100	P1/2 BPSK	135	0	24.10	24.10	24.10	25.0	0.0
100	P1/2 BPSK	135	0	24.09	24.09	24.09	25.0	0.0
100	P1/2 BPSK	135	136	23.80	23.80	23.80	25.0	0.0
100	P1/2 BPSK	270	0	23.87	23.87	23.87		
100	QPSK	1	1	23.75	23.75	23.75		
100	QPSK	1	137	23.88	23.88	23.88	25.0	0.0
100	QPSK	1	271	23.76	23.76	23.76		
100	QPSK	135	0	23.82	23.82	23.82	25.0	0.0
100	QPSK	135	0	23.81	23.81	23.81	25.0	0.0
100	QPSK	135	136	23.87	23.87	23.87	25.0	0.0
100	QPSK	270	0	23.74	23.74	23.74		
100	16QAM	1	1	24.05	24.05	24.05	25.0	0.0
100	16QAM	1	1	23.24	23.24	23.24	24.5	0.5
100	256QAM	1	1	21.51	21.51	21.51	22.5	2.5
Channel								
Frequency [MHz]								
50	QPSK	1	1	24.00	24.00	24.00	25.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	23.90	23.99	24.10	25.0	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1	23.95	24.08	24.30	25.0	0.0
Channel								
Frequency [MHz]								
60	QPSK	1	1	23.90	23.90	23.90	25.0	0.0
Channel								
Frequency [MHz]								
50	QPSK	1	1	24.00	24.00	24.00	25.0	0.0
Channel								
Frequency [MHz]								
40	QPSK	1	1	24.07	24.00	24.07	25.0	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	24.02	24.04	24.01	25.0	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	23.90	23.96	23.95	25.0	0.0

Part27Q n78 PC3 Ant7								
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)	MPK (dB)
Channel								
Frequency [MHz]								
100	P1/2 BPSK	1	1	23.38	23.38	23.38		
100	P1/2 BPSK	1	137	23.14	23.14	23.14	24.0	0.0
100	P1/2 BPSK	1	271	23.00	23.00	23.00		
100	P1/2 BPSK	135	0	22.64	22.64	22.64	23.0	0.0
100	P1/2 BPSK	135	0	22.62	22.62	22.62	23.0	0.0
100	P1/2 BPSK	135	136	22.81	22.81	22.81	23.0	0.5
100	P1/2 BPSK	270	0	22.48	22.48	22.48		
100	QPSK	1	1	23.35	23.35	23.35		
100	QPSK	1	137	23.16	23.16	23.16	24.0	0.0
100	QPSK	1	271	23.02	23.02	23.02		
100	QPSK	135	0	22.29	22.29	22.29	23.0	1.0
100	QPSK	135	0	22.27	22.27	22.27	23.0	0.0
100	QPSK	135	136	22.28	22.28	22.28	23.0	1.0
100	QPSK	270	0	22.21	22.21	22.21		
100	16QAM	1	1	22.33	22.33	22.33	23.0	1.0
100	16QAM	1	1	20.78	20.78	20.78	21.5	2.5
100	256QAM	1	1	18.60	18.60	18.60		
Channel								
Frequency [MHz]								
50	QPSK	1	1	23.01	23.34	23.00	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	23.17	23.27	23.20	24.0	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1	23.04	23.21	23.24	24.0	0.0
Channel								
Frequency [MHz]								
60	QPSK	1	1	23.19	23.25	23.24	24.0	0.0
Channel								
Frequency [MHz]								
50	QPSK	1	1	23.03	23.25	23.17	24.0	0.0
Channel								
Frequency [MHz]								
40	QPSK	1	1	23.23	23.26	23.27	24.0	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	23.22	23.24	23.16	24.0	0.0
Channel								
Frequency [MHz]								
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. 1 [Frac. @50000]	Power Media Ch. 1 [Frac. @50000]	Power High Ch. 1 [Frac. @50000]	Turn-up time (dBm)	MPK (dB)
Channel								
Frequency [MHz]								
100	P1/2 BPSK	1	1	24.35	24.35	24.35		
100	P1/2 BPSK	1	137	24.40	24.40	24.40	25.0	0.0
100	P1/2 BPSK	1	271	24.26	24.26	24.26		
100	P1/2 BPSK	135	0	24.34	24.34	24.34	25.0	0.0
100	P1/2 BPSK	135	0	24.30	24.30	24.30	25.0	0.0
100	P1/2 BPSK	135	136	24.40	24.40	24.40	25.0	0.0
100	P1/2 BPSK	270	0	24.32	24.32	24.32		
100	QPSK	1	1	24.30	24.30	24.30		
100	QPSK	1	137	24.44	24.44	24.44	25.0	0.0
100	QPSK	1	271	24.32	24.32	24.32		
100	QPSK	135	0	24.36	24.36	24.36	25.0	0.0
100	QPSK	135	136	24.35	24.35	24.35	25.0	0.0
100	QPSK	270	0	24.32	24.32	24.32	25.0	0.0
100	QPSK	270	0	24.28	24.28	24.28	25.0	0.0
100	8QAM	1	1	23.78	23.78	23.78	24.0	0.0
100	8QAM	1	1	23.78	23.78	23.78	24.0	0.0
Channel								
100	QPSK	1	0	010000	010000	010000	25.0	MPK
100	QPSK	1	1	24.38	24.41	24.38	25.0	0.0
100	QPSK	1	137	010000	010000	010000	25.0	MPK
100	QPSK	1	271	010000	010000	010000	25.0	MPK
100	QPSK	135	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	135	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	135	136	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
Channel								
100	QPSK	1	0	010000	010000	010000	25.0	MPK
100	QPSK	1	1	24.44	24.53	24.44	25.0	MPK
100	QPSK	1	137	24.45	24.52	24.45	25.0	0.0
100	QPSK	1	271	24.40	24.50	24.40	25.0	0.0
100	QPSK	135	0	24.40	24.50	24.40	25.0	0.0
100	QPSK	135	0	24.40	24.50	24.40	25.0	0.0
100	QPSK	135	136	24.40	24.50	24.40	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK	270	0	24.43	24.51	24.43	25.0	0.0
100	QPSK							



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				517002	519000	520998	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				518000	519000	522000	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				509202	518598	528000			
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				508200	518598	528996	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				507204	518598	529996	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				505200	518598	531996	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				504204	518598	532998	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				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.23	19.37	19.25	20.0	0.0	
Channel				502200	518598	534996	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				501204	518598	535996	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				505202	518598	528000			
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				508200	518598	528996	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				507204	518598	529996	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				505200	518598	531996	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				504204	518598	532998	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				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.23	19.37	19.25	20.0	0.0	
Channel				502200	518598	534996	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				501204	518598	535996	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	PUSC BPSK	1	1	21.05	21.21	21.05			
100	PUSC BPSK	1	137	21.10	21.18	21.10	22.0	0.0	
100	PUSC BPSK	1	271	21.05	21.12	21.05			
100	PUSC BPSK	136	0	21.10	21.18	21.10	22.0	0.0	
100	PUSC BPSK	136	0	21.05	21.08	21.05	22.0	0.0	
100	PUSC BPSK	136	136	20.90	21.07	21.00	22.0	0.0	
100	PUSC 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	PUSC BPSK	1	1	21.09	21.21	21.05			
100	PUSC BPSK	1	137	21.10	21.18	21.10	22.0	0.0	
100	PUSC BPSK	1	271	21.02	21.12	21.05			
100	PUSC BPSK	136	0	21.10	21.18	21.10	22.0	0.0	
100	PUSC BPSK	136	0	21.07	21.09	21.00	22.0	0.0	
100	PUSC BPSK	136	136	20.99	21.07	21.00	22.0	0.0	
100	PUSC BPSK	270	0	21.03	21.15	21.03			
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	21.02	21.04	21.04	22.0	0.0	
100	QPSK	136	136	21.05	21.17	21.05	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	20.30	21.10	21.00	22.0	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	PUSC BPSK	1	1	21.40					
100	PUSC BPSK	1	137		21.32		22.0	0.0	
100	PUSC BPSK	1	271		21.31				
100	PUSC BPSK	136	0		21.30		22.0	0.0	
100	PUSC BPSK	136	0		21.29		22.0	0.0	
100	PUSC BPSK	136	136			21.30	22.0	0.0	
100	PUSC 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		21.27		22.0	0.0	
100	QPSK	136	136			21.27	22.0	0.0	
100	QPSK	270	0		21.28				
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	21.09	21.30	21.34	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.30	21.29	21.30	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	PUSC BPSK	1	1	21.40					
100	PUSC BPSK	1	109	21.39			22.0	0.0	
100	PUSC BPSK	1	217	21.37			22.0	0.0	
100	PUSC BPSK	156	0	21.38			22.0	0.0	
100	PUSC BPSK	156	108	21.36			22.0	0.0	
100	PUSC BPSK	2170	0	21.28			22.0	0.0	
100	PUSC BPSK	2170	108	21.24			22.0	0.0	
100	QPSK	1	109	21.33			22.0	0.0	
100	QPSK	1	217	21.33			22.0	0.0	
100	QPSK	156	0	21.29			22.0	0.0	
100	QPSK	156	108	21.27			22.0	0.0	
100	QPSK	2170	0	21.28			22.0	0.0	
100	QPSK	2170	108	21.28			22.0	0.0	
100	8QAM4Q	1	1	21.41			22.0	0.0	
100	8QAM4Q	1	1	21.35			22.0	0.0	
Channel									
				615000	615350	615680	Turn-up time (dBm)	MIMO	
50	QPSK	1	1	21.39	21.38	21.35	22.0	0.0	
50	QPSK	1	1	615360	615350	615340	22.0	0.0	
50	QPSK	1	1	3045.00	3045.01	3045.02	22.0	0.0	
50	QPSK	1	1	21.30	21.29	21.30	22.0	0.0	
50	QPSK	1	1	3045.00	3045.01	3045.01	22.0	0.0	
50	QPSK	1	1	3045.01	3045.01	3045.01	22.0	0.0	
50	QPSK	1	1	21.36	21.35	21.36	22.0	0.0	
Channel									
				615360	615350	615340	Turn-up time (dBm)	MIMO	
50	QPSK	1	1	21.38	21.37	21.35	22.0	0.0	
50	QPSK	1	1	21.30	21.28	21.27	22.0	0.0	
50	QPSK	1	1	3045.01	3045.01	3045.01	22.0	0.0	
50	QPSK	1	1	21.36	21.35	21.33	22.0	0.0	
50	QPSK	1	1	3045.01	3045.01	3045.01	22.0	0.0	
Channel									
				615360	615350	615340	Turn-up time (dBm)	MIMO	
50	QPSK	1	1	21.34	21.33	21.30	22.0	0.0	
50	QPSK	1	1	21.30	21.34	21.33	22.0	0.0	

Part270 n78 PC3 Ant7_UL MIMO							
RF MIMO	Modulation	Channel	RF Offset	Time Slot	Power Mntr	Power Ctrl	Antenna Group
Frequency (MHz)				Power Mntr	Power Ctrl	Antenna Group	
100	PC3-PBMC	1	1	21.14	-	-	
100	PC3-PBMC	1	109	21.15	-	-	22 0
100	PC3-PBMC	1	219	21.07	-	-	22 0
100	PC3-PBMC	156	0	21.54	-	-	22 0
100	PC3-PBMC	156	109	21.55	-	-	22 0
100	PC3-PBMC	156	219	21.46	-	-	22 0
100	PC3-PBMC	219	0	21.07	-	-	22 0
100	PC3-PBMC	219	109	21.08	-	-	22 0
100	PC3-PBMC	219	219	21.09	-	-	22 0
100	PC3-PBMC	156	0	21.58	-	-	22 0
100	PC3-PBMC	156	109	21.59	-	-	22 0
100	PC3-PBMC	156	219	21.50	-	-	22 0
100	PC3-PBMC	219	0	21.03	-	-	22 0
100	PC3-PBMC	219	109	21.04	-	-	22 0
100	PC3-PBMC	219	219	21.05	-	-	22 0
100	PC3-PBMC	156	0	21.63	-	-	21 0
100	PC3-PBMC	156	109	21.64	-	-	21 0
100	PC3-PBMC	156	219	21.65	-	-	21 0
100	PC3-PBMC	219	0	21.11	-	-	22 0
100	PC3-PBMC	219	109	21.12	-	-	22 0
100	PC3-PBMC	219	219	21.13	-	-	22 0
100	PC3-PBMC	156	0	21.66	-	-	21 0
100	PC3-PBMC	156	109	21.67	-	-	21 0
100	PC3-PBMC	156	219	21.68	-	-	21 0
100	PC3-PBMC	219	0	21.14	-	-	22 0
100	PC3-PBMC	219	109	21.15	-	-	22 0
100	PC3-PBMC	219	219	21.16	-	-	22 0
100	PC3-PBMC	156	0	21.69	-	-	21 0
100	PC3-PBMC	156	109	21.70	-	-	21 0
100	PC3-PBMC	156	219	21.71	-	-	21 0
100	PC3-PBMC	219	0	21.17	-	-	22 0
100	PC3-PBMC	219	109	21.18	-	-	22 0
100	PC3-PBMC	219	219	21.19	-	-	22 0
100	PC3-PBMC	156	0	21.72	-	-	21 0
100	PC3-PBMC	156	109	21.73	-	-	21 0
100	PC3-PBMC	156	219	21.74	-	-	21 0
100	PC3-PBMC	219	0	21.20	-	-	22 0
100	PC3-PBMC	219	109	21.21	-	-	22 0
100	PC3-PBMC	219	219	21.22	-	-	22 0
100	PC3-PBMC	156	0	21.75	-	-	21 0
100	PC3-PBMC	156	109	21.76	-	-	21 0
100	PC3-PBMC	156	219	21.77	-	-	21 0
100	PC3-PBMC	219	0	21.23	-	-	22 0
100	PC3-PBMC	219	109	21.24	-	-	22 0
100	PC3-PBMC	219	219	21.25	-	-	22 0
100	PC3-PBMC	156	0	21.78	-	-	21 0
100	PC3-PBMC	156	109	21.79	-	-	21 0
100	PC3-PBMC	156	219	21.80	-	-	21 0
100	PC3-PBMC	219	0	21.26	-	-	22 0
100	PC3-PBMC	219	109	21.27	-	-	22 0
100	PC3-PBMC	219	219	21.28	-	-	22 0
100	PC3-PBMC	156	0	21.81	-	-	21 0
100	PC3-PBMC	156	109	21.82	-	-	21 0
100	PC3-PBMC	156	219	21.83	-	-	21 0
100	PC3-PBMC	219	0	21.29	-	-	22 0
100	PC3-PBMC	219	109	21.30	-	-	22 0
100	PC3-PBMC	219	219	21.31	-	-	22 0
100	PC3-PBMC	156	0	21.84	-	-	21 0
100	PC3-PBMC	156	109	21.85	-	-	21 0
100	PC3-PBMC	156	219	21.86	-	-	21 0
100	PC3-PBMC	219	0	21.32	-	-	22 0
100	PC3-PBMC	219	109	21.33	-	-	22 0
100	PC3-PBMC	219	219	21.34	-	-	22 0
100	PC3-PBMC	156	0	21.87	-	-	21 0
100	PC3-PBMC	156	109	21.88	-	-	21 0
100	PC3-PBMC	156	219	21.89	-	-	21 0
100	PC3-PBMC	219	0	21.35	-	-	22 0
100	PC3-PBMC	219	109	21.36	-	-	22 0
100	PC3-PBMC	219	219	21.37	-	-	22 0
100	PC3-PBMC	156	0	21.90	-	-	21 0
100	PC3-PBMC	156	109	21.91	-	-	21 0
100	PC3-PBMC	156	219	21.92	-	-	21 0
100	PC3-PBMC	219	0	21.38	-	-	22 0
100	PC3-PBMC	219	109	21.39	-	-	22 0
100	PC3-PBMC	219	219	21.40	-	-	22 0
100	PC3-PBMC	156	0	21.93	-	-	21 0
100	PC3-PBMC	156	109	21.94	-	-	21 0
100	PC3-PBMC	156	219	21.95	-	-	21 0
100	PC3-PBMC	219	0	21.41	-	-	22 0
100	PC3-PBMC	219	109	21.42	-	-	22 0
100	PC3-PBMC	219	219	21.43	-	-	22 0
100	PC3-PBMC	156	0	21.96	-	-	21 0
100	PC3-PBMC	156	109	21.97	-	-	21 0
100	PC3-PBMC	156	219	21.98	-	-	21 0
100	PC3-PBMC	219	0	21.44	-	-	22 0
100	PC3-PBMC	219	109	21.45	-	-	22 0
100	PC3-PBMC	219	219	21.46	-	-	22 0
100	PC3-PBMC	156	0	21.99	-	-	21 0
100	PC3-PBMC	156	109	22.00	-	-	21 0
100	PC3-PBMC	156	219	22.01	-	-	21 0
100	PC3-PBMC	219	0	21.47	-	-	22 0
100	PC3-PBMC	219	109	21.48	-	-	22 0
100	PC3-PBMC	219	219	21.49	-	-	22 0
100	PC3-PBMC	156	0	22.02	-	-	21 0
100	PC3-PBMC	156	109	22.03	-	-	21 0
100	PC3-PBMC	156	219	22.04	-	-	21 0
100	PC3-PBMC	219	0	21.50	-	-	22 0
100	PC3-PBMC	219	109	21.51	-	-	22 0
100	PC3-PBMC	219	219	21.52	-	-	22 0
100	PC3-PBMC	156	0	22.05	-	-	21 0
100	PC3-PBMC	156	109	22.06	-	-	21 0
100	PC3-PBMC	156	219	22.07	-	-	21 0
100	PC3-PBMC	219	0	21.53	-	-	22 0
100	PC3-PBMC	219	109	21.54	-	-	22 0
100	PC3-PBMC	219	219	21.55	-	-	22 0
100	PC3-PBMC	156	0	22.08	-	-	21 0
100	PC3-PBMC	156	109	22.09	-	-	21 0
100	PC3-PBMC	156	219	22.10	-	-	21 0
100	PC3-PBMC	219	0	21.56	-	-	22 0
100	PC3-PBMC	219	109	21.57	-	-	22 0
100	PC3-PBMC	219	219	21.58	-	-	22 0
100	PC3-PBMC	156	0	22.11	-	-	21 0
100	PC3-PBMC	156	109	22.12	-	-	21 0
100	PC3-PBMC	156	219	22.13	-	-	21 0
100	PC3-PBMC	219	0	21.59	-	-	22 0
100	PC3-PBMC	219	109	21.60	-	-	22 0
100	PC3-PBMC	219	219	21.61	-	-	22 0
100	PC3-PBMC	156	0	22.14	-	-	21 0
100	PC3-PBMC	156	109	22.15	-	-	21 0
100	PC3-PBMC	156	219	22.16	-	-	21 0
100	PC3-PBMC	219	0	21.62	-	-	22 0
100	PC3-PBMC	219	109	21.63	-	-	22 0
100	PC3-PBMC	219	219	21.64	-	-	22 0
100	PC3-PBMC	156	0	22.17	-	-	21 0
100	PC3-PBMC	156	109	22.18	-	-	21 0
100	PC3-PBMC	156	219	22.19	-	-	21 0
100	PC3-PBMC	219	0	21.65	-	-	22 0
100	PC3-PBMC	219	109	21.66	-	-	22 0
100	PC3-PBMC	219	219	21.67	-	-	22 0
100	PC3-PBMC	156	0	22.20	-	-	21 0
100	PC3-PBMC	156	109	22.21	-	-	21 0
100	PC3-PBMC	156	219	22.22	-	-	21 0
100	PC3-PBMC	219	0	21.68	-	-	22 0
100	PC3-PBMC	219	109	21.69	-	-	22 0
100	PC3-PBMC	219	219	21.70	-	-	22 0
100	PC3-PBMC	156	0	22.23	-	-	21 0
100	PC3-PBMC	156	109	22.24	-	-	21 0
100	PC3-PBMC	156	219	22.25	-	-	21 0
100	PC3-PBMC	219	0	21.71	-	-	22 0
100	PC3-PBMC	219	109	21.72	-	-	22 0
100	PC3-PBMC	219	219	21.73	-	-	22 0
100	PC3-PBMC	156	0	22.26	-	-	21 0
100	PC3-PBMC	156	109	22.27	-	-	21 0
100	PC3-PBMC	156	219	22.28	-	-	21 0
100	PC3-PBMC	219	0	21.74	-	-	22 0
100	PC3-PBMC	219	109	21.75	-	-	22 0
100	PC3-PBMC	219	219	21.76	-	-	22 0
100	PC3-PBMC	156	0	22.29	-	-	21 0
100	PC3-PBMC	156	109	22.30	-	-	21 0
100	PC3-PBMC	156	219	22.31	-	-	21 0
100	PC3-PBMC	219	0	21.77	-	-	22 0
100	PC3-PBMC	219	109	21.78	-	-	22 0
100	PC3-PBMC	219	219	21.79	-	-	22 0
100	PC3-PBMC	156	0	22.32	-	-	21 0
100	PC3-PBMC	156	109	22.33	-	-	21 0
100	PC3-PBMC	156	219	22.34	-	-	21 0
100	PC3-PBMC	219	0	21.80	-	-	22 0
100	PC3-PBMC	219	109	21.81	-	-	22 0
100	PC3-PBMC	219	219	21.82	-	-	22 0
100	PC3-PBMC	156	0	22.35	-	-	21 0
100	PC3-PBMC	156	109	22.36	-	-	21 0
100	PC3-PBMC	156	219	22.37	-	-	21 0
100	PC3-PBMC	219	0	21.83	-	-	22 0
100	PC3-PBMC	219	109	21.84	-	-	22 0
100	PC3-PBMC	219	219	21.85	-	-	22 0
100	PC3-PBMC	156	0	22.38	-	-	21 0
100	PC3-PBMC	156	109	22.39	-	-	21 0
100	PC3-PBMC	156	219	22.40	-	-	21 0
100	PC3-PBMC	219	0	21.86	-	-	22 0
100	PC3-PBMC	219	109	21.87	-	-	22 0
100	PC3-PBMC	219	219	21.88	-	-	22 0
100	PC3-PBMC	156	0	22.41	-	-	21 0
100	PC3-PBMC	156	109	22.42	-	-	21 0
100	PC3-PBMC	156	219	22.43	-	-	21 0
100	PC3-PBMC	219	0	21.89	-	-	22 0
100	PC3-PBMC	219	109	21.90	-	-	22 0
100	PC3-PBMC	219	219	21.91	-	-	22 0
100	PC3-PBMC	156	0	22.44	-	-	21 0
100	PC3-PBMC	156	109	22.45	-	-	21 0
100	PC3-PBMC	156	219	22.46	-	-	21 0
100	PC3-PBMC	219	0	21.92	-	-	22 0
100	PC3-PBMC	219	109	21.93	-	-	22 0
100	PC3-PBMC	219	219	21.94	-	-	22 0
100	PC3-PBMC	156	0	22.47	-	-	21 0
100	PC3-PBMC	156	109	22.48	-	-	21

Part270 n78 PC2 Ant7_UL MIMO									
RF BWP	Modulation	RF Sub	RF Clout	Low Power	High Power	High Power	High Power	High Power	High Power
Channel				Low Power	High Power	High Power	High Power	High Power	High Power
100	PB4	BP4	1	1	21.14	21.15	21.17	22.0	0.0
100	PB4	BP4	1	129	21.15	21.17	21.19	22.0	0.0
100	PB4	BP4	1	257	21.16	21.17	21.19	22.0	0.0
100	PB4	BP4	156	0	21.16	21.18	22.0	0.0	0.0
100	PB4	BP4	156	128	21.16	21.18	22.0	0.0	0.0
100	PB4	BP4	156	256	21.17	21.19	22.0	0.0	0.0
100	PB4	BP4	257	0	21.17	21.19	22.0	0.0	0.0
100	PB4	BP4	257	128	21.18	21.20	22.0	0.0	0.0
100	PB4	BP4	1	129	21.62	21.63	22.1	0.0	0.0
100	PB4	BP4	1	257	21.63	21.64	22.1	0.0	0.0
100	PB4	BP4	156	0	21.68	21.68	22.1	0.0	0.0
100	PB4	BP4	156	128	21.68	21.69	22.1	0.0	0.0
100	PB4	BP4	156	256	21.11	21.11	22.0	0.0	0.0
100	PB4	BP4	257	0	22.03	22.03	22.0	0.0	0.0
100	PB4	BP4	257	128	22.04	22.04	22.0	0.0	0.0
100	PB4	BP4	257	256	21.84	21.84	22.0	0.0	0.0
100	PB4	BP4	257	257	21.63	21.63	22.0	0.0	0.0
Channel				9484668	9484668	9484668	9484668	High Power	High Power
90	QPSK	1	1	1	21.10	21.07	21.08	22.0	0.0
90	QPSK	1	1	129	9483434	9480000	9480000	22.0	0.0
90	QPSK	1	1	257	9483434	9480000	9480000	22.0	0.0
90	QPSK	1	156	0	21.10	21.11	21.13	22.0	0.0
90	QPSK	1	156	128	21.13	21.11	21.13	22.0	0.0
90	QPSK	1	156	256	21.13	21.11	21.13	22.0	0.0
90	QPSK	1	257	0	21.08	21.09	21.10	22.0	0.0
90	QPSK	1	257	128	21.08	21.09	21.10	22.0	0.0
90	QPSK	1	257	256	21.08	21.09	21.10	22.0	0.0
90	QPSK	1	257	257	21.08	21.09	21.10	22.0	0.0
90	QPSK	1	156	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	156	257	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	0	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	128	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	256	21.08	21.08	21.09	22.0	0.0
90	QPSK	1	257	257	21.08	21.08	21.09	22.0	0.0

Part270 n78 PC3 Ant7 UL MIMO								
SR [MHz]	Modulation	RB Size	RB Count	Time Cycles	Power [dBm]	High Cycles	Integration Time [ms]	MPE [dB]
Frequency [MHz]								
100	PC3 256QAM	1	1397	21.25	21.25	22.0	0.0	0.0
100	PC3 256QAM	1	1397	21.25	21.25	22.0	0.0	0.0
100	PC3 256QAM	150	0	21.25	21.25	22.0	0.0	0.0
100	PC3 256QAM	150	0	21.25	21.25	22.0	0.0	0.0
100	PC3 256QAM	150	136	21.25	21.25	22.0	0.0	0.0
100	PC3 256QAM	2210	0	21.25	21.25	22.0	0.0	0.0
100	PC3 256QAM	2210	0	21.25	21.25	22.0	0.0	0.0
100	PC3 256QAM	1	1397	21.24	21.24	22.0	0.0	0.0
100	PC3 256QAM	1	1397	21.25	21.25	22.0	0.0	0.0
100	PC3 256QAM	150	0	21.20	21.20	22.0	0.0	0.0
100	PC3 256QAM	150	0	21.25	21.25	22.0	0.0	0.0
100	PC3 256QAM	150	136	21.20	21.20	22.0	0.0	0.0
100	PC3 256QAM	2210	0	21.20	21.20	22.0	0.0	0.0
100	PC3 256QAM	2210	0	21.25	21.25	22.0	0.0	0.0
100	PC3 256QAM	1	1	21.20	21.20	21.0	0.0	0.0
100	PC3 256QAM	1	1	21.25	21.25	21.0	0.0	0.0
Channel								
100	PC3 256QAM	1	1397	933000	933334	933000	933334	14.0
50	PC3 256QAM	1	1397	21.24	21.23	21.23	21.25	14.0
50	PC3 256QAM	1	1397	933000	933334	933000	933334	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.24	21.25	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23	21.25	0.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	344600	344933	344600	344933	14.0
50	PC3 256QAM	1	1397	21.20	21.21	21.22	21.23	0.0
50	PC3 256QAM	1	1397	21.25	21.23	21.23		

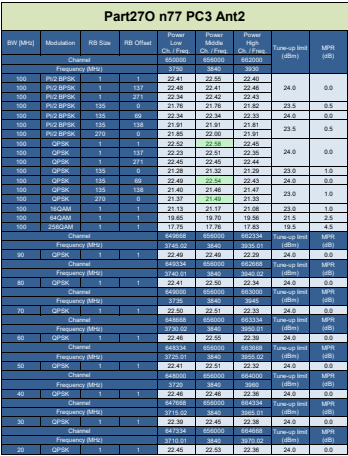
Part27Q n78 PC2 Ant7_UL MIMO							
RF MUX	Modulation	BS ID	BS Clout	Power Type Class	Power Class	Power Class High Clout	Power Class High Clout
Channel				BS3434	BS3434	BS3434	BS3434
500	Frequency	1	1	21.25	21.25		
500	PID-BPAPR	1	109	21.27	21.27		22.0 0.0
500	PID-BPAPR	1	110	21.30	21.30		22.0 0.0
500	PID-BPAPR	156	0	21.29	21.29		22.0 0.0
500	PID-BPAPR	156	108	21.36	21.36		22.0 0.0
500	PID-BPAPR	210	0	21.28	21.28		22.0 0.0
500	PID-BPAPR	210	108	21.35	21.35		22.0 0.0
500	GPAPR	1	109	21.24	21.24		22.0 0.0
500	GPAPR	1	110	21.27	21.27		22.0 0.0
500	GPAPR	156	0	21.30	21.30		22.0 0.0
500	GPAPR	156	108	21.36	21.36		22.0 0.0
500	GPAPR	210	0	21.28	21.28		22.0 0.0
500	GPAPR	210	108	21.35	21.35		22.0 0.0
500	BSAPAR	1	1	21.30	21.30		22.0 0.0
500	BSAPAR	1	1	21.30	21.30		22.0 0.0
Channel				BS1000	BS1000	BS1000	Time-up class
50	GPAPR	1	1	21.24	21.24		22.0
50	GPAPR	1	1	21.24	21.24		22.0
50	GPAPR	156	0	21.30	21.30		22.0
50	GPAPR	156	0	21.30	21.30		22.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.29	21.29	21.34	22.0 0.0
50	GPAPR	1	1	21.29	21.29	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	156	0	21.36	21.36		22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	1	1	21.30	21.30	21.34	22.0 0.0
50	GPAPR	156	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	1880	1900		
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	1880	1902.5		
15	QPSK	1	1	17.86	17.83	17.80	19.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1905		
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)				1852.5	1880	1907.5		
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	1892.5	1915		
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		
30	QPSK	1	1	17.89	17.91	17.82	19.5	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
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		
15	QPSK	1	1	17.91	17.95	17.82	19.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
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)				1852.5	1882.5	1912.5		
5	QPSK	1	1	17.85	18.00	17.84	19.5	0.0



Part270 n77 PC2 Ant2									
Bit (MHz)	Modulation	Channel	Bit Rate	Bit Offset	Power dBm	Power dBm 500000	Power dBm 1000000	Power dBm 2000000	Power dBm 4000000
150	PS-SSB	1	1	22.43	23.54	24.55			
150	PS-SSB	1	1	22.34	22.48	22.61	24.0	0.0	
150	PS-SSB	1	1	22.43	22.43	22.43	24.0	0.0	
150	PS-SSB	196	0	22.48	22.56	22.61	24.0	0.0	
150	PS-SSB	196	0	22.39	22.48	22.56	24.0	0.0	
150	PS-SSB	196	136	22.43	22.48	22.56	24.0	0.0	
150	PS-SSB	2713	0	22.41	22.48	22.56	24.0	0.0	
150	PS-SSB	2713	0	22.33	22.41	22.48	24.0	0.0	
150	QPSK	1	1	22.45	22.57	22.63	24.0	0.0	
150	QPSK	1	1	22.45	22.51	22.58	24.0	0.0	
150	QPSK	196	0	22.40	22.45	22.48	24.0	0.0	
150	QPSK	196	0	22.31	22.40	22.45	24.0	0.0	
150	QPSK	196	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	0	22.39	22.42	22.45	24.0	0.0	
150	QPSK	2713	0	22.31	22.39	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.51	22.58	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.50	22.57	24.0	0.0	
150	QPSK	2713	136	22.31	22.38	22.45	24.0	0.0	
150	QPSK	2713	136	22.43	22.				

Part27Q n77PC3 Ant2									
RF MHz	Modulation	RF Side	RF Offset	Power Type Class	Power Class Power	Power Class Power	Frequency offset	MPK offset	
					818300	818334			
100	Frequency Mod.				23.25	23.25			
100	PSK256QAM	1	149		23.25	23.25	24.1	0.0	
100	PSK256QAM	2	151		23.25	23.25	24.1	0.0	
100	PSK256QAM	156	0		22.87	22.87	23.1	0.0	
100	PSK256QAM	156	136		23.26	23.26	23.1	0.0	
100	PSK256QAM	156	136		23.26	23.26	23.1	0.0	
100	QPSK	233	0		22.81	22.81	23.1	0.0	
100	QPSK	1	149		23.25	23.25	24.1	0.0	
100	QPSK	2	151		23.25	23.25	24.1	0.0	
100	QPSK	156	0		22.17	22.17	23.1	0.0	
100	QPSK	156	136		22.17	22.17	23.1	0.0	
100	QPSK	233	0		22.51	22.51	23.1	0.0	
100	QPSK	2	151		22.51	22.51	23.1	0.0	
100	SSB4000				20.86	20.86	21.0	2.0	
100	SSB4000				13.00	13.00	13.1	2.0	
	Channel				818000	818334	818380		MPK
50	QPSK	1	23.12	23.22	23.22	23.22	24.1	0.0	
	Channel				818600	818334	818500		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				818900	818334	818800		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				819200	818334	819100		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				819500	818334	819400		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				819800	818334	819700		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				820100	818334	820000		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				820400	818334	820300		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				820700	818334	820600		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				821000	818334	820900		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				821300	818334	821200		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				821600	818334	821500		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				821900	818334	821800		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				822200	818334	822100		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				822500	818334	822400		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				822800	818334	822700		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				823100	818334	823000		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				823400	818334	823300		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				823700	818334	823600		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				824000	818334	823900		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				824300	818334	824200		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				824600	818334	824500		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				824900	818334	824800		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				825200	818334	825100		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				825500	818334	825400		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				825800	818334	825700		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				826100	818334	826000		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				826400	818334	826300		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				826700	818334	826600		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				827000	818334	826900		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				827300	818334	827200		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				827600	818334	827500		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				827900	818334	827800		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				828200	818334	828100		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				828500	818334	828400		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				828800	818334	828700		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				829100	818334	829000		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				829400	818334	829300		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				829700	818334	829600		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				830000	818334	829900		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				830300	818334	830200		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				830600	818334	830500		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				830900	818334	830800		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				831200	818334	831100		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				831500	818334	831400		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				831800	818334	831700		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				832100	818334	832000		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				832400	818334	832300		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				832700	818334	832600		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				833000	818334	832900		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				833300	818334	833200		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				833600	818334	833500		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				833900	818334	833800		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				834200	818334	834100		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				834500	818334	834400		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				834800	818334	834700		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				835100	818334	835000		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				835400	818334	835300		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				835700	818334	835600		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				836000	818334	835900		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				836300	818334	836200		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				836600	818334	836500		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				836900	818334	836800		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				837200	818334	837100		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				837500	818334	837400		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				837800	818334	837700		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				838100	818334	838000		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				838400	818334	838300		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				838700	818334	838600		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel				839000	818334	838900		MPK
50	QPSK	1	23.16	23.22	23.22	23.22	24.1	0.0	
	Channel	</							

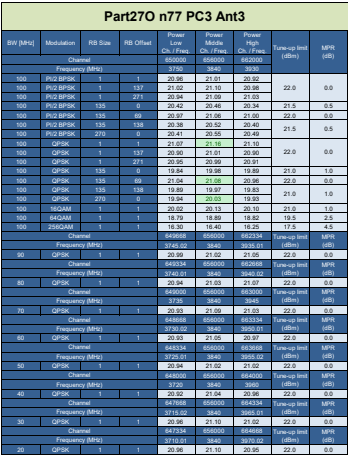
[illegible]



Part270 n78 PC3 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac.]	Power Max Ch. 1 [Frac.]	Power High Ch. 1 [Frac.]	Power Low Ch. 2 [Frac.]	Power Max Ch. 2 [Frac.]	Power High Ch. 2 [Frac.]
Channel									
Frequency [MHz]				850000	850000	850000	850000	850000	850000
Channel				2700	2700	2700	2700	2700	2700
100	PB-SSB	1	1	22.38	22.38				
100	PB-SSB	1	137	22.35	22.35		24.0	0.0	
100	PB-SSB	1	271	22.33	22.33				
100	PB-SSB	136	0	21.86	21.86		23.0	0.0	
100	PB-SSB	136	40	21.25	21.25		24.0	0.0	
100	PB-SSB	136	136	21.86	21.86		23.0	0.0	
100	PB-SSB	270	0	21.87	21.87				
100	QPSK	1	1	22.35	22.35		24.0	0.0	
100	QPSK	1	137	22.40	22.40				
100	QPSK	1	271	22.42	22.42				
100	QPSK	136	0	21.30	21.30		23.0	1.0	
100	QPSK	136	40	21.44	21.44		24.0	0.0	
100	QPSK	136	136	21.32	21.32		23.0	1.0	
100	QPSK	270	0	21.35	21.35				
100	SSB-AM	1	1	21.16	21.16		23.0	1.0	
100	SSB-AM	1	1	19.96	19.96		23.0	2.5	
100	SSB-AM	1	1	17.94	17.94		19.0	4.5	
Channel									
Frequency [MHz]				849900	850000	850000	850000	850000	850000
90	QPSK	1	1	22.40	22.40	22.36	24.0	0.0	
Channel									
Frequency [MHz]				849334	850000	850000	850000	850000	850000
80	QPSK	1	1	22.30	22.30	22.30	24.0	0.0	
Channel									
Frequency [MHz]				849000	850000	850000	850000	850000	850000
70	QPSK	1	1	22.31	22.36	22.33	24.0	0.0	
Channel									
Frequency [MHz]				848666	850000	850000	850000	850000	850000
60	QPSK	1	1	22.34	22.39	22.36	24.0	0.0	
Channel									
Frequency [MHz]				848334	850000	850000	850000	850000	850000
50	QPSK	1	1	22.35	22.40	22.33	24.0	0.0	
Channel									
Frequency [MHz]				848000	850000	850000	850000	850000	850000
40	QPSK	1	1	22.36	22.33	22.32	24.0	0.0	
Channel									
Frequency [MHz]				847666	850000	850000	850000	850000	850000
30	QPSK	1	1	22.33	22.45	22.36	24.0	0.0	
Channel									
Frequency [MHz]				847334	850000	850000	850000	850000	850000
20	QPSK	1	1	22.31	22.36	22.27	24.0	0.0	

Part270 n78 PC2 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac.]	Power Max Ch. 1 [Frac.]	Power High Ch. 1 [Frac.]	Power Low Ch. 2 [Frac.]	Power Max Ch. 2 [Frac.]	Power High Ch. 2 [Frac.]
Channel									
Frequency [MHz]				850000	850000	850000	850000	850000	850000
Channel				2700	2700	2700	2700	2700	2700
100	PB-SSB	1	1	22.29	22.29				
100	PB-SSB	1	137	22.35	22.35		24.0	0.0	
100	PB-SSB	1	271	22.34	22.34				
100	PB-SSB	136	0	22.29	22.29		24.0	0.0	
100	PB-SSB	136	40	22.31	22.31		24.0	0.0	
100	PB-SSB	136	136	22.25	22.25		24.0	0.0	
100	PB-SSB	270	0	22.28	22.28				
100	QPSK	1	1	22.35	22.35				
100	QPSK	1	137	22.24	22.24		24.0	0.0	
100	QPSK	1	271	22.26	22.26				
100	QPSK	136	0	22.34	22.34		24.0	0.0	
100	QPSK	136	40	22.36	22.36		24.0	0.0	
100	QPSK	136	136	22.26	22.26		24.0	0.0	
100	QPSK	270	0	22.23	22.23				
100	SSB-AM	1	1	22.34	22.34		24.0	0.0	
100	SSB-AM	1	1	22.11	22.11		24.0	0.0	
100	SSB-AM	1	1	20.90	20.90		22.0	1.5	
Channel									
Frequency [MHz]				849900	850000	850000	850000	850000	850000
90	QPSK	1	1	22.25	22.25	22.25	24.0	0.0	
Channel									
Frequency [MHz]				849334	850000	850000	850000	850000	850000
80	QPSK	1	1	22.28	22.34	22.26	24.0	0.0	
Channel									
Frequency [MHz]				848666	850000	850000	850000	850000	850000
70	QPSK	1	1	22.25	22.24	22.23	24.0	0.0	
Channel									
Frequency [MHz]				848000	850000	850000	850000	850000	850000
60	QPSK	1	1	22.32	22.28	22.27	24.0	0.0	
Channel									
Frequency [MHz]				847334	850000	850000	850000	850000	850000
50	QPSK	1	1	22.28	22.36	22.24	24.0	0.0	
Channel									
Frequency [MHz]				846666	850000	850000	850000	850000	850000
40	QPSK	1	1	22.25	22.27	22.26	24.0	0.0	
Channel									
Frequency [MHz]				846000	850000	850000	850000	850000	850000
30	QPSK	1	1	22.22	22.22	22.24	24.0	0.0	
Channel									
Frequency [MHz]				845334	850000	850000	850000	850000	850000
20	QPSK	1	1	22.31	22.32	22.30	24.0	0.0	

Part27Q n78 PC3 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac.]	Power Max Ch. 1 [Frac.]	Power High Ch. 1 [Frac.]	Power Low Ch. 2 [Frac.]	Power Max Ch. 2 [Frac.]	Power High Ch. 2 [Frac.]
Channel									
Frequency [MHz]				853000	853334	853334	853334	853334	853334
Channel				2700	2700	2700	2700	2700	2700
100	PB-SSB	1	1	23.25	23.25		24.0	0.0	
100	PB-SSB	1	137	22.84	22.84		24.0	0.0	
100	PB-SSB	1	271	23.75	23.75				
100	PB-SSB	136	0	22.63	22.63		23.0	0.0	
100	PB-SSB	136	40	23.06	23.06		23.0	0.0	
100	PB-SSB	136	136	22.22	22.22		23.0	0.0	
100	PB-SSB	270	0	22.32	22.32				
100	QPSK	1	1	23.35	23.35				
100	QPSK	1	137	22.88	22.88		24.0	0.0	
100	QPSK	1	271	23.62	23.62				
100	QPSK	136	0	22.78	22.78		23.0	1.0	
100	QPSK	136	40	23.21	23.21		24.0	0.0	
100	QPSK	136	136	23.73	23.73		24.0	1.0	
100	QPSK	270	0	23.68	23.68				
100	SSB-AM	1	1	22.27	22.27		23.0	1.0	
100	SSB-AM	1	1	20.62	20.62		23.0	2.5	
100	SSB-AM	1	1	18.50	18.50		19.0	4.5	
Channel									
Frequency [MHz]				852900	853334	853334	853334	853334	853334
90	QPSK	1	1	23.11	23.15	23.15	24.0	0.0	
Channel									
Frequency [MHz]				852800	853334	854000	854000	854000	854000
80	QPSK	1	1	23.12	23.23	23.23	24.0	0.0	
Channel									
Frequency [MHz]				852700	853334	853334	853334	853334	853334
70	QPSK	1	1	23.21	23.26	23.16	24.0	0.0	
Channel									
Frequency [MHz]				852600	853334	853334	853334	853334	853334
60	QPSK	1	1	23.19	23.24	23.19	24.0	0.0	
Channel									
Frequency [MHz]				852500	853334	853334	853334	853334	853334
50	QPSK	1	1	23.19	23.19	23.19	24.0	0.0	
Channel									
Frequency [MHz]				852400	853334	853334	853334	853334	853334
40	QPSK	1	1	23.19	23.20	23.17	24.0	0.0	
Channel									
Frequency [MHz]				852300	853334	853334	853334	853334	853334
30	QPSK	1	1	23.14	23.26	23.14	24.0	0.0	
Channel									
Frequency [MHz]				852200	853334	853334	853334	853334	853334

[illegible]

Part270 n77 PC3 Ant3							
RF MHz	Modulation	RF Side	RF Offset	Power Level Ch. Freq.	Power Level Ch. Freq.	Frequency Offset	MPE dB
Frequency (MHz)							
100	PC3-SPS1	1	1	21.13		22.0	0.0
100	PC3-SPS1	1	127	21.13			
100	PC3-SPS1	1	255	21.13			
100	PC3-SPS1	156	0	20.84		21.0	0.0
100	PC3-SPS1	156	127	20.84			
100	PC3-SPS1	156	255	20.84			
100	PC3-SPS1	255	0	21.13		21.0	0.0
100	PC3-SPS1	255	127	21.13			
100	PC3-SPS1	255	255	21.13			
100	PC3-SPS1	156	0	20.84		21.0	1.0
100	PC3-SPS1	156	127	20.84			
100	PC3-SPS1	156	255	20.84			
100	PC3-SPS1	255	0	21.13		21.0	1.0
100	PC3-SPS1	255	127	21.13			
100	PC3-SPS1	255	255	21.13			
100	PC3-SPS1	1	1	19.62		19.0	2.0
100	PC3-SPS1	1	1	19.62		19.0	2.0
Channel							
100	PC3-SPS1	Channel		833600	833534	833600	19.0
100	PC3-SPS1	Channel		21.18	21.13	21.17	20.0
Channel							
100	PC3-SPS1	Channel		833600	833534	833600	19.0
100	PC3-SPS1	Channel		21.18	21.13	21.17	20.0
100	PC3-SPS1	Channel		21.18	21.13	21.14	22.0
100	PC3-SPS1	Channel		21.18	21.13	21.17	22.0
Frequency (MHz)							
100	PC3-SPS1	1	1	34.61	30.61	35.01	0.0
100	PC3-SPS1	1	127	34.61	30.61		
100	PC3-SPS1	1	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32		
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	0.0
100	PC3-SPS1	156	127	34.32	30.32		
100	PC3-SPS1	156	255	34.32	30.32		
100	PC3-SPS1	255	0	34.61	30.61	35.01	0.0
100	PC3-SPS1	255	127	34.61	30.61		
100	PC3-SPS1	255	255	34.61	30.61		
100	PC3-SPS1	156	0	34.32	30.32	34.61	

Part27Q n77 PC2 Ant3							
Bit Rate	Modulation	RB Size	RB Offset	Line Cntr	Line Freq	Power (dBm)	Frequency (MHz)
Channel							
				833334	833334		
				833334	833334		
Frequency (MHz)							
150	QPSK	1	1	21.42	21.42		
150	PAQ BPSK	1	133	21.37	21.37	22.0	0.0
150	QPSK	1	271	21.32	21.32		
150	PAQ BPSK	136	0	21.44	21.44	22.0	0.0
150	QPSK	136	136	21.48	21.48	22.0	0.0
150	QPSK	136	272	21.53	21.53		
150	PAQ BPSK	270	0	21.41	21.41	22.0	0.0
150	QPSK	270	136	21.46	21.46	22.0	0.0
150	QPSK	270	271	21.50	21.50		
150	QPSK	136	0	21.38	21.38	22.0	0.0
150	QPSK	136	136	21.43	21.43	22.0	0.0
150	QPSK	136	272	21.47	21.47	22.0	0.0
150	16QAM	270	0	21.35	21.35	22.0	0.0
150	16QAM	270	136	21.37	21.37	22.0	0.0
150	16QAM	270	271	21.39	21.39	22.0	0.0
150	16QAM	136	0	21.40	21.40	22.0	0.0
150	16QAM	136	136	21.42	21.42	22.0	0.0
150	16QAM	136	272	21.44	21.44	22.0	0.0
150	QPSK	1	1	21.41	21.41	22.0	0.0
Channel							
				833336	833336		
				833336	833336		
Frequency (MHz)							
30	QPSK	1	1	21.42	21.42	22.0	0.0
30	QPSK	1	133	21.37	21.37		
30	QPSK	1	271	21.32	21.32		
30	QPSK	1	1	21.46	21.42	21.39	22.0
30	QPSK	1	133	21.41	21.37		
30	QPSK	1	271	21.36	21.32		
30	QPSK	1	1	21.41	21.42	21.39	22.0
30	QPSK	1	133	21.36	21.32		
30	QPSK	1	271	21.31	21.27		
30	QPSK	1	1	21.46	21.42	21.39	22.0
30	QPSK	1	133	21.41	21.37		
30	QPSK	1	271	21.36	21.32		
30	QPSK	1	1	21.41	21.42	21.39	22.0
30	QPSK	1	133	21.36	21.32		
30	QPSK	1	271	21.31	21.27		
30	QPSK	1	1	21.46	21.42	21.39	22.0
30	QPSK	1	133	21.41	21.37		
30	QPSK	1	271	21.36	21.32		
30	QPSK	1	1	21.41	21.42	21.39	22.0
30	QPSK	1	133	21.36	21.32		
30	QPSK	1	271	21.31	21.27		
30	QPSK	1	1	21.46	21.42	21.39	22.0
3							



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	PSSBPSK	1	1	20.88					
100	PSSBPSK	1	137	21.07			22.0	0.0	
100	PSSBPSK	1	271	21.04					
100	PSSBPSK	135	0	20.47			21.0	0.5	
100	PSSBPSK	135	0	21.04			22.0	0.0	
100	PSSBPSK	135	136	20.50			21.0	0.5	
100	PSSBPSK	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	SSBQAM	1	1	20.00			21.0	1.0	
100	SSBQAM	1	1	18.76			18.5	2.5	
100	SSBQAM	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		MPS	
90	QPSK	1	1	21.00	20.99	21.04	22.0	0.0	
Channel									
Frequency [MHz]				46068	46000	46034		MPS	
90	QPSK	1	1	20.99	20.98	20.90	22.0	0.0	
Channel									
Frequency [MHz]				46102	46000	46068		MPS	
70	QPSK	1	1	21.03	20.99	20.90	22.0	0.0	
Channel									
Frequency [MHz]				46136	46000	46102		MPS	
60	QPSK	1	1	20.98	20.99	20.87	22.0	0.0	
Channel									
Frequency [MHz]				46168	46000	46136		MPS	
50	QPSK	1	1	21.00	21.00	20.87	22.0	0.0	
Channel									
Frequency [MHz]				46200	46000	46168		MPS	
40	QPSK	1	1	21.04	21.00	20.84	22.0	0.0	
Channel									
Frequency [MHz]				46232	46000	46200		MPS	
30	QPSK	1	1	21.01	21.00	20.84	22.0	0.0	
Channel									
Frequency [MHz]				46264	46000	46232		MPS	
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. 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	PSSBPSK	1	1	20.83					
100	PSSBPSK	1	137	20.76			22.0	0.0	
100	PSSBPSK	1	271	20.81					
100	PSSBPSK	135	0	20.89			22.0	0.0	
100	PSSBPSK	135	0	20.81			22.0	0.0	
100	PSSBPSK	135	136	20.77			22.0	0.0	
100	PSSBPSK	270	0	20.85					
100	QPSK	1	1	20.95					
100	QPSK	1	137	20.84			22.0	0.0	
100	QPSK	1	271	20.90					
100	QPSK	135	0	20.81			22.0	0.0	
100	QPSK	135	0	20.80			22.0	0.0	
100	QPSK	135	136	20.88			22.0	0.0	
100	QPSK	270	0	20.88			22.0	0.0	
100	SSBQAM	1	1	20.84			22.0	0.0	
100	SSBQAM	1	1	20.89			22.0	0.0	
100	SSBQAM	1	1	18.36			18.5	1.5	
Channel									
Frequency [MHz]				45968	46000	46034	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.94	20.88	20.80	22.0	0.0	
Channel									
Frequency [MHz]				46034	46000	46068	Turn-up time (dBm)	MPS	
90	QPSK	1	1	20.88	20.85	20.80	22.0	0.0	
Channel									
Frequency [MHz]				46068	46000	46034	Turn-up time (dBm)	MPS	
70	QPSK	1	1	20.85	20.79	20.80	22.0	0.0	
Channel									
Frequency [MHz]				46102	46000	46068	Turn-up time (dBm)	MPS	
60	QPSK	1	1	20.82	20.86	20.84	22.0	0.0	
Channel									
Frequency [MHz]				46136	46000	46102	Turn-up time (dBm)	MPS	
50	QPSK	1	1	20.89	20.81	20.80	22.0	0.0	
Channel									
Frequency [MHz]				46168	46000	46136	Turn-up time (dBm)	MPS	
40	QPSK	1	1	20.70	20.79	20.80	22.0	0.0	
Channel									
Frequency [MHz]				46200	46000	46168	Turn-up time (dBm)	MPS	
30	QPSK	1	1	20.82	20.80	20.80	22.0	0.0	
Channel									
Frequency [MHz]				46232	46000	46200	Turn-up time (dBm)	MPS	
20	QPSK	1	1	20.87	20.83	20.84	22.0	0.0	

Part27Q 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	PSSBPSK	1	1	21.32					
100	PSSBPSK	1	137	21.29			22.0	0.0	
100	PSSBPSK	1	271	21.03					
100	PSSBPSK	135	0	20.84			21.5	0.5	
100	PSSBPSK	135	0	21.29			22.0	0.0	
100	PSSBPSK	135	136	20.82			21.5	0.5	
100	PSSBPSK	270	0	20.73					
100	QPSK	1	1	21.05					
100	QPSK	1	137	21.20			22.0	0.0	
100	QPSK	1	271	20.84					
100	QPSK	135	0	20.45			21.0	1.0	
100	QPSK	135	0	20.80			22.0	0.0	
100	QPSK	135	136	20.17			21.0	1.0	
100	QPSK	270	0	20.28			21.0	1.0	
100	SSBQAM	1	1	20.84			21.0	1.0	
100	SSBQAM	1	1	19.29			18.5	2.5	
100	SSBQAM	1	1	18.60			17.5	4.5	
Channel									
Frequency [MHz]				45968	46034	46068			
90	QPSK	1	1	21.28	21.28	21.30	22.0	0.0	
Channel									
Frequency [MHz]				46034	46034	46068			
90	QPSK	1	1	20.82	20.01	20.10	22.0	0.0	
Channel									
Frequency [MHz]				46068	46034	46068			
90	QPSK	1	1	21.30	21.25	21.30	22.0	0.0	
Channel									
Frequency [MHz]				46102	46034	46102			
70	QPSK	1	1	21.04	21.34	21.16	22.0	0.0	
Channel									
Frequency [MHz]				46136	46034	46136			
60	QPSK	1	1	21.05	21.33	21.20	22.0	0.0	
Channel									
Frequency [MHz]				46168	46034	46168			
50	QPSK	1	1	21.03	21.24	21.28	22.0	0.0	
Channel									
Frequency [MHz]				46202	46034	46202			
40	QPSK	1	1	21.26	21.27	21.25	22.0	0.0	
Channel									
Frequency [MHz]				46236	46034	46236			
30	QPSK	1	1	21.28	21.31	21.29	22.0	0.0	
Channel									
Frequency [MHz]				46270	46034	46270			
20	QPSK	1	1	21.28	21.34	21.34	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				518004	518000	519998	23.0	0.0
Frequency (MHz)				2590.02	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	518000	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		
100	256QAM	1	1	18.32	18.45	18.41	19.5	4.5
Channel				503202	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	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2640.99		
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				502202	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	2670.99		
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	25.5	0.0
Frequency (MHz)				2548.01	2592.99	2640		
100	PI2 BPSK	1	1	24.20	24.31	24.23	25.5	0.0
100	PI2 BPSK	1	137	24.32	24.38	24.36		
100	PI2 BPSK	1	271	24.34	24.44	24.27	24.0	0.5
100	PI2 BPSK	135	0	24.34	24.43	24.40		
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		
100	PI2 BPSK	270	0	24.32	24.38	24.36	24.0	0.5
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		
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		
100	256QAM	1	1	21.41	21.44	21.27	22.5	3.0
Channel				503202	518598	520998	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	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2640.99		
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				502202	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	2670.99		
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	PSS-BPSK	1	1	20.56	21.11	21.61			
100	PSS-BPSK	1	137	20.89	21.05	20.93	22.0	0.0	
100	PSS-BPSK	1	271	21.08	21.15	21.03			
100	PSS-BPSK	136	0	21.13	21.18	21.08	22.0	0.0	
100	PSS-BPSK	136	0	21.06	21.13	21.07	22.0	0.0	
100	PSS-BPSK	136	136	21.14	21.18	21.04	22.0	0.0	
100	PSS-BPSK	270	0	21.11	21.16	21.06			
100	QPSK	1	1	21.05	21.05	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	21.05	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	18.15	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	21.05	21.13	21.06	22.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.14	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	21.06	21.04	21.06	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.05	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	PSS-BPSK	1	1	20.56	21.11	21.61			
100	PSS-BPSK	1	137	20.89	21.05	20.93	22.0	0.0	
100	PSS-BPSK	1	271	21.08	21.15	21.03			
100	PSS-BPSK	136	0	21.13	21.18	21.08	22.0	0.0	
100	PSS-BPSK	136	0	21.06	21.13	21.07	22.0	0.0	
100	PSS-BPSK	136	136	21.14	21.18	21.04	22.0	0.0	
100	PSS-BPSK	270	0	21.11	21.16	21.06			
100	QPSK	1	1	21.05	21.05	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	21.05	21.14	20.98	22.0	0.0	
100	SSB-QAM	1	1	20.94	21.05	20.94	22.0	0.0	
100	SSB-QAM	1	1	20.79	20.99	20.84	22.0	0.0	
100	SSB-QAM	1	1	18.15	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	21.05	21.13	21.06	22.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.14	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	21.06	21.04	21.06	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.05	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	PSS-BPSK	1	1	21.44					
100	PSS-BPSK	1	137		21.33		22.0	0.0	
100	PSS-BPSK	1	271		21.47				
100	PSS-BPSK	136	0		21.48		22.0	0.0	
100	PSS-BPSK	136	0		21.46		22.0	0.0	
100	PSS-BPSK	136	136		21.39		22.0	0.0	
100	PSS-BPSK	270	0		21.43				
100	QPSK	1	1	21.35					
100	QPSK	1	137		21.43		22.0	0.0	
100	QPSK	1	271		21.49				
100	QPSK	136	0		21.49		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		18.5	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	21.49	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	PSS-BPSK	1	1	21.43					
100	PSS-BPSK	1	137	21.43			22.0	0.0	
100	PSS-BPSK	135	200	21.47					
100	PSS-BPSK	135	2	21.49			22.0	0.0	
100	PSS-BPSK	135	138	21.48			22.0	0.0	
100	PSS-BPSK	270	0	21.43			22.0	0.0	
100	GPSS	1	1	21.50					
100	GPSS	1	137	21.48			22.0	0.0	
100	GPSS	135	200	21.52					
100	GPSS	135	2	21.49			22.0	0.0	
100	GPSS	135	138	21.47			22.0	0.0	
100	GPSS	270	0	21.47			22.0	0.0	
100	SSB-AM	1	1	21.43			22.0	0.0	
100	SSB-AM	1	137	21.41			22.0	0.0	
100	SSB-AM	135	200	21.35			22.0	0.0	
Channel									
Frequency (MHz)									
80	GPSS	1	1	21.51	21.43	21.44	22.0	0.0	
Channel									
Frequency (MHz)									
80	GPSS	1	1	21.50	21.43	21.45	22.0	0.0	
80	GPSS	1	1	21.47	21.43	21.45	22.0	0.0	
80	GPSS	1	1	21.47	21.43	21.45	22.0	0.0	
80	GPSS	1	1	21.47	21.43	21.45	22.0	0.0	
80	GPSS	1	1	21.48	21.44	21.45	22.0	0.0	
80	GPSS	1	1	21.48	21.44	21.45	22.0	0.0	
Channel									
Frequency (MHz)									
80	GPSS	1	1	21.47	21.43	21.48	22.0	0.0	
Channel									
Frequency (MHz)									
80	GPSS	1	1	21.52	21.50	21.48	22.0	0.0	
80	GPSS	1	1	21.48	21.44	21.45	22.0	0.0	
80	GPSS	1	1	21.48	21.44	21.45	22.0	0.0	
Channel									
Frequency (MHz)									
80	GPSS	1	1	21.48	21.43	21.45	22.0	0.0	
Channel									
Frequency (MHz)									
20	GPSS	1	1	21.48	21.43	21.53	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]				3790	3830	3870	
100	PSS-BPSK	1	1	20.97			
100	PSS-BPSK	1	137	20.93			22.0
100	PSS-BPSK	1	271	20.93			22.0
100	PSS-BPSK	135	0	20.93			22.0
100	PSS-BPSK	135	0	21.25			22.0
100	PSS-BPSK	135	136	21.26			22.0
100	PSS-BPSK	270	0	20.96			22.0
100	QPSK	1	1	21.26			22.0
100	QPSK	1	137	21.26			22.0
100	QPSK	1	271	21.22			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	21.20			22.0
100	ISGAM	1	1	20.96			22.0
100	ISGAM	1	1	20.93			21.5
100	ISGAM	1	1	18.46			19.0
Channel							
Frequency [MHz]				64968	65000	65032	Turn-up time [dBm]
Channel				64968	65000	65032	Turn-up time [dBm]
90	QPSK	1	1	20.90	20.97	20.95	22.0
Channel							
Frequency [MHz]				64934	65000	65066	Turn-up time [dBm]
80	QPSK	1	1	21.00	20.95	21.01	22.0
Channel							
Frequency [MHz]				64902	65000	65098	Turn-up time [dBm]
70	QPSK	1	1	20.95	21.02	21.01	22.0
Channel							
Frequency [MHz]				64868	65000	65134	Turn-up time [dBm]
60	QPSK	1	1	21.02	20.92	21.06	22.0
Channel							
Frequency [MHz]				64834	65000	65166	Turn-up time [dBm]
50	QPSK	1	1	21.05	20.96	21.02	22.0
Channel							
Frequency [MHz]				64800	65000	65200	Turn-up time [dBm]
40	QPSK	1	1	20.97	21.06	20.94	22.0
Channel							
Frequency [MHz]				64766	65000	65234	Turn-up time [dBm]
30	QPSK	1	1	20.90	20.97	21.06	22.0
Channel							
Frequency [MHz]				64732	65000	65266	Turn-up time [dBm]
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]				3790	3830	3870	
100	PSS-BPSK	1	1	20.97			
100	PSS-BPSK	1	137	20.93			22.0
100	PSS-BPSK	1	271	20.93			22.0
100	PSS-BPSK	135	0	20.93			22.0
100	PSS-BPSK	135	0	21.25			22.0
100	PSS-BPSK	135	136	21.26			22.0
100	PSS-BPSK	270	0	20.98			22.0
100	QPSK	1	1	21.26			22.0
100	QPSK	1	137	21.26			22.0
100	QPSK	1	271	21.22			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	21.20			22.0
100	ISGAM	1	1	20.95			22.0
100	ISGAM	1	1	20.92			22.0
100	ISGAM	1	1	18.46			19.0
Channel							
Frequency [MHz]				64968	65000	65032	Turn-up time [dBm]
Channel							
90	QPSK	1	1	20.90	20.97	20.95	22.0
Channel							
Frequency [MHz]				64934	65000	65066	Turn-up time [dBm]
80	QPSK	1	1	21.00	20.95	21.01	22.0
Channel							
Frequency [MHz]				64902	65000	65098	Turn-up time [dBm]
70	QPSK	1	1	20.95	21.02	21.01	22.0
Channel							
Frequency [MHz]				64868	65000	65134	Turn-up time [dBm]
60	QPSK	1	1	21.02	20.92	21.06	22.0
Channel							
Frequency [MHz]				64834	65000	65166	Turn-up time [dBm]
50	QPSK	1	1	21.05	20.96	21.02	22.0
Channel							
Frequency [MHz]				64800	65000	65200	Turn-up time [dBm]
40	QPSK	1	1	20.97	21.06	20.94	22.0
Channel							
Frequency [MHz]				64766	65000	65234	Turn-up time [dBm]
30	QPSK	1	1	20.90	20.97	21.06	22.0
Channel							
Frequency [MHz]				64732	65000	65266	Turn-up time [dBm]
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]				38000	38334		
100	PSS-BPSK	1	1	21.36			
100	PSS-BPSK	1	137	21.34			22.0
100	PSS-BPSK	1	271	21.24			22.0
100	PSS-BPSK	135	0	21.35			22.0
100	PSS-BPSK	135	0	21.25			22.0
100	PSS-BPSK	135	136	21.25			22.0
100	PSS-BPSK	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	21.30			22.0
100	ISGAM	1	1	21.29			22.0
100	ISGAM	1	1	20.78			21.5
100	ISGAM	1	1	18.46			19.5
Channel							
Frequency [MHz]				63000	63334	63668	Turn-up time [dBm]
Channel							
90	QPSK	1	1	21.29	21.36	21.30	22.0
Channel							
Frequency [MHz]				63068	63334	63600	Turn-up time [dBm]
80	QPSK	1	1	21.38	20.91	21.31	22.0
Channel							
Frequency [MHz]				63134	63334	63534	Turn-up time [dBm]
70	QPSK	1	1	21.29	21.30	21.25	22.0
Channel							
Frequency [MHz]				63200	63334	63466	Turn-up time [dBm]
60	QPSK	1	1	21.28	21.38	21.28	22.0
Channel							
Frequency [MHz]				63266	63334	63434	Turn-up time [dBm]
50	QPSK	1	1	21.26	21.37	21.26	22.0
Channel							
Frequency [MHz]				63334	63334	63334	Turn-up time [dBm]
40	QPSK	1	1	21.30	20.91	21.31	22.0
Channel							
Frequency [MHz]				63400	63334	63334	Turn-up time [dBm]
30	QPSK	1	1	21.28	21.38	21.28	22.0
Channel							
Frequency [MHz]				63466	63334	63334	Turn-up time [dBm]
20	QPSK	1	1	21.37	21.36	21.30	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]				63000	63334		
100	PSS-BPSK	1	1	21.36			
100	PSS-BPSK	1	137	21.34			22.0
100	PSS-BPSK	1	271	21.24			22.0
100	PSS-BPSK	135	0	21.35			22.0
100	PSS-BPSK	135	0	21.25			22.0
100	PSS-BPSK	135	136	21.25			22.0
100	PSS-BPSK	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	21.30			22.0
100	ISGAM	1	1	21.29			22.0
100	ISGAM	1	1	21.33			22.0
100	ISGAM	1	1	21.34			22.0
Channel							
Frequency [MHz]				63000	63334	63668	Turn-up time [dBm]
90	QPSK	1	1	21.28	21.36	21.30	22.0
Channel							
Frequency [MHz]				63068	63334	63600	Turn-up time [dBm]
80	QPSK	1	1	21.38	20.91	21.31	22.0
Channel							
Frequency [MHz]				63134	63334	63534	Turn-up time [dBm]
70	QPSK	1	1	21.29	21.30	21.25	22.0
Channel							
Frequency [MHz]				63200	63334	63466	Turn-up time [dBm]
60	QPSK	1	1	21.26	21.38	21.33	22.0
Channel							
Frequency [MHz]				63266	63334	63550	Turn-up time [dBm]
50	QPSK	1	1	21.32	21.32	21.28	22.0
Channel							
Frequency [MHz]				63334	63334	63334	Turn-up time [dBm]
40	QPSK	1	1	21.36	21.37	21.26	22.0
Channel							
Frequency [MHz]				63400	63334	63466	Turn-up time [dBm]
30	QPSK	1	1	21.30	21.33	21.33	22.0
Channel							
Frequency [MHz]				63466	63334	63500	Turn-up time [dBm]
20	QPSK	1	1	21.36	21.31	21.33	22.0
Channel							
Frequency [MHz]				63534	63334	63500	Turn-up time [dBm]
10	QPSK	1	1	21.37	21.39	21.33	22.0



Part270 n77 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)	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	19.46	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. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	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	19.40	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	19.46	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. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PSS-BPSK	1	1	19.51					
100	PSS-BPSK	1	137	19.50			21.0	0.0	
100	PSS-BPSK	1	271	19.53					
100	PSS-BPSK	136	0	19.40			21.0	0.0	
100	PSS-BPSK	136	0	19.40			21.0	0.0	
100	PSS-BPSK	136	136	19.44			21.0	0.0	
100	PSS-BPSK	270	0	19.50					
100	QPSK	1	1	19.55					
100	QPSK	1	137	19.42			21.0	0.0	
100	QPSK	1	271	19.40					
100	QPSK	136	0	19.42			21.0	0.0	
100	QPSK	136	0	19.44			21.0	0.0	
100	QPSK	136	136	19.50			21.0	0.0	
100	QPSK	270	0	19.48					
100	SSB-AM	1	1	19.47			21.0	0.0	
100	SSB-AM	1	1	19.51			19.5	1.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	19.50	19.53	19.51	21.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	19.51	19.49	19.49	21.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	19.53	19.49	19.47	21.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	19.57	19.49	19.44	21.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	19.62	19.50	19.52	21.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	19.63	19.50	19.40	21.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	19.60	19.49	19.41	21.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.63	19.52	19.61	21.0	0.0	

Part27Q n77 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)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PSS-BPSK	1	1	19.51					
100	PSS-BPSK	1	137	19.50			21.0		0.0
100	PSS-BPSK	1	273	19.49			21.0		0.0
100	PSS-BPSK	156	0	19.50			21.0		0.0
100	PSS-BPSK	156	136	19.49			21.0		0.0
100	PSS-BPSK	213	0	19.50			21.0		0.0
100	QPSK	1	1	19.51					
100	QPSK	1	137	19.50			21.0		0.0
100	QPSK	1	273	19.49			21.0		0.0
100	QPSK	156	0	19.50			21.0		0.0
100	QPSK	156	136	19.49			21.0		0.0
100	QPSK	213	0	19.50			21.0		0.0
100	QPSK	213	136	19.49			21.0		0.0
100	QPSK	273	0	19.50			21.0		0.0
100	QPSK	273	136	19.49			21.0		0.0
100	QPSK	273	273	19.49			21.0		0.0
100	QPSK	273	409	19.49			21.0		0.0
100	QPSK	273	545	19.49			21.0		0.0
100	QPSK	273	681	19.49			21.0		0.0
100	QPSK	273	817	19.49			21.0		0.0
100	QPSK	273	953	19.49			21.0		0.0
100	QPSK	273	1089	19.49			21.0		0.0
100	QPSK	273	1225	19.49			21.0		0.0
100	QPSK	273	1361	19.49			21.0		0.0
100	QPSK	273	1497	19.49			21.0		0.0
100	QPSK	273	1633	19.49			21.0		0.0
100	QPSK	273	1769	19.49			21.0		0.0
100	QPSK	273	1905	19.49			21.0		0.0
100	QPSK	273	2041	19.49			21.0		0.0
100	QPSK	273	2177	19.49			21.0		0.0
100	QPSK	273	2313	19.49			21.0		0.0
100	QPSK	273	2449	19.49			21.0		0.0
100	QPSK	273	2585	19.49			21.0		0.0
100	QPSK	273	2721	19.49			21.0		0.0
100	QPSK	273	2857	19.49			21.0		0.0
100	QPSK	273	2993	19.49			21.0		0.0
100	QPSK	273	3129	19.49			21.0		0.0
100	QPSK	273	3265	19.49			21.0		0.0
100	QPSK	273	3401	19.49			21.0		0.0
100	QPSK	273	3537	19.49			21.0		0.0
100	QPSK	273	3673	19.49			21.0		0.0
100	QPSK	273	3809	19.49			21.0		0.0
100	QPSK	273	3945	19.49			21.0		0.0
100	QPSK	273	4081	19.49			21.0		0.0
100	QPSK	273	4217	19.49			21.0		0.0
100	QPSK	273	4353	19.49			21.0		0.0
100	QPSK	273	4489	19.49			21.0		0.0
100	QPSK	273	4625	19.49			21.0		0.0
100	QPSK	273	4761	19.49			21.0		0.0
100	QPSK	273	4897	19.49			21.0		0.0
100	QPSK	273	5033	19.49			21.0		0.0
100	QPSK	273	5169	19.49			21.0		0.0
100	QPSK	273	5305	19.49			21.0		0.0
100	QPSK	273	5441	19.49			21.0		0.0
100	QPSK	273	5577	19.49			21.0		0.0
100	QPSK	273	5713	19.49			21.0		0.0
100	QPSK	273	5849	19.49			21.0		0.0
100	QPSK	273	5985	19.49			21.0		0.0
100	QPSK	273	6121	19.49			21.0		0.0
100	QPSK	273	6257	19.49			21.0		0.0
100	QPSK	273	6393	19.49			21.0		0.0
100	QPSK	273	6529	19.49			21.0		0.0
100	QPSK	273	6665	19.49			21.0		0.0
100	QPSK	273	6801	19.49			21.0		0.0
100	QPSK	273	6937	19.49			21.0		0.0
100	QPSK	273	7073	19.49			21.0		0.0
100	QPSK	273	7209	19.49			21.0		0.0
100	QPSK	273	7345	19.49			21.0		0.0
100	QPSK	273	7481	19.49			21.0		0.0
100	QPSK	273	7617	19.49			21.0		0.0
100	QPSK	273	7753	19.49			21.0		0.0
100	QPSK	273	7889	19.49			21.0		0.0
100	QPSK	273	8025	19.49			21.0		0.0
100	QPSK	273	8161	19.49			21.0		0.0
100	QPSK	273	8297	19.49			21.0		0.0
100	QPSK	273	8433	19.49			21.0		0.0
100	QPSK	273	8569	19.49			21.0		0.0
100	QPSK	273	8705	19.49			21.0		0.0
100	QPSK	273	8841	19.49			21.0		0.0
100	QPSK	273	8977	19.49			21.0		0.0
100	QPSK	273	9113	19.49			21.0		0.0
100	QPSK	273	9249	19.49			21.0		0.0
100	QPSK	273	9385	19.49			21.0		0.0
100	QPSK	273	9521	19.49			21.0		0.0
100	QPSK	273	9657	19.49			21.0		0.0
100	QPSK	273	9793	19.49			21.0		0.0
100	QPSK	273	9929	19.49			21.0		0.0
100	QPSK	273	10065	19.49			21.0		0.0
100	QPSK	273	10201	19.49			21.0		0.0
100	QPSK	273	10337	19.49			21.0		0.0
100	QPSK	273	10473	19.49			21.0		0.0
100	QPSK	273	10609	19.49			21.0		0.0
100	QPSK	273	10745	19.49			21.0		0.0
100	QPSK	273	10881	19.49			21.0		0.0
100	QPSK	273	11017	19.49			21.0		0.0
100	QPSK	273	11153	19.49			21.0		0.0
100	QPSK	273	11289	19.49			21.0		0.0
100	QPSK	273	11425	19.49			21.0		0.0
100	QPSK	273	11561	19.49			21.0		0.0
100	QPSK	273	11697	19.49			21.0		0.0
100	QPSK	273	11833	19.49			21.0		0.0
100	QPSK	273	11969	19.49			21.0		0.0
100	QPSK	273	12105	19.49			21.0		0.0
100	QPSK	273	12241	19.49			21.0		0.0
100	QPSK	273	12377	19.49			21.0		0.0
100	QPSK	273	12513	19.49			21.0		0.0
100	QPSK	273	12649	19.49			21.0		0.0
100	QPSK	273	12785	19.49			21.0		0.0
100	QPSK	273	12921	19.49			21.0		0.0
100	QPSK	273	13057	19.49			21.0		0.0
100	QPSK	273	13193	19.49			21.0		0.0
100	QPSK	273	13329	19.49			21.0		0.0
100	QPSK	273	13465	19.49			21.0		0.0
100	QPSK	273	13601	19.49			21.0		0.0
100	QPSK	273	13737	19.49			21.0		0.0
100	QPSK	273	13873	19.49			21.0		0.0
100	QPSK	273	14009	19.49			21.0		0.0
100	QPSK	273	14145	19.49			21.0		0.0
100	QPSK	273	14281	19.49			21.0		0.0
100	QPSK	273	14417	19.49			21.0		0.0
100	QPSK	273	14553	19.49			21.0		0.0
100	QPSK	273	14689	19.49			21.0		0.0
100	QPSK	273	14825	19.49			21.0		0.0
100	QPSK	273	14961	19.49			21.0		0.0
100	QPSK	273	15097	19.49			21.0		0.0
100	QPSK	273	15233	19.49			21.0		0.0
100	QPSK	273	15369	19.49			21.0		0.0
100	QPSK	273	15505	19.49			21.0		0.0
100	QPSK	273	15641	19.49			21.0		0.0
100	QPSK	273	15777	19.49			21.0		0.0
100	QPSK	273	15913	19.49			21.0		0.0
100	QPSK	273	16049	19.49			21.0		0.0
100	QPSK	273	16185	19.49			21.0		0.0
100	QPSK	273	16321	19.49			21.0		0.0
100	QPSK	273	16457	19.49			21.0		0.0
100	QPSK	273	16593	19.49			21.0		0.0
100	QPSK	273	16729	19.49			21.0		0.0
100	QPSK	273	16865	19.49			21.0		0.0
100	QPSK	273	17001	19.49			21.0		0.0
100	QPSK	273	17137	19.49			21.0		0.0
100	QPSK	273	17273	19.49			21.0		0.0
100	QPSK	273	17409	19.49			21.0		0.0
100	QPSK	273	17545	19.49			21.0		0.0
100	QPSK	273	17681	19.49			21.0		0.0
100	QPSK	273	17817	19.49			21.0		0.0
100	QPSK	273	17953	19.49			21.0		0.0
100	QPSK	273	18089	19.49			21.0		0.0
100	QPSK	273	18225	19.49			21.0		0.0
100	QPSK	273	18361	19.49			21.0		0.0
100	QPSK	273	18497	19.49			21.0		0.0
100	QPSK	273	18633	19.49			21.0		0.0
100	QPSK	273	18769	19.49			21.0		0.0
100	QPSK	273	18905	19.49			21.0		0.0
100	QPSK	273	19041	19.49			21.0		0.0
100	QPSK	273	19177	19.49			21.0		0.0
100	QPSK	273	19313	19.49			21.0		0.0
100	QPSK	273	19449	19.49			21.0		0.0
100	QPSK	273	19585	19.49			21.0		0.0
100	QPSK	273	19721	19.49			21.0		0.0
100	QPSK	273	19857	19.49			21.0		0.0
100	QPSK	273	19993	19.49					



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	19.31	19.31	19.31	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	21.0
100	QPSK	270	0	19.32	19.32	19.32	0.0
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	19.32	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	19.31	19.31	19.31	0.0
100	QPSK	1	1	19.38	19.38	19.38	21.0
100	QPSK	1	137	19.33	19.33	19.33	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	21.0
100	QPSK	270	0	19.32	19.32	19.32	0.0
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	19.33	19.33	19.33	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	19.32	19.34	19.35	21.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	19.42	19.42	19.40	21.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	19.35	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	19.49	19.49	19.49	0.0
100	QPSK	1	1	19.38	19.38	19.38	21.0
100	QPSK	1	137	19.48	19.48	19.48	0.0
100	QPSK	1	271	19.49	19.49	19.49	0.0
100	QPSK	136	0	19.47	19.47	19.47	21.0
100	QPSK	136	40	19.48	19.48	19.48	0.0
100	QPSK	136	136	19.54	19.54	19.54	21.0
100	QPSK	270	0	19.50	19.50	19.50	0.0
100	SSB4AM	1	1	19.50	19.50	19.50	21.0
100	SSB4AM	1	1	19.49	19.49	19.49	0.0
100	SSB4AM	1	1	19.50	19.50	19.50	1.5
Channel							
Frequency [MHz]							
50	QPSK	1	1	19.50	19.54	19.51	21.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	19.50	19.61	19.55	21.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	19.54	19.56	19.52	21.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	19.54	19.60	19.52	21.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	19.53	19.47	19.61	21.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	19.58	19.61	19.62	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	19.49	19.49	19.49	0.0
100	QPSK	1	1	19.38	19.38	19.38	21.0
100	QPSK	1	137	19.48	19.48	19.48	0.0
100	QPSK	1	271	19.49	19.49	19.49	0.0
100	QPSK	136	0	19.47	19.47	19.47	21.0
100	QPSK	136	40	19.48	19.48	19.48	0.0
100	QPSK	136	136	19.54	19.54	19.54	21.0
100	QPSK	270	0	19.50	19.50	19.50	0.0
100	SSB4AM	1	1	19.50	19.50	19.50	21.0
100	SSB4AM	1	1	19.49	19.49	19.49	0.0
100	SSB4AM	1	1	19.49	19.49	19.49	0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	19.58	19.54	19.51	21.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	21.0
Channel							
Frequency [MHz]							
100	QPSK	1	1	19.58	19.59	19.54	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				37000	37000	38000	16.5
Frequency (MHz)				1860	1860	1900	
20	P12 BPSK	1	1	14.73	14.98	14.89	0.0
20	P12 BPSK	1	53	14.71	14.95	14.60	
20	P12 BPSK	1	104	14.82	14.83	14.70	
20	P12 BPSK	50	0	14.88	14.88	14.85	16.5
20	P12 BPSK	50	25	14.74	14.86	14.70	16.5
20	P12 BPSK	50	56	14.70	14.91	14.72	16.5
20	P12 BPSK	100	0	14.74	14.82	14.69	16.5
20	QPSK	1	1	14.94	14.99	14.81	0.0
20	QPSK	1	53	14.66	14.81	14.79	
20	QPSK	1	104	14.78	14.85	14.80	
20	QPSK	50	0	14.75	14.90	14.75	16.5
20	QPSK	50	25	14.86	14.95	14.78	16.5
20	QPSK	50	56	14.87	14.87	14.81	16.5
20	QPSK	100	0	14.90	14.97	14.75	16.5
20	16QAM	1	1	14.74	14.88	14.75	16.5
20	64QAM	1	1	14.79	14.78	14.75	16.5
20	256QAM	1	1	14.76	14.74	14.69	16.5
Channel				37150	37000	38050	Tune-up limit
Frequency (MHz)				1867.5	1860	1892.5	MPR (dB)
15	QPSK	1	1	14.87	14.88	14.78	16.5
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1865	1860	1905	MPR (dB)
10	QPSK	1	1	14.84	14.80	14.75	16.5
Channel				370500	370500	381500	Tune-up limit
Frequency (MHz)				1862.5	1860	1907.5	MPR (dB)
5	QPSK	1	1	14.91	14.84	14.78	16.5

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				37000	376500	379500	16.5
Frequency (MHz)				1870	1882.5	1895	
40	P12 BPSK	1	1	14.87	14.97	14.99	0.0
40	P12 BPSK	1	108	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	16.5
40	P12 BPSK	108	108	15.00	15.06	14.87	16.5
40	P12 BPSK	216	0	14.87	14.86	14.75	16.5
40	QPSK	1	1	15.01	15.08	14.86	0.0
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	16.5
40	QPSK	108	54	14.99	15.05	14.91	16.5
40	QPSK	108	108	14.91	14.96	14.93	16.5
40	QPSK	216	0	14.86	14.97	14.83	16.5
40	16QAM	1	1	14.81	14.98	14.91	16.5
40	64QAM	1	1	14.91	14.93	14.90	16.5
40	256QAM	1	1	14.89	15.06	14.93	16.5
Channel				373000	376500	380000	Tune-up limit
Frequency (MHz)				1885	1882.5	1890	MPR (dB)
30	QPSK	1	1	14.90	14.95	14.83	16.5
Channel				372000	376500	381000	Tune-up limit
Frequency (MHz)				1880	1882.5	1905	MPR (dB)
20	QPSK	1	1	14.92	14.88	14.81	16.5
Channel				371500	376500	381500	Tune-up limit
Frequency (MHz)				1867.5	1882.5	1907.5	MPR (dB)
15	QPSK	1	1	14.89	14.89	14.80	16.5
Channel				371000	376500	382000	Tune-up limit
Frequency (MHz)				1865	1882.5	1910	MPR (dB)
10	QPSK	1	1	14.95	14.90	14.83	16.5
Channel				370500	376500	382500	Tune-up limit
Frequency (MHz)				1862.5	1882.5	1912.5	MPR (dB)
5	QPSK	1	1	14.95	14.89	14.80	16.5

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				346000	346000	350000	22.0
Frequency (MHz)				1734	1745	1760	
40	P12 BPSK	1	1	21.54	21.68	21.55	0.0
40	P12 BPSK	1	108	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	22.0
40	P12 BPSK	108	108	21.52	21.65	21.59	22.0
40	P12 BPSK	216	0	21.57	21.69	21.63	22.0
40	QPSK	1	1	21.61	21.77	21.65	0.0
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	22.0
40	QPSK	108	54	21.64	21.73	21.63	22.0
40	QPSK	108	108	21.61	21.69	21.56	22.0
40	QPSK	216	0	21.63	21.71	21.70	22.0
40	16QAM	1	1	21.52	21.71	21.69	22.0
40	64QAM	1	1	20.54	20.66	20.53	21.5
40	256QAM	1	1	18.46	18.56	18.44	19.5
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1724	1745	1765	MPR (dB)
30	QPSK	1	1	21.58	21.62	21.58	22.0
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	MPR (dB)
20	QPSK	1	1	21.60	21.60	21.60	22.0
Channel				343000	349000	354000	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	MPR (dB)
15	QPSK	1	1	21.62	21.67	21.62	22.0
Channel				342500	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	MPR (dB)
10	QPSK	1	1	21.62	21.65	21.65	22.0
Channel				342000	349000	355000	Tune-up limit
Frequency (MHz)				1712.5	1745	1772.5	MPR (dB)
5	QPSK	1	1	21.51	21.68	21.60	22.0

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				505200	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				505200	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	2592.99	2679.99			
20	QPSK	1	1	23.30	23.37	23.30	24.0		0.0

Part270 n77 PC2&PC3 END C 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	PV2 BPSK	1	1	16.55	16.67	16.69	18.0	0.0
100	PV2 BPSK	1	137	16.58	16.67	16.61		
100	PV2 BPSK	1	271	16.63	16.59	16.59		
100	PV2 BPSK	135	0	16.55	16.55	16.61		
100	PV2 BPSK	135	69	16.56	16.67	16.51	18.0	0.0
100	PV2 BPSK	135	138	16.59	16.59	16.44	18.0	0.0
100	PV2 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		
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 END C 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	PV2 BPSK	1	1	16.53	16.58	16.61	18.0	0.0
100	PV2 BPSK	1	137	16.41	16.59	16.34		
100	PV2 BPSK	1	271	16.55	16.58	16.55		
100	PV2 BPSK	135	0	16.55	16.55	16.60		
100	PV2 BPSK	135	69	16.55	16.61	16.45	18.0	0.0
100	PV2 BPSK	135	138	16.51	16.61	16.53	18.0	0.0
100	PV2 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		
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	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	16.39	16.54	16.30	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	16.36	16.48	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	16.40	16.51	16.32	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	16.38	16.56	16.29	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	16.39	16.53	16.39	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	16.42	16.52	16.33	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	16.41	16.54	16.36	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	16.42	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	18.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PV2 BPSK	1	1		16.60		18.0	0.0
100	PV2 BPSK	1	137		16.59			
100	PV2 BPSK	1	271		16.49		18.0	0.0
100	PV2 BPSK	135	0		16.44			
100	PV2 BPSK	135	69		16.57		18.0	0.0
100	PV2 BPSK	135	138		16.47			
100	PV2 BPSK	270	0		16.52		18.0	0.0
100	QPSK	1	1		16.68			
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				648668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01	18.0	0.0
90	QPSK	1	1		16.41	16.48		
Channel				649334	650000	650668	18.0	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		16.42	16.56	18.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765	18.0	0.0
70	QPSK	1	1		16.40	16.51		
Channel				648668	650000	651334	18.0	0.0
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		16.40	16.55	18.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02	18.0	0.0
50	QPSK	1	1		16.46	16.57		
Channel				648000	650000	652000	18.0	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		16.47	16.48	18.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01	18.0	0.0
30	QPSK	1	1		16.43	16.55		
Channel				647334	650000	652668	18.0	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		16.38	16.48	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			18.0	0.0
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		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	16.36	16.48	16.40	18.0	0.0
Channel				632668	633334	634000	18.0	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.37	16.46	16.39	18.0	0.0
Channel				632334	633334	634334	18.0	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.35	16.47	16.35	18.0	0.0
Channel				632000	633334	634668	18.0	Tune-up limit (dBm)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.46	16.47	16.39	18.0	0.0
Channel				631668	633334	635000	18.0	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.47	16.51	16.42	18.0	0.0
Channel				631334	633334	635334	18.0	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.43	16.45	16.43	18.0	0.0
Channel				631000	633334	635668	18.0	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.43	16.47	16.38	18.0	0.0
Channel				630668	633334	636000	18.0	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3500.01	3540		
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	22.5	0.0	
Frequency (MHz)				2540.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.35	21.44	21.33			
100	PI/2 BPSK	1	137	21.38	21.43	21.30	22.5	0.0	
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	21.43			
100	PI/2 BPSK	270	0	21.40	21.49	21.47			
100	QPSK	1	1	21.48	21.51	21.35	22.5	0.0	
100	QPSK	1	137	21.36	21.39	21.31			
100	QPSK	1	271	21.28	21.40	21.27			
100	QPSK	135	0	21.33	21.45	21.35	22.5	0.0	
100	QPSK	135	69	21.44	21.49	21.40			
100	QPSK	135	138	21.32	21.42	21.29			
100	QPSK	270	0	21.40	21.43	21.36	22.5	0.0	
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	19.5		
Channel				507200	518598	529998	Tune-up limit		MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)		(dB)
90	QPSK	1	1	21.32	21.38	21.23	22.5		0.0
Channel				507204	518598	529998	Tune-up limit		MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)		(dB)
80	QPSK	1	1	21.38	21.49	21.23	22.5		0.0
Channel				507200	518598	531998	Tune-up limit		MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)		(dB)
60	QPSK	1	1	21.42	21.47	21.18	22.5		0.0
Channel				504204	518598	532998	Tune-up limit		MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)		(dB)
50	QPSK	1	1	21.39	21.36	21.26	22.5		0.0
Channel				503202	518598	534000	Tune-up limit		MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)		(dB)
40	QPSK	1	1	21.45	21.42	21.28	22.5		0.0
Channel				502200	518598	534998	Tune-up limit		MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)		(dB)
30	QPSK	1	1	21.38	21.39	21.29	22.5		0.0
Channel				501204	518598	535998	Tune-up limit		MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)		(dB)
20	QPSK	1	1	21.38	21.35	21.20	22.5		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				509202	518598	528000	22.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.35	21.44	21.33			
100	PI/2 BPSK	1	137	21.38	21.43	21.30	22.5	0.0	
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	22.5	0.0	
100	QPSK	1	137	21.36	21.39	21.31			
100	QPSK	1	271	21.28	21.40	21.27			
100	QPSK	135	0	21.33	21.45	21.35	22.5	0.0	
100	QPSK	135	69	21.44	21.49	21.40			
100	QPSK	135	138	21.32	21.42	21.29			
100	QPSK	270	0	21.40	21.43	21.36	22.5	0.0	
100	16QAM	1	1	21.32	21.38	21.33			
100	64QAM	1	1	21.43	21.47	21.34			
100	256QAM	1	1	21.25	21.35	21.19	22.5		0.0
Channel				508200	518598	529998	Tune-up limit		MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)		(dB)
90	QPSK	1	1	21.32	21.38	21.23	22.5		0.0
Channel				507204	518598	529998	Tune-up limit		MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)		(dB)
80	QPSK	1	1	21.38	21.49	21.23	22.5		0.0
Channel				507200	518598	531998	Tune-up limit		MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)		(dB)
60	QPSK	1	1	21.42	21.47	21.18	22.5		0.0
Channel				504204	518598	532998	Tune-up limit		MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)		(dB)
50	QPSK	1	1	21.39	21.36	21.26	22.5		0.0
Channel				503202	518598	534000	Tune-up limit		MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)		(dB)
40	QPSK	1	1	21.45	21.42	21.28	22.5		0.0
Channel				502200	518598	534998	Tune-up limit		MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)		(dB)
30	QPSK	1	1	21.38	21.39	21.29	22.5		0.0
Channel				501204	518598	535998	Tune-up limit		MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)		(dB)
20	QPSK	1	1	21.38	21.35	21.20	22.5		0.0

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	19.0	0.0	
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			
100	Pi/2 BPSK	270	0	18.00	18.05	17.93	19.0	0.0	
100	QPSK	1	1	18.08	18.21	18.17			
100	QPSK	1	137	17.97	18.10	17.95	19.0	0.0	
100	QPSK	1	271	17.95	18.08	18.00			
100	QPSK	135	0	17.99	18.07	17.93	19.0	0.0	
100	QPSK	135	69	18.06	18.15	18.13			
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			
100	256QAM	1	1	17.94	18.05	18.04	19.0	0.0	
Channel				648668	666000	663334		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		MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.92	18.00	18.13	19.0	0.0	
Channel				649200	666000	663000		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		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		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		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		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		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	19.0	0.0	
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			
100	Pi/2 BPSK	270	0			18.52	19.0	0.0	
100	QPSK	1	1			18.58			
100	QPSK	1	137			18.51	19.0	0.0	
100	QPSK	1	271			18.55			
100	QPSK	135	0			18.50	19.0	0.0	
100	QPSK	135	69			18.56			
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			
100	256QAM	1	1			18.40	19.0	0.0	
Channel				633000	633334	633668		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		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		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		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		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		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		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		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	PI/2 BPSK	1	1		18.04		19.0	0.0	
100	PI/2 BPSK	1	137		18.03				
100	PI/2 BPSK	1	271		18.01		19.0	0.0	
100	PI/2 BPSK	135	0		18.01				
100	PI/2 BPSK	135	69		18.03		19.0	0.0	
100	PI/2 BPSK	135	138		18.05				
100	PI/2 BPSK	270	0		18.00		19.0	0.0	
100	QPSK	1	1		18.11				
100	QPSK	1	137		18.08		19.0	0.0	
100	QPSK	1	271		17.95				
100	QPSK	135	0		17.96		19.0	0.0	
100	QPSK	135	69		18.06				
100	QPSK	135	138		18.00		19.0	0.0	
100	QPSK	270	0		18.06				
100	16QAM	1	1		17.94		19.0	0.0	
100	64QAM	1	1		18.00				
100	256QAM	1	1		17.95		19.0	0.0	
Channel				648668	650000	650334		MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		17.95	18.01	17.95	19.0	
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	
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	
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	
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	
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	
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	
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	

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	PI/2 BPSK	1	1		18.45		19.0	0.0	
100	PI/2 BPSK	1	137		18.46				
100	PI/2 BPSK	1	271		18.41		19.0	0.0	
100	PI/2 BPSK	135	0		18.38				
100	PI/2 BPSK	135	69		18.36		19.0	0.0	
100	PI/2 BPSK	135	138		18.39				
100	PI/2 BPSK	270	0		18.41		19.0	0.0	
100	QPSK	1	1		18.50				
100	QPSK	1	137		18.40		19.0	0.0	
100	QPSK	1	271		18.34				
100	QPSK	135	0		18.44		19.0	0.0	
100	QPSK	135	69		18.46				
100	QPSK	135	138		18.33		19.0	0.0	
100	QPSK	270	0		18.41				
100	16QAM	1	1		18.38		19.0	0.0	
100	64QAM	1	1		18.43				
100	256QAM	1	1		18.35		19.0	0.0	
Channel				633000	633334	633668		Tune-up limit (dBm)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		18.39	18.47	18.38	19.0	
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	
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	
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	
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	
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	
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	
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	



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	19.78	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		
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	(dBm)	(dB)
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	(dBm)	(dB)
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	(dBm)	(dB)
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		
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		
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	(dBm)	(dB)
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	(dBm)	(dB)
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	(dBm)	(dB)
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	(dBm)	(dB)
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	(dBm)	(dB)
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	22.55	22.55			
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	19.85	19.78	19.58	21.0	2.5	
100	ISACAM	1	1	17.75	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	24.55	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	22.99	23.16	23.88	24.5	1.5	
100	ISACAM	1	1	21.15	21.20	21.10	22.0	3.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.34	24.54	24.40	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	23.50			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	23.76			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	23.16	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	23.10	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	
100	PSS-BPSK	156	0	23.88	23.94				
100	PSS-BPSK	156	0	23.88	23.94		25.0	0.0	
100	PSS-BPSK	156	136	23.88	23.94				
100	PSS-BPSK	213	0	23.24					
100	PSS-BPSK	213	0	23.28			25.0	0.0	
100	QPSK	1	137	28.17			25.0	0.1	
100	QPSK	1	137	28.17					
100	QPSK	156	0	23.73			25.0	0.0	
100	QPSK	156	0	23.73					
100	QPSK	156	136	23.48			25.0	0.0	
100	QPSK	213	0	23.23					
100	QPSK	213	0	23.23			25.0	0.0	
100	8QAM	1	137	23.62			24.5	0.0	
100	8QAM	1	137	23.62			24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	61500	61534	61584	Turn-up time	MPS	
50	QPSK	1	1	24.21	24.32	24.38	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	61568	61534	61550	Turn-up time	MPS	
50	QPSK	1	1	24.25	24.32	24.35	25.0	0.0	
50	QPSK	1	1	24.25	24.27	24.25	23.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	61610	61575	61590	Turn-up time	MPS	
50	QPSK	1	1	34.610	34.601	35.010	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	61568	61534	61550	Turn-up time	MPS	
50	QPSK	1	1	24.28	24.31	24.32	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.19	24.24	24.27	23.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.25	24.26	24.17	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.19	24.30	24.22	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	61568	61534	61550	Turn-up time	MPS	
50	QPSK	1	1	24.27	24.29	24.33	25.0	0.0	



Part270 n78 Ant2							
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)
Channel							
Frequency [MHz]							
100	PSSBPSK	1	1	22.38	22.38		
100	PSSBPSK	1	137	22.35	22.35	24.0	0.0
100	PSSBPSK	1	271	22.33	22.33		
100	PSSBPSK	135	0	21.88	21.88	23.0	0.5
100	PSSBPSK	135	40	21.25	21.25	24.0	0.0
100	PSSBPSK	135	136	21.86	21.86	23.0	0.5
100	PSSBPSK	270	0	21.87	21.87		
100	QPSK	1	1	22.35	22.35	24.0	0.0
100	QPSK	1	137	22.40	22.40		
100	QPSK	1	271	22.42	22.42		
100	QPSK	135	0	21.30	21.30	23.0	1.0
100	QPSK	135	40	20.64	20.64	24.0	0.0
100	QPSK	135	136	21.32	21.32	23.0	1.0
100	QPSK	270	0	21.30	21.30		
100	ISACAM	1	1	21.18	21.18	23.0	1.0
100	ISACAM	1	1	19.96	19.96	23.0	2.5
100	ISACAM	1	1	17.36	17.36	23.0	4.5
Channel							
Frequency [MHz]							
50	QPSK	1	1	22.45	22.32	24.0	0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	22.30	22.30	24.0	0.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	22.31	22.36	24.0	0.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	22.34	22.39	24.0	0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	22.35	22.40	24.0	0.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	22.38	22.33	24.0	0.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	22.31	22.45	24.0	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	22.31	22.36	24.0	0.0

Part270 n78 PC2 Ant2							
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)
Channel							
Frequency [MHz]							
100	PSSBPSK	1	1	21.80	21.80		
100	PSSBPSK	1	137	21.71	21.71	23.0	0.0
100	PSSBPSK	1	271	21.24	21.24		
100	PSSBPSK	135	0	21.84	21.84	23.0	0.0
100	PSSBPSK	135	40	21.71	21.71	23.0	0.0
100	PSSBPSK	135	136	21.68	21.68	23.0	0.0
100	PSSBPSK	270	0	21.59	21.59		
100	QPSK	1	1	21.85	21.85	23.0	0.0
100	QPSK	1	137	21.89	21.89	23.0	0.0
100	QPSK	1	271	21.23	21.23		
100	QPSK	135	0	21.80	21.80	23.0	0.0
100	QPSK	135	40	21.66	21.66	23.0	0.0
100	QPSK	135	136	21.68	21.68	23.0	0.0
100	QPSK	270	0	21.65	21.65		
100	ISACAM	1	1	21.47	21.47	23.0	0.0
100	ISACAM	1	1	21.88	21.88	24.0	0.5
100	ISACAM	1	1	20.76	20.76	23.0	2.5
Channel							
Frequency [MHz]							
50	QPSK	1	1	21.71	21.82	23.0	0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	21.77	21.75	23.0	0.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	21.85	21.78	23.0	0.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	21.78	21.76	23.0	0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	21.78	21.80	23.0	0.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	21.71	21.83	23.0	0.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	21.78	21.77	23.0	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	21.84	21.77	23.0	0.0

Part270Q n78 Ant2							
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)
Channel							
Frequency [MHz]							
100	PSSBPSK	1	1	21.25	21.25		
100	PSSBPSK	1	137	21.84	21.84	24.0	0.0
100	PSSBPSK	1	271	21.75	21.75		
100	PSSBPSK	135	0	21.83	21.83	23.0	0.5
100	PSSBPSK	135	40	21.66	21.66	23.0	0.5
100	PSSBPSK	135	136	21.22	21.22	23.0	0.5
100	PSSBPSK	270	0	21.52	21.52		
100	QPSK	1	1	21.35	21.35	24.0	0.0
100	QPSK	1	137	21.38	21.38		
100	QPSK	1	271	21.82	21.82		
100	QPSK	135	0	21.78	21.78	23.0	1.0
100	QPSK	135	40	21.64	21.64	23.0	0.5
100	QPSK	135	136	21.73	21.73	23.0	1.0
100	QPSK	270	0	21.68	21.68		
100	ISACAM	1	1	21.27	21.27	23.0	1.0
100	ISACAM	1	1	20.82	20.82	23.0	2.5
100	ISACAM	1	1	19.56	19.56	23.0	4.5
Channel							
Frequency [MHz]							
50	QPSK	1	1	21.11	21.15	23.0	0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	21.12	21.23	23.0	0.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	21.21	21.26	23.0	0.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	21.19	21.24	23.0	0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	21.19	21.19	23.0	0.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	21.19	21.20	23.0	0.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	21.14	21.26	23.0	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	21.16	21.27	23.0	0.0

Part27Q n78 PC2 Ant2							
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)
Channel							
Frequency [MHz]							
100	PSSBPSK	1	1	24.17	24.17		
100	PSSBPSK	1	137	24.26	24.26	25.0	0.0
100	PSSBPSK	1	271	24.03	24.03		
100	PSSBPSK	135	0	23.82	23.82	25.0	0.0
100	PSSBPSK	135	40	23.22	23.22	25.0	0.0
100	PSSBPSK	135	136	23.75	23.75	25.0	0.0
100	PSSBPSK	270	0	23.85	23.85		
100	QPSK	1	1	24.23	24.23	25.0	0.0
100	QPSK	1	137	24.30	24.30	25.0	0.0
100	QPSK	1	271	24.12	24.12		
100	QPSK	135	0	23.87	23.87	25.0	0.0
100	QPSK	135	40	24.26	24.26	25.0	0.0
100	QPSK	135	136	23.78	23.78	25.0	0.0
100	QPSK	270	0	23.87	23.87		
100	ISACAM	1	1	23.41	23.41	24.0	0.5
100	ISACAM	1	1	21.71	21.71	23.0	2.5
Channel							
Frequency [MHz]							
50	QPSK	1	1	24.16	24.24	24.0	0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	24.18	24.29	24.0	0.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	24.17	24.26	24.0	0.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	24.18	24.21	24.0	0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	24.16	24.24	24.0	0.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	24.15	24.24	24.0	0.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	24.14	24.21	24.0	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	24.13	24.20	24.0	0.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	24.07	24.19	24.0	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	23.0	0.0	
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	22.5	0.5	
40	PI2 BPSK	1	104	21.80	21.85	21.74			
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	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			
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			
40	QPSK	50	28	21.85	21.96	21.88	23.0	0.0	
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	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	24.0	0.0	
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	23.5	0.5	
100	PI2 BPSK	1	271	22.91	22.95	22.90			
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	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	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			
100	PI2 BPSK	1	137	23.47	23.53	23.47	24.5	0.0	
100	PI2 BPSK	1	271	23.41	23.44	23.40			
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	24.5	0.0	
100	PI2 BPSK	270	0	23.29	23.43	23.31			
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	24.5	0.0	
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	24.5	0.0	
100	256QAM	1	1	21.47	21.49	21.33	22.5	2.0	
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	

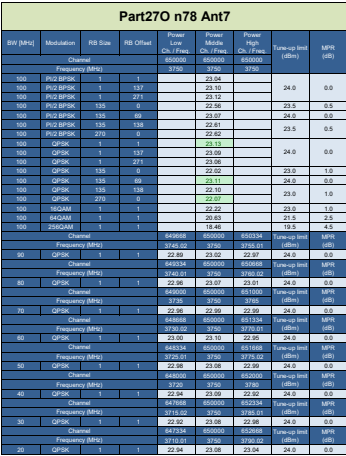


Part270 n77 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [dBm]	Power Max Ch. 1 Freq. [dBm]	Power High Ch. 1 Freq. [dBm]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PSS-BPSK	1	1	23.01	23.18	23.35			
100	PSS-BPSK	1	137	22.98	23.09	23.35	24.0	0.0	
100	PSS-BPSK	1	271	22.91	22.97	23.35			
100	PSS-BPSK	135	0	22.95	22.98	22.92	23.0	0.5	
100	PSS-BPSK	135	80	22.99	23.13	23.54	24.0	0.0	
100	PSS-BPSK	135	136	22.97	22.92	22.48	23.0	0.5	
100	PSS-BPSK	270	0	22.91	22.80	22.98			
100	QPSK	1	1	23.01	23.18	23.35			
100	QPSK	1	137	22.98	23.13	23.34	24.0	0.0	
100	QPSK	1	271	22.91	22.98	23.34			
100	QPSK	135	0	22.95	22.99	22.94	23.0	1.0	
100	QPSK	135	80	23.06	23.16	23.36	24.0	0.0	
100	QPSK	135	136	23.05	22.91	21.88	23.0	1.0	
100	QPSK	270	0	22.95	22.91	22.92	23.0	1.0	
100	MSKAM	1	1	18.70	18.77	18.70	19.0	4.5	
100	MSKAM	1	1	20.79	20.82	20.84	21.0	2.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.97	23.12	22.91	24.0	0.0	
50	QPSK	1	1	23.09	23.10	22.97	24.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.95	23.13	22.99	24.0	0.0	
80	QPSK	1	1	22.98	23.04	22.92	24.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	22.95	23.13	22.99	24.0	0.0	
70	QPSK	1	1	22.98	23.09	22.92	24.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	22.94	23.11	22.92	24.0	0.0	
60	QPSK	1	1	22.97	23.05	22.98	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.97	23.12	22.91	24.0	0.0	
50	QPSK	1	1	23.09	23.10	22.97	24.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.95	23.13	22.99	24.0	0.0	
40	QPSK	1	1	22.98	23.04	22.92	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.94	23.13	22.98	24.0	0.0	
30	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. 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	23.04	23.17	23.03			
100	PSS-BPSK	1	137	22.92	23.08	22.98	24.0	0.0	
100	PSS-BPSK	1	271	22.91	23.07	22.95			
100	PSS-BPSK	135	0	23.03	23.19	23.14	24.0	0.0	
100	PSS-BPSK	135	80	23.09	23.16	23.08	24.0	0.0	
100	PSS-BPSK	135	136	23.11	23.18	23.06	24.0	0.0	
100	PSS-BPSK	270	0	23.07	23.09	23.03			
100	QPSK	1	1	23.05	23.07	23.13			
100	QPSK	1	137	23.09	23.11	23.03	24.0	0.0	
100	QPSK	1	271	23.09	23.16	23.07			
100	QPSK	135	0	23.11	23.13	23.01	24.0	0.0	
100	QPSK	135	80	23.02	23.16	23.10	24.0	0.0	
100	QPSK	135	136	23.05	23.18	23.10	24.0	0.0	
100	QPSK	270	0	23.05	23.07	23.03	24.0	0.0	
100	MSKAM	1	1	23.02	23.15	23.07	24.0	0.0	
100	MSKAM	1	1	23.17	23.20	23.14	24.0	0.0	
100	MSKAM	1	1	21.43	21.54	21.45	22.0	1.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.95	23.08	22.95	24.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.99	23.18	22.97	24.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	22.94	23.12	23.05	24.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	23.12	23.11	23.09	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.95	23.17	22.97	24.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	23.03	23.10	23.04	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.92	23.12	23.05	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	23.02	23.11	23.06	24.0	0.0	

Part27Q n77 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	PSS-BPSK	1	1	23.38					
100	PSS-BPSK	1	137	23.28			24.0	0.0	
100	PSS-BPSK	1	271	23.03					
100	PSS-BPSK	135	0	22.89			23.0	0.0	
100	PSS-BPSK	135	80	23.24			23.0	0.0	
100	PSS-BPSK	135	136	22.83			23.0	0.0	
100	PSS-BPSK	270	0	22.71					
100	QPSK	1	1	23.05					
100	QPSK	1	137	23.29			24.0	0.0	
100	QPSK	1	271	23.13					
100	QPSK	135	0	22.34			23.0	1.0	
100	QPSK	135	80	23.25			23.0	0.0	
100	QPSK	135	136	23.12			23.0	1.0	
100	QPSK	270	0	22.17					
100	MSKAM	1	1	22.36			23.0	1.0	
100	MSKAM	1	1	20.72			21.5	2.5	
100	MSKAM	1	1	13.67			15.5	4.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.24	23.26	23.22	24.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	23.17	23.36	23.18	24.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	23.01	23.31	23.17	24.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	23.15	23.28	23.24	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.18	23.32	23.23	24.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	23.19	23.29	23.10	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	23.18	23.34	23.22	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	23.23	23.34	23.18	24.0	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	PSS-BPSK	1	1	23.44					
100	PSS-BPSK	1	137	23.45			24.0	0.0	
100	PSS-BPSK	1	271	23.33					
100	PSS-BPSK	156	0	23.37			24.0	0.0	
100	PSS-BPSK	156	136	23.40					
100	PSS-BPSK	156	268	23.42			24.0	0.0	
100	PSS-BPSK	271	0	23.24					
100	PSS-BPSK	271	136	23.48					
100	PSS-BPSK	1	137	23.45			24.0	0.0	
100	PSS-BPSK	1	271	23.33					
100	PSS-BPSK	156	0	23.33			24.0	0.0	
100	PSS-BPSK	156	136	23.40					
100	PSS-BPSK	156	268	23.40			24.0	0.0	
100	PSS-BPSK	271	0	23.23					
100	PSS-BPSK	271	136	23.43			24.0	0.0	
100	SS-BQAM	1	1	23.40			24.0	0.0	
100	SS-BQAM	1	1	23.40			24.0	0.0	
Channel									
Frequency [MHz]									
100	SS-BQAM	1	1	23.40	23.33	23.33	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43	23.43	Turn-up time	dBm	MPS
50	QPSK	1	1	23.46	23.43				

[illegible][illegible]

Part27q n78 PC2 Ant7							
RF MHz	Modulation	RF Side	RF Offset	Power [dBm]	Modulation [MHz]	Power [dBm]	RF Offset
Channel							
Frequency [MHz]				23.00	10.00		
500	PSK256QAM	1	1	23.00	23.00		
150	PSK256QAM	1	109	23.00	23.00	24.0	0.0
250	PSK256QAM	1	209	23.00	23.00	24.0	0.0
350	PSK256QAM	1	309	23.00	23.00	24.0	0.0
450	PSK256QAM	1	409	23.00	23.00	24.0	0.0
550	PSK256QAM	1	509	23.00	23.00	24.0	0.0
650	PSK256QAM	1	609	23.00	23.00	24.0	0.0
750	PSK256QAM	1	709	23.00	23.00	24.0	0.0
850	PSK256QAM	1	809	23.00	23.00	24.0	0.0
950	PSK256QAM	1	909	23.00	23.00	24.0	0.0
1050	PSK256QAM	1	1009	23.00	23.00	24.0	0.0
1150	PSK256QAM	1	1109	23.00	23.00	24.0	0.0
1250	PSK256QAM	1	1209	23.00	23.00	24.0	0.0
1350	PSK256QAM	1	1309	23.00	23.00	24.0	0.0
1450	PSK256QAM	1	1409	23.00	23.00	24.0	0.0
1550	PSK256QAM	1	1509	23.00	23.00	24.0	0.0
1650	PSK256QAM	1	1609	23.00	23.00	24.0	0.0
1750	PSK256QAM	1	1709	23.00	23.00	24.0	0.0
1850	PSK256QAM	1	1809	23.00	23.00	24.0	0.0
1950	PSK256QAM	1	1909	23.00	23.00	24.0	0.0
2050	PSK256QAM	1	2009	23.00	23.00	24.0	0.0
2150	PSK256QAM	1	2109	23.00	23.00	24.0	0.0
2250	PSK256QAM	1	2209	23.00	23.00	24.0	0.0
2350	PSK256QAM	1	2309	23.00	23.00	24.0	0.0
2450	PSK256QAM	1	2409	23.00	23.00	24.0	0.0
2550	PSK256QAM	1	2509	23.00	23.00	24.0	0.0
2650	PSK256QAM	1	2609	23.00	23.00	24.0	0.0
2750	PSK256QAM	1	2709	23.00	23.00	24.0	0.0
2850	PSK256QAM	1	2809	23.00	23.00	24.0	0.0
2950	PSK256QAM	1	2909	23.00	23.00	24.0	0.0
3050	PSK256QAM	1	3009	23.00	23.00	24.0	0.0
3150	PSK256QAM	1	3109	23.00	23.00	24.0	0.0
3250	PSK256QAM	1	3209	23.00	23.00	24.0	0.0
3350	PSK256QAM	1	3309	23.00	23.00	24.0	0.0
3450	PSK256QAM	1	3409	23.00	23.00	24.0	0.0
3550	PSK256QAM	1	3509	23.00	23.00	24.0	0.0
3650	PSK256QAM	1	3609	23.00	23.00	24.0	0.0
3750	PSK256QAM	1	3709	23.00	23.00	24.0	0.0
3850	PSK256QAM	1	3809	23.00	23.00	24.0	0.0
3950	PSK256QAM	1	3909	23.00	23.00	24.0	0.0
4050	PSK256QAM	1	4009	23.00	23.00	24.0	0.0
4150	PSK256QAM	1	4109	23.00	23.00	24.0	0.0
4250	PSK256QAM	1	4209	23.00	23.00	24.0	0.0
4350	PSK256QAM	1	4309	23.00	23.00	24.0	0.0
4450	PSK256QAM	1	4409	23.00	23.00	24.0	0.0
4550	PSK256QAM	1	4509	23.00	23.00	24.0	0.0
4650	PSK256QAM	1	4609	23.00	23.00	24.0	0.0
4750	PSK256QAM	1	4709	23.00	23.00	24.0	0.0
4850	PSK256QAM	1	4809	23.00	23.00	24.0	0.0
4950	PSK256QAM	1	4909	23.00	23.00	24.0	0.0
5050	PSK256QAM	1	5009	23.00	23.00	24.0	0.0
5150	PSK256QAM	1	5109	23.00	23.00	24.0	0.0
5250	PSK256QAM	1	5209	23.00	23.00	24.0	0.0
5350	PSK256QAM	1	5309	23.00	23.00	24.0	0.0
5450	PSK256QAM	1	5409	23.00	23.00	24.0	0.0
5550	PSK256QAM	1	5509	23.00	23.00	24.0	0.0
5650	PSK256QAM	1	5609	23.00	23.00	24.0	0.0
5750	PSK256QAM	1	5709	23.00	23.00	24.0	0.0
5850	PSK256QAM	1	5809	23.00	23.00	24.0	0.0
5950	PSK256QAM	1	5909	23.00	23.00	24.0	0.0
6050	PSK256QAM	1	6009	23.00	23.00	24.0	0.0
6150	PSK256QAM	1	6109	23.00	23.00	24.0	0.0
6250	PSK256QAM	1	6209	23.00	23.00	24.0	0.0
6350	PSK256QAM	1	6309	23.00	23.00	24.0	0.0
6450	PSK256QAM	1	6409	23.00	23.00	24.0	0.0
6550	PSK256QAM	1	6509	23.00	23.00	24.0	0.0
6650	PSK256QAM	1	6609	23.00	23.00	24.0	0.0
6750	PSK256QAM	1	6709	23.00	23.00	24.0	0.0
6850	PSK256QAM	1	6809	23.00	23.00	24.0	0.0
6950	PSK256QAM	1	6909	23.00	23.00	24.0	0.0
7050	PSK256QAM	1	7009	23.00	23.00	24.0	0.0
7150	PSK256QAM	1	7109	23.00	23.00	24.0	0.0
7250	PSK256QAM	1	7209	23.00	23.00	24.0	0.0
7350	PSK256QAM	1	7309	23.00	23.00	24.0	0.0
7450	PSK256QAM	1	7409	23.00	23.00	24.0	0.0
7550	PSK256QAM	1	7509	23.00	23.00	24.0	0.0
7650	PSK256QAM	1	7609	23.00	23.00	24.0	0.0
7750	PSK256QAM	1	7709	23.00	23.00	24.0	0.0
7850	PSK256QAM	1	7809	23.00	23.00	24.0	0.0
7950	PSK256QAM	1	7909	23.00	23.00	24.0	0.0
8050	PSK256QAM	1	8009	23.00	23.00	24.0	0.0
8150	PSK256QAM	1	8109	23.00	23.00	24.0	0.0
8250	PSK256QAM	1	8209	23.00	23.00	24.0	0.0
8350	PSK256QAM	1	8309	23.00	23.00	24.0	0.0
8450	PSK256QAM	1	8409	23.00	23.00	24.0	0.0
8550	PSK256QAM	1	8509	23.00	23.00	24.0	0.0
8650	PSK256QAM	1	8609	23.00	23.00	24.0	0.0
8750	PSK256QAM	1	8709	23.00	23.00	24.0	0.0
8850	PSK256QAM	1	8809	23.00	23.00	24.0	0.0
8950	PSK256QAM	1	8909	23.00	23.00	24.0	0.0
9050	PSK256QAM	1	9009	23.00	23.00	24.0	0.0
9150	PSK256QAM	1	9109	23.00	23.00	24.0	0.0
9250	PSK256QAM	1	9209	23.00	23.00	24.0	0.0
9350	PSK256QAM	1	9309	23.00	23.00	24.0	0.0
9450	PSK256QAM	1	9409	23.00	23.00	24.0	0.0
9550	PSK256QAM	1	9509	23.00	23.00	24.0	0.0
9650	PSK256QAM	1	9609	23.00	23.00	24.0	0.0
9750	PSK256QAM	1	9709	23.00	23.00	24.0	0.0
9850	PSK256QAM	1	9809	23.00	23.00	24.0	0.0
9950	PSK256QAM	1	9909	23.00	23.00	24.0	0.0
10050	PSK256QAM	1	10009	23.00	23.00	24.0	0.0
10150	PSK256QAM	1	10109	23.00	23.00	24.0	0.0
10250	PSK256QAM	1	10209	23.00	23.00	24.0	0.0
10350	PSK256QAM	1	10309	23.00	23.00	24.0	0.0
10450	PSK256QAM	1	10409	23.00	23.00	24.0	0.0
10550	PSK256QAM	1	10509	23.00	23.00	24.0	0.0
10650	PSK256QAM	1	10609	23.00	23.00	24.0	0.0
10750	PSK256QAM	1	10709	23.00	23.00	24.0	0.0
10850	PSK256QAM	1	10809	23.00	23.00	24.0	0.0
10950	PSK256QAM	1	10909	23.00	23.00	24.0	0.0
11050	PSK256QAM	1	11009	23.00	23.00	24.0	0.0
11150	PSK256QAM	1	11109	23.00	23.00	24.0	0.0
11250	PSK256QAM	1	11209	23.00	23.00	24.0	0.0
11350	PSK256QAM	1	11309	23.00	23.00	24.0	0.0
11450	PSK256QAM	1	11409	23.00	23.00	24.0	0.0
11550	PSK256QAM	1	11509	23.00	23.00	24.0	0.0
11650	PSK256QAM	1	11609	23.00	23.00	24.0	0.0
11750	PSK256QAM	1	11709	23.00	23.00	24.0	0.0
11850	PSK256QAM	1	11809	23.00	23.00	24.0	0.0
11950	PSK256QAM	1	11909	23.00	23.00	24.0	0.0
12050	PSK256QAM	1	12009	23.00	23.00	24.0	0.0
12150	PSK256QAM	1	12109	23.00	23.00	24.0	0.0
12250	PSK256QAM	1	12209	23.00	23.00	24.0	0.0
12350	PSK256QAM	1	12309	23.00	23.00	24.0	0.0
12450	PSK256QAM	1	12409	23.00	23.00	24.0	0.0
12550	PSK256QAM	1	12509	23.00	23.00	24.0	0.0
12650	PSK256QAM	1	12609	23.00	23.00	24.0	0.0
12750	PSK256QAM	1	12709	23.00	23.00	24.0	0.0
12850	PSK256QAM	1	12809	23.00	23.00	24.0	0.0
12950	PSK256QAM	1	12909	23.00	23.00	24.0	0.0
13050	PSK256QAM	1	13009	23.00	23.00	24.0	0.0
13150	PSK256QAM	1	13109	23.00	23.00	24.0	0.0
13250	PSK256QAM	1	13209	23.00	23.00	24.0	0.0
13350	PSK256QAM	1	13309	23.00	23.00	24.0	0.0
13450	PSK256QAM	1	13409	23.00	23.00	24.0	0.0
13550	PSK256QAM	1	13509	23.00	23.00	24.0	0.0
13650	PSK256QAM	1	13609	23.00	23.00	24.0	0.0
13750	PSK256QAM	1	13709	23.00	23.00	24.0	0.0
13850	PSK256QAM	1	13809	23.00	23.00	24.0	0.0
13950	PSK256QAM	1	13909	23.00	23.00	24.0	0.0
14050	PSK256QAM	1	14009	23.00	23.00	24.0	0.0
14150	PSK256QAM	1	14109	23.00	23.00	24.0	0.0
14250	PSK256QAM	1	14209	23.00	23.00	24.0	0.0
14350	PSK256QAM	1	14309	23.00	23.00	24.0	0.0
14450	PSK256QAM	1	14409	23.00	23.00	24.0	0.0
14550	PSK256QAM	1	14509	23.00	23.00	24.0	0.0
14650	PSK256QAM	1	14609	23.00	23.00	24.0	0.0
14750	PSK256QAM	1	14709	23.00	23.00	24.0	0.0
14850	PSK256QAM	1	14809	23.00	23.00	24.0	0.0
14950	PSK256QAM	1	14909	23.00	23.00	24.0	0.0
15050	PSK256QAM	1	15009	23.00	23.00	24.0	0.0
15150	PSK256QAM	1	15109	23.00	23.00	24.0	0.0
15250	PSK256QAM	1	15209	23.00	23.00	24.0	0.0
15350	PSK256QAM	1	15309	23.00	23.00	24.0	0.0
15450	PSK256QAM	1	15409	23.00	23.00	24.0	0.0
15550	PSK256QAM	1	15509	23.00	23.00	24.0	0.0
15650	PSK256QAM	1	15609	23.00	23.00	24.0	0.0
15750	PSK256QAM	1	15709	23.00	23.00		



Part270 n77 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)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PUS BPSK	1	1	20.41	20.52	20.44			
100	PUS BPSK	1	137	20.45	20.59	20.44	22.0	0.0	
100	PUS BPSK	1	271	20.41	20.57	20.43			
100	PUS BPSK	136	0	20.58	20.55	20.47	22.0	0.0	
100	PUS BPSK	136	86	20.59	20.55	20.50	22.0	0.0	
100	PUS BPSK	136	136	20.58	20.54	20.50	22.0	0.0	
100	PUS BPSK	270	0	20.55	20.50	20.47			
100	QPSK	1	1	20.51	20.55	20.49	22.0	0.0	
100	QPSK	1	137	20.51	20.55	20.49	22.0	0.0	
100	QPSK	1	271	20.54	20.51	20.44			
100	QPSK	136	0	20.57	20.59	20.50	22.0	0.0	
100	QPSK	136	86	20.44	20.50	20.44	22.0	0.0	
100	QPSK	136	136	20.45	20.54	20.48	22.0	0.0	
100	QPSK	270	0	20.41	20.50	20.43			
100	ISACAM	1	1	20.45	20.55	20.44	22.0	0.5	
100	ISACAM	1	1	20.17	20.21	20.17	21.5	0.5	
100	ISACAM	1	1	17.58	18.50	17.58	19.0	2.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.48	20.52	20.45	22.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.49	20.52	20.39	22.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.44	20.59	20.39	22.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.54	20.54	20.43	22.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.54	20.51	20.35	22.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.53	20.55	20.38	22.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.58	20.53	20.48	22.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.56	20.52	20.48	22.0	0.0	

Part270 n77 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)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PUS BPSK	1	1	20.41	20.52	20.44			
100	PUS BPSK	1	137	20.45	20.59	20.44	22.0	0.0	
100	PUS BPSK	1	271	20.41	20.57	20.43			
100	PUS BPSK	136	0	20.58	20.55	20.47	22.0	0.0	
100	PUS BPSK	136	86	20.59	20.55	20.50	22.0	0.0	
100	PUS BPSK	136	136	20.58	20.44	20.50	22.0	0.0	
100	PUS BPSK	270	0	20.55	20.50	20.47			
100	QPSK	1	1	20.51	20.55	20.50			
100	QPSK	1	137	20.51	20.55	20.49	22.0	0.0	
100	QPSK	1	271	20.54	20.51	20.44			
100	QPSK	136	0	20.57	20.59	20.50	22.0	0.0	
100	QPSK	136	86	20.47	20.50	20.44	22.0	0.0	
100	QPSK	136	136	20.48	20.54	20.45	22.0	0.0	
100	QPSK	270	0	20.41	20.52	20.43			
100	ISACAM	1	1	20.49	20.55	20.44	22.0	0.0	
100	ISACAM	1	1	20.47	20.53	20.38	22.0	0.0	
100	ISACAM	1	1	20.43	20.53	20.40	22.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.44	20.52	20.45	22.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.49	20.52	20.39	22.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.44	20.59	20.39	22.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.54	20.54	20.43	22.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.54	20.51	20.35	22.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.53	20.55	20.38	22.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.58	20.53	20.48	22.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.56	20.52	20.48	22.0	0.0	

Part27Q n77 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)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PUS BPSK	1	1	20.72					
100	PUS BPSK	1	137	20.88			22.0	0.0	
100	PUS BPSK	1	271	20.62					
100	PUS BPSK	136	0	20.72			22.0	0.0	
100	PUS BPSK	136	86	20.68			22.0	0.0	
100	PUS BPSK	136	136	20.76			22.0	0.0	
100	PUS BPSK	270	0	20.61					
100	QPSK	1	1	20.76					
100	QPSK	1	137	20.72			22.0	0.0	
100	QPSK	1	271	20.65					
100	QPSK	136	0	20.61			22.0	0.0	
100	QPSK	136	86	20.61			22.0	0.0	
100	QPSK	136	136	20.76			22.0	0.0	
100	QPSK	270	0	20.68					
100	ISACAM	1	1	20.73			22.0	0.0	
100	ISACAM	1	1	20.29			21.5	0.5	
100	ISACAM	1	1	18.11			18.5	2.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.67	20.72	20.73	22.0	22.0	MFR
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.73	20.66	20.70	22.0	22.0	MFR
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.68	20.61	20.65	22.0	22.0	MFR
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.74	20.71	20.73	22.0	22.0	MFR
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.72	20.74	20.71	22.0	22.0	MFR
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.69	20.63	20.70	22.0	22.0	MFR
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.75	20.69	20.74	22.0	22.0	MFR
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.76	20.72	20.71	22.0	22.0	MFR

Part27Q n77 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)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PUS BPSK	1	1	20.72	20.72				
100	PUS BPSK	1	137	20.68	20.68		22.0	0.0	
100	PUS BPSK	1	153	20.68	20.68		22.0	0.0	
100	PUS BPSK	156	0	20.72	20.72	22.0	22.0	0.0	
100	PUS BPSK	156	136	20.68	20.68	22.0	22.0	0.0	
100	PUS BPSK	213	0	20.61	20.61	22.0	22.0	0.0	
100	PUS BPSK	213	136	20.68	20.68	22.0	22.0	0.0	
100	QPSK	1	137	20.72	20.72		22.0	0.0	
100	QPSK	1	153	20.68	20.68		22.0	0.0	
100	QPSK	156	0	20.61	20.61	22.0	22.0	0.0	
100	QPSK	156	136	20.70	20.70	22.0	22.0	0.0	
100	QPSK	213	0	20.68	20.68	22.0	22.0	0.0	
100	QPSK	213	136	20.68	20.68	22.0	22.0	0.0	
100	8QAM4Q	1	1	20.67	20.67	22.0	22.0	0.0	
100	8QAM4Q	1	1	20.67	20.67	22.0	22.0	0.0	
Channel									
				61500	61534	61584	Turn-up time	MFR	
50	QPSK	1	1	20.67	20.72	20.72	22.0	0.0	
50	QPSK	1	1	61500	61534	61550	22.0	0.0	
50	QPSK	1	1	61500	61534	61550	22.0	0.0	
50	QPSK	1	1	20.73	20.68	20.70	22.0	0.0	
50	QPSK	1	1	61500	61534	61550	22.0	0.0	
Frequency [MHz]									
50	QPSK	1	1	3446.0	3450.0	3451.0	22.0	0.0	
50	QPSK	1	1	20.68	20.68	20.68	22.0	0.0	
50	QPSK	1	1	20.68	20.68	20.68	22.0	0.0	
50	QPSK	1	1	20.74	20.74	20.71	22.0	0.0	
50	QPSK	1	1	20.72	20.74	20.71	22.0	0.0	
Frequency [MHz]									
50	QPSK	1	1	3445.0	3449.0	3450.0	22.0	0.0	
50	QPSK	1	1	20.68	20.68	20.68	22.0	0.0	
50	QPSK	1	1	20.68	20.68	20.68	22.0	0.0	
50	QPSK	1	1	20.74	20.74	20.74	22.0	0.0	
50	QPSK	1	1	20.74	20.68	20.71	22.0	0.0	
Channel									
				61562	61534	61500	Turn-up time	MFR	
50	QPSK	1	1	20.70	20.72	20.71	22.0	0.0	



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)	MPK (dB)
Channel								
Frequency [MHz]								
100	P12 BPSK	1	1	20.58	20.58	20.58		
100	P12 BPSK	1	137	20.44	20.44	20.44	22.0	0.0
100	P12 BPSK	1	271	20.54	20.54	20.54		
100	P12 BPSK	135	0	20.47	20.47	20.47	22.0	0.0
100	P12 BPSK	135	40	20.45	20.45	20.45	22.0	0.0
100	P12 BPSK	135	136	20.47	20.47	20.47	22.0	0.0
100	P12 BPSK	270	0	20.45	20.45	20.45	22.0	0.0
100	QPSK	1	1	20.51	20.51	20.51		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	1	271	20.50	20.50	20.50		
100	QPSK	135	0	20.47	20.47	20.47	22.0	0.0
100	QPSK	135	40	20.56	20.56	20.56	22.0	0.0
100	QPSK	135	136	20.51	20.51	20.51	22.0	0.0
100	QPSK	270	0	20.50	20.50	20.50	22.0	0.0
100	16QAM	1	1	20.53	20.53	20.53	22.0	0.0
100	16QAM	1	1	20.56	20.56	20.56	21.5	0.5
100	256QAM	1	1	11.34	11.34	11.34	21.0	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	20.50	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)	MPK (dB)
Channel								
Frequency [MHz]								
100	P12 BPSK	1	1	20.58	20.58	20.58		
100	P12 BPSK	1	137	20.44	20.44	20.44	22.0	0.0
100	P12 BPSK	1	271	20.54	20.54	20.54		
100	P12 BPSK	135	0	20.47	20.47	20.47	22.0	0.0
100	P12 BPSK	135	40	20.45	20.45	20.45	22.0	0.0
100	P12 BPSK	135	136	20.47	20.47	20.47	22.0	0.0
100	P12 BPSK	270	0	20.45	20.45	20.45	22.0	0.0
100	QPSK	1	1	20.51	20.51	20.51		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	1	271	20.50	20.50	20.50		
100	QPSK	135	0	20.47	20.47	20.47	22.0	0.0
100	QPSK	135	40	20.56	20.56	20.56	22.0	0.0
100	QPSK	135	136	20.51	20.51	20.51	22.0	0.0
100	QPSK	270	0	20.50	20.50	20.50	22.0	0.0
100	16QAM	1	1	20.53	20.53	20.53	22.0	0.0
100	16QAM	1	1	20.44	20.44	20.44	22.0	0.0
100	256QAM	1	1	11.34	11.34	11.34	22.0	0.0
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	20.44	20.48	20.53	22.0	0.0
Channel								
Frequency [MHz]								
50	QPSK	1	1	20.45	20.50	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

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)	MPK (dB)
Channel								
Frequency [MHz]								
100	P12 BPSK	1	1	20.65	20.65	20.65		
100	P12 BPSK	1	137	20.52	20.52	20.52	22.0	0.0
100	P12 BPSK	1	271	20.64	20.64	20.64		
100	P12 BPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	P12 BPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	P12 BPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	P12 BPSK	270	0	20.52	20.52	20.52	22.0	0.0
Channel								
Frequency [MHz]								
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	1	271	20.60	20.60	20.60		
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.64	20.64	20.64	22.0	0.0
100	QPSK	135	136	20.60	20.60	20.60	22.0	0.0
100	QPSK	270	0	20.59	20.59	20.59	22.0	0.0
100	16QAM	1	1	20.29	20.29	20.29	21.5	0.5
100	256QAM	1	1	11.16	11.16	11.16	21.5	2.5
Channel								
Frequency [MHz]								
50	QPSK	1	1	20.53	20.54	20.54	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	20.54	20.56	20.64	22.0	0.0
Channel								
Frequency [MHz]								
40	QPSK	1	1	20.54	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

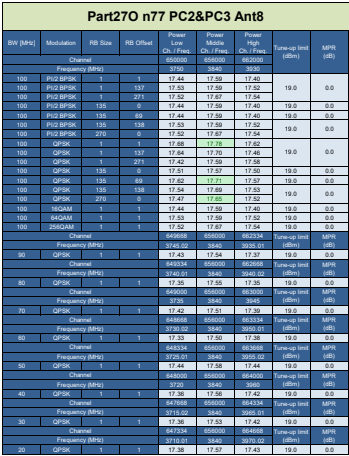
Part27Q n78 PC2 Ant8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. @50000]	Power Media Ch. 1 [Frac. @50000]	Power High Ch. 1 [Frac. @50000]	Turn-up time (dBm)	MPK (dB)
Channel								
Frequency [MHz]								
100	P12 BPSK	1	1	20.65	20.65	20.65		
100	P12 BPSK	1	137	20.52	20.52	20.52	22.0	0.0
100	P12 BPSK	1	271	20.64	20.64	20.64		
100	P12 BPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	P12 BPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	P12 BPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	P12 BPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	Q							
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	0	20.62	20.62	20.62	22.0	0.0
100	QPSK	135	40	20.60	20.60	20.60	22.0	0.0
100	QPSK	135	136	20.64	20.64	20.64	22.0	0.0
100	QPSK	270	0	20.52	20.52	20.52	22.0	0.0
100	QPSK	1	1	20.60	20.60	20.60		
100	QPSK	1	137	20.58	20.58	20.58		



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	PI/2 BPSK	1	1	16.91	17.06	17.01			
20	PI/2 BPSK	1	53	16.96	16.98	16.89	18.5	0.0	
20	PI/2 BPSK	1	104	16.98	17.00	16.93			
20	PI/2 BPSK	50	0	16.87	17.05	17.04			
20	PI/2 BPSK	50	28	17.03	16.98	16.90	18.5	0.0	
20	PI/2 BPSK	50	56	16.99	17.05	16.93	18.5	0.0	
20	PI/2 BPSK	100	0	17.02	16.98	16.94			
20	QPSK	1	1	16.90	17.13	17.08			
20	QPSK	1	53	16.95	17.05	16.96	18.5	0.0	
20	QPSK	1	104	17.00	17.03	16.90			
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 (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	18.5	0.0	
15	QPSK	1	1	16.98	17.04	16.87			
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	18.5	0.0	
10	QPSK	1	1	17.01	17.07	16.87			
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	18.5	0.0	
5	QPSK	1	1	17.03	17.03	16.85			

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	PI/2 BPSK	1	1	17.11	17.14	17.17			
40	PI/2 BPSK	1	108	16.95	17.15	16.93	18.5	0.0	
40	PI/2 BPSK	1	214	17.08	17.10	17.10			
40	PI/2 BPSK	108	0	16.93	17.16	16.89			
40	PI/2 BPSK	108	54	17.14	17.11	17.15	18.5	0.0	
40	PI/2 BPSK	108	108	16.93	17.07	16.92	18.5	0.0	
40	PI/2 BPSK	216	0	16.93	17.09	16.99			
40	QPSK	1	1	17.14	17.18	17.13			
40	QPSK	1	108	17.01	17.10	16.98	18.5	0.0	
40	QPSK	1	214	16.98	17.07	16.98			
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 (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900	18.5	0.0	
30	QPSK	1	1	17.00	17.10	16.90			
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905	18.5	0.0	
20	QPSK	1	1	16.98	17.08	16.91			
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	18.5	0.0	
15	QPSK	1	1	16.99	17.11	16.95			
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910	18.5	0.0	
10	QPSK	1	1	17.01	17.09	16.97			
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5	18.5	0.0	
5	QPSK	1	1	16.96	17.09	16.91			



Part27Q n77 PC2&PC3 Ant8							
Bit (MHz)	Modulation	RS Size	RS Offset	Time Freq. (MHz)	Code Rate	High. Freq. (MHz)	Power Spectral Density (dBm)
Channel							
150	PC2	150	0	833333	0.001		
150	PC2	150	1	17.00	0.1		
150	PC2	150	2	17.00	0.05	16.0	0.0
150	PC2	150	3	17.00	0.025	16.0	0.0
150	PC2	150	4	17.00	0.0125	16.0	0.0
150	PC2	150	5	17.00	0.00625	16.0	0.0
150	PC2	150	6	17.00	0.003125	16.0	0.0
150	PC2	150	7	17.00	0.0015625	16.0	0.0
150	PC2	150	8	17.00	0.00078125	16.0	0.0
150	PC2	150	9	17.00	0.000390625	16.0	0.0
150	PC2	150	10	17.00	0.0001953125	16.0	0.0
150	PC2	150	11	17.00	9.76E-05	16.0	0.0
150	PC2	150	12	17.00	4.88E-05	16.0	0.0
150	PC2	150	13	17.00	2.44E-05	16.0	0.0
150	PC2	150	14	17.00	1.22E-05	16.0	0.0
150	PC2	150	15	17.00	6.10E-06	16.0	0.0
150	PC2	150	16	17.00	3.05E-06	16.0	0.0
150	PC2	150	17	17.00	1.52E-06	16.0	0.0
150	PC2	150	18	17.00	7.61E-07	16.0	0.0
150	PC2	150	19	17.00	3.80E-07	16.0	0.0
150	PC2	150	20	17.00	1.90E-07	16.0	0.0
150	PC2	150	21	17.00	9.50E-08	16.0	0.0
150	PC2	150	22	17.00	4.75E-08	16.0	0.0
150	PC2	150	23	17.00	2.37E-08	16.0	0.0
150	PC2	150	24	17.00	1.19E-08	16.0	0.0
150	PC2	150	25	17.00	5.95E-09	16.0	0.0
150	PC2	150	26	17.00	2.97E-09	16.0	0.0
150	PC2	150	27	17.00	1.49E-09	16.0	0.0
150	PC2	150	28	17.00	7.45E-10	16.0	0.0
150	PC2	150	29	17.00	3.72E-10	16.0	0.0
150	PC2	150	30	17.00	1.86E-10	16.0	0.0
150	PC2	150	31	17.00	9.30E-11	16.0	0.0
150	PC2	150	32	17.00	4.65E-11	16.0	0.0
150	PC2	150	33	17.00	2.32E-11	16.0	0.0
150	PC2	150	34	17.00	1.16E-11	16.0	0.0
150	PC2	150	35	17.00	5.80E-12	16.0	0.0
150	PC2	150	36	17.00	2.90E-12	16.0	0.0
150	PC2	150	37	17.00	1.45E-12	16.0	0.0
150	PC2	150	38	17.00	7.25E-13	16.0	0.0
150	PC2	150	39	17.00	3.62E-13	16.0	0.0
150	PC2	150	40	17.00	1.81E-13	16.0	0.0
150	PC2	150	41	17.00	9.05E-14	16.0	0.0
150	PC2	150	42	17.00	4.52E-14	16.0	0.0
150	PC2	150	43	17.00	2.26E-14	16.0	0.0
150	PC2	150	44	17.00	1.13E-14	16.0	0.0
150	PC2	150	45	17.00	5.65E-15	16.0	0.0
150	PC2	150	46	17.00	2.82E-15	16.0	0.0
150	PC2	150	47	17.00	1.41E-15	16.0	0.0
150	PC2	150	48	17.00	7.05E-16	16.0	0.0
150	PC2	150	49	17.00	3.52E-16	16.0	0.0
150	PC2	150	50	17.00	1.76E-16	16.0	0.0
150	PC2	150	51	17.00	8.80E-17	16.0	0.0
150	PC2	150	52	17.00	4.40E-17	16.0	0.0
150	PC2	150	53	17.00	2.20E-17	16.0	0.0
150	PC2	150	54	17.00	1.10E-17	16.0	0.0
150	PC2	150	55	17.00	5.50E-18	16.0	0.0
150	PC2	150	56	17.00	2.75E-18	16.0	0.0
150	PC2	150	57	17.00	1.37E-18	16.0	0.0
150	PC2	150	58	17.00	6.85E-19	16.0	0.0
150	PC2	150	59	17.00	3.42E-19	16.0	0.0
150	PC2	150	60	17.00	1.71E-19	16.0	0.0
150	PC2	150	61	17.00	8.55E-20	16.0	0.0
150	PC2	150	62	17.00	4.27E-20	16.0	0.0
150	PC2	150	63	17.00	2.14E-20	16.0	0.0
150	PC2	150	64	17.00	1.07E-20	16.0	0.0
150	PC2	150	65	17.00	5.35E-21	16.0	0.0
150	PC2	150	66	17.00	2.67E-21	16.0	0.0
150	PC2	150	67	17.00	1.34E-21	16.0	0.0
150	PC2	150	68	17.00	6.69E-22	16.0	0.0
150	PC2	150	69	17.00	3.34E-22	16.0	0.0
150	PC2	150	70	17.00	1.67E-22	16.0	0.0
150	PC2	150	71	17.00	8.35E-23	16.0	0.0
150	PC2	150	72	17.00	4.17E-23	16.0	0.0
150	PC2	150	73	17.00	2.09E-23	16.0	0.0
150	PC2	150	74	17.00	1.04E-23	16.0	0.0
150	PC2	150	75	17.00	5.20E-24	16.0	0.0
150	PC2	150	76	17.00	2.60E-24	16.0	0.0
150	PC2	150	77	17.00	1.30E-24	16.0	0.0
150	PC2	150	78	17.00	6.50E-25	16.0	0.0
150	PC2	150	79	17.00	3.25E-25	16.0	0.0
150	PC2	150	80	17.00	1.62E-25	16.0	0.0
150	PC2	150	81	17.00	8.10E-26	16.0	0.0
150	PC2	150	82	17.00	4.05E-26	16.0	0.0
150	PC2	150	83	17.00	2.02E-26	16.0	0.0
150	PC2	150	84	17.00	1.01E-26	16.0	0.0
150	PC2	150	85	17.00	5.05E-27	16.0	0.0
150	PC2	150	86	17.00	2.52E-27	16.0	0.0
150	PC2	150	87	17.00	1.26E-27	16.0	0.0
150	PC2	150	88	17.00	6.30E-28	16.0	0.0
150	PC2	150	89	17.00	3.15E-28	16.0	0.0
150	PC2	150	90	17.00	1.57E-28	16.0	0.0
150	PC2	150	91	17.00	7.85E-29	16.0	0.0
150	PC2	150	92	17.00	3.92E-29	16.0	0.0
150	PC2	150	93	17.00	1.96E-29	16.0	0.0
150	PC2	150	94	17.00	9.80E-30	16.0	0.0
150	PC2	150	95	17.00	4.90E-30	16.0	0.0
150	PC2	150	96	17.00	2.45E-30	16.0	0.0
150	PC2	150	97	17.00	1.22E-30	16.0	0.0
150	PC2	150	98	17.00	6.10E-31	16.0	0.0
150	PC2	150	99	17.00	3.05E-31	16.0	0.0
150	PC2	150	100	17.00	1.52E-31	16.0	0.0
150	PC2	150	101	17.00	7.61E-32	16.0	0.0
150	PC2	150	102	17.00	3.80E-32	16.0	0.0
150	PC2	150	103	17.00	1.90E-32	16.0	0.0
150	PC2	150	104	17.00	9.50E-33	16.0	0.0
150	PC2	150	105	17.00	4.75E-33	16.0	0.0
150	PC2	150	106	17.00	2.37E-33	16.0	0.0
150	PC2	150	107	17.00	1.19E-33	16.0	0.0
150	PC2	150	108	17.00	5.95E-34	16.0	0.0
150	PC2	150	109	17.00	2.97E-34	16.0	0.0
150	PC2	150	110	17.00	1.49E-34	16.0	0.0
150	PC2	150	111	17.00	7.45E-35	16.0	0.0
150	PC2	150	112	17.00	3.72E-35	16.0	0.0
150	PC2	150	113	17.00	1.86E-35	16.0	0.0
150	PC2	150	114	17.00	9.30E-36	16.0	0.0
150	PC2	150	115	17.00	4.65E-36	16.0	0.0
150	PC2	150	116	17.00	2.32E-36	16.0	0.0
150	PC2	150	117	17.00	1.16E-36	16.0	0.0
150	PC2	150	118	17.00	5.80E-37	16.0	0.0
150	PC2	150	119	17.00	2.90E-37	16.0	0.0
150	PC2	150	120	17.00	1.45E-37	16.0	0.0
150	PC2	150	121	17.00	7.25E-38	16.0	0.0
150	PC2	150	122	17.00	3.62E-38	16.0	0.0
150	PC2	150	123	17.00	1.81E-38	16.0	0.0
150	PC2	150	124	17.00	9.05E-39	16.0	0.0
150	PC2	150	125	17.00	4.52E-39	16.0	0.0
150	PC2	150	126	17.00	2.26E-39	16.0	0.0
150	PC2	150	127	17.00	1.13E-39	16.0	0.0
150	PC2	150	128	17.00	5.65E-40	16.0	0.0
150	PC2	150	129	17.00	2.82E-40	16.0	0.0
150	PC2	150	130	17.00	1.41E-40	16.0	0.0
150	PC2	150	131	17.00	7.05E-41	16.0	0.0
150	PC2	150	132	17.00	3.52E-41	16.0	0.0
150	PC2	150	133	17.00	1.76E-41	16.0	0.0
150	PC2	150	134	17.00	8.80E-42	16.0	0.0
150	PC2	150	135	17.00	4.40E-42	16.0	0.0
150	PC2	150	136	17.00	2.20E-42	16.0	0.0
150	PC2	150	137	17.00	1.10E-42	16.0	0.0
150	PC2	150	138	17.00	5.50E-43	16.0	0.0
150	PC2	150	139	17.00	2.75E-43	16.0	0.0
150	PC2	150	140	17.00	1.37E-43	16.0	0.0
150	PC2	150	141	17.00	6.85E-44	16.0	0.0
150	PC2	150	142	17.00	3.42E-44	16.0	0.0
150	PC2	150	143	17.00	1.71E-44	16.0	0.0
150	PC2	150	144	17.00	8.55E-45	16.0	0.0
150	PC2	150	145	17.00	4.27E-45	16.0	0.0
150	PC2	150	146	17.00	2.14E-45	16.0	0.0
150	PC2	150	147	17.00	1.07E-45	16.0	0.0
150	PC2	150	148	17.00	5.35E-46	16.0	0.0
150	PC2	150	149	17.00	2.67E-46	16.0	0.0
150	PC2	150	150	17.00	1.34E-46	16.0	0.0
150	PC2	150	151	17.00	6.69E-47	16.0	0.0
150	PC2	150	152	17.00	3.34E-47	16.0	0.0
150	PC2	150	153	17.00	1.67E-47	16.0	0.0
150	PC2	150	154	17.00	8.35E-48	16.0	0.0
150	PC2	150	155	17.00	4.17E-48	16.0	0.0
150	PC2	150	156	17.00	2.09E-48	16.0	0.0
150	PC2	150	157	17.00	1.04E-48	16.0	0.0
150	PC2	150	158	17.00	5.20E-49	16.0	0.0
150	PC2	150	159	17.00	2.60E-49	16.0	0.0
150	PC2	150	160	17.00	1.30E-49	16.0	0.0
150	PC2	150	161	17.00	6.50E-50	16.0	0.0
150	PC2	150	162	17.00	3.25E-50	16.0	0.0
150	PC2	150	163	17.00	1.62E-50	16.0	0.0
150	PC2	150	164	17.00	8.10E-51	16.0	0.0
150	PC2	150					

[illegible]

Part27Q n78 PC2&PC3 Ant8							
RF MHz	Modulation	RF Band	RF Out	Power [dBm] [dBm/Ch]	Mod. Rate [kbps]	Mod. Type	SPR [dB]
Channel B33534							
150	Frequency Mod.	1	1	17.50	12.00	-	-
150	PC2-BPSK	1	1397	17.50	17.50	12.00	0.0
150	PC3-BPSK	1	221	17.50	17.50	12.00	0.0
150	PC2-BPSK	156	0	17.50	17.50	12.00	0.0
150	PC3-BPSK	156	1397	17.50	17.50	12.00	0.0
150	PC2-BPSK	221	0	17.50	17.50	12.00	0.0
150	PC3-BPSK	221	1397	17.50	17.50	12.00	0.0
150	GPSS	1	1397	17.50	17.50	12.00	0.0
150	GPSS	1	221	17.50	17.50	12.00	0.0
150	GPSS	156	0	17.50	17.50	12.00	0.0
150	GPSS	156	1397	17.50	17.50	12.00	0.0
150	GPSS	221	0	17.50	17.50	12.00	0.0
150	GPSS	221	1397	17.50	17.50	12.00	0.0
150	SSA404	1	1	17.50	17.50	12.00	0.0
150	SSA404	1	1	17.50	17.50	12.00	0.0
Channel B33536							
150	Frequency Mod.	1	1	17.50	12.00	-	-
150	PC2-BPSK	1	1397	17.50	17.50	12.00	0.0
150	PC3-BPSK	1	221	17.50	17.50	12.00	0.0
150	PC2-BPSK	156	0	17.50	17.50	12.00	0.0
150	PC3-BPSK	156	1397	17.50	17.50	12.00	0.0
150	PC2-BPSK	221	0	17.50	17.50	12.00	0.0
150	PC3-BPSK	221	1397	17.50	17.50	12.00	0.0
150	GPSS	1	1397	17.50	17.50	12.00	0.0
150	GPSS	1	221	17.50	17.50	12.00	0.0
150	GPSS	156	0	17.50	17.50	12.00	0.0
150	GPSS	156	1397	17.50	17.50	12.00	0.0
150	GPSS	221	0	17.50	17.50	12.00	0.0
150	GPSS	221	1397	17.50	17.50	12.00	0.0
150	SSA404	1	1	17.50	17.50	12.00	0.0
150	SSA404	1	1	17.50	17.50	12.00	0.0
Channel B33538							
150	Frequency Mod.	1	1	17.50	12.00	-	-
150	PC2-BPSK	1	1397	17.50	17.50	12.00	0.0
150	PC3-BPSK	1	221	17.50	17.50	12.00	0.0
150	PC2-BPSK	156	0	17.50	17.50	12.00	0.0
150	PC3-BPSK	156	1397	17.50	17.50	12.00	0.0
150	PC2-BPSK	221	0	17.50	17.50	12.00	0.0
150	PC3-BPSK	221	1397	17.50	17.50	12.00	0.0
150	GPSS	1	1397	17.50	17.50	12.00	0.0
150	GPSS	1	221	17.50	17.50	12.00	0.0
150	GPSS	156	0	17.50	17.50	12.00	0.0
150	GPSS	156	1397	17.50	17.50	12.00	0.0
150	GPSS	221	0	17.50	17.50	12.00	0.0
150	GPSS	221	1397	17.50	17.50	12.00	0.0
150	SSA404	1	1	17.50	17.50	12.00	0.0
150	SSA404	1	1	17.50	17.50	12.00	0.0
Channel B33540							
150	Frequency Mod.	1	1	17.50	12.00	-	-
150	PC2-B						

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	529998	21.5	0.0
Frequency (MHz)				2546.01	2592.99	2649		
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				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



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	135	0	20.08	20.17	20.00	21.0	0.0	
100	PUSC BPSK	135	86	20.00	20.10	19.90	21.0	0.0	
100	PUSC BPSK	135	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	19.84	20.17	20.00	21.0	0.0	
100	QPSK	1	271	19.75	19.85	19.80			
100	QPSK	135	0	20.00	20.18	20.00	21.0	0.0	
100	QPSK	135	86	20.00	20.10	19.90	21.0	0.0	
100	QPSK	135	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	8QAM	1	1	20.06	20.17	20.01	21.0	0.0	
100	8QAM	1	1	20.08	20.14	20.08	21.0	0.0	
100	8QAM	1	1	19.70	19.77	19.70	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	135	0	20.00	20.17	20.00	21.0	0.0	
100	PUSC BPSK	135	86	20.00	20.10	19.90	21.0	0.0	
100	PUSC BPSK	135	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	19.84	20.17	20.00	21.0	0.0	
100	QPSK	1	271	19.75	19.85	19.80			
100	QPSK	135	0	20.00	20.18	20.00	21.0	0.0	
100	QPSK	135	86	20.00	20.10	19.90	21.0	0.0	
100	QPSK	135	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	8QAM	1	1	20.06	20.17	20.01	21.0	0.0	
100	8QAM	1	1	20.08	20.14	20.08	21.0	0.0	
100	8QAM	1	1	19.70	19.77	19.70	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	135	0	20.28		20.28	21.0	0.0	
100	PUSC BPSK	135	86	20.20		20.20	21.0	0.0	
100	PUSC BPSK	135	136	20.16		20.16	21.0	0.0	
100	PUSC BPSK	270	0	20.23		20.23			
100	QPSK	1	1	20.20		20.20			
100	QPSK	1	137	20.29		20.29	21.0	0.0	
100	QPSK	1	271	20.20		20.20			
100	QPSK	135	0	20.32		20.32	21.0	0.0	
100	QPSK	135	86	20.24		20.24	21.0	0.0	
100	QPSK	135	136	20.24		20.24	21.0	0.0	
100	QPSK	270	0	20.26		20.26	21.0	0.0	
100	8QAM	1	1	20.28		20.28	21.0	0.0	
100	8QAM	1	1	19.97		19.97	19.0	1.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.24	20.24	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	20.19	20.25	20.18	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]					81500	81534	81568			
50	PB-SSB	1	1	20,24	20,29	20,31	21,0	0,0		
50	PB-BPSK	1	1	20,24	20,29	20,31				
50	PB-QPSK	1	1	20,24	20,29	20,31				
50	PB-BPSK	156	0	20,28	20,33	20,35				
50	PB-QPSK	156	0	20,28	20,33	20,35	21,0	0,0		
50	PB-BPSK	156	156	20,32	20,37	20,39				
50	PB-QPSK	156	156	20,32	20,37	20,39				
50	PB-BPSK	2112	0	20,23	20,28	20,30				
50	QPSK	1	1	20,24	20,29	20,31	21,0	0,0		
50	QPSK	1	1	20,24	20,29	20,31				
50	QPSK	156	0	20,32	20,37	20,39				
50	QPSK	156	156	20,32	20,37	20,39				
50	QPSK	2112	0	20,20	20,25	20,27	21,0	0,0		
50	QPSK	2112	0	20,20	20,25	20,27				
50	QPSK	2112	0	20,20	20,25	20,27				
50	QPSK	2112	0	20,20	20,25	20,27				
50	SSB	1	1	20,24	20,29	20,31	21,0	0,0		
50	SSB	1	1	20,24	20,29	20,31				
50	SSB	156	0	20,32	20,37	20,39				
50	SSB	156	156	20,32	20,37	20,39				
Channel										
Frequency [MHz]					81500	81534	81568	Turn-up time (dBm)	MPE	
50	QPSK	1	1	20,24	20,29	20,31	21,0	0,0		
50	QPSK	1	1	20,24	20,29	20,31				
50	QPSK	156	0	20,32	20,37	20,39				
50	QPSK	156	156	20,32	20,37	20,39				
50	QPSK	1	1	20,24	20,29	20,31	21,0	0,0		
50	QPSK	1	1	20,24	20,29	20,31				
50	QPSK	156	0	20,32	20,37	20,39				
50	QPSK	156	156	20,32	20,37	20,39				
Channel										
Frequency [MHz]					81568	81534	81500	Turn-up time (dBm)	MPE	
50	QPSK	1	1	20,24	20,29	20,31	21,0	0,0		
50	QPSK	1	1	20,24	20,29	20,31				
50	QPSK	156	0	20,32	20,37	20,39				
50	QPSK	156	156	20,32	20,37	20,39				
50	QPSK	1	1	20,24	20,29	20,31	21,0	0,0		
50	QPSK	1	1	20,24	20,29	20,31				
50	QPSK	156	0	20,32	20,37	20,39				
50	QPSK	156	156	20,32	20,37	20,39				
Channel										
Frequency [MHz]					81568	81534	81500	Turn-up time (dBm)	MPE	
50	QPSK	1	1	20,24	20,29	20,31	21,0	0,0		
50	QPSK	1	1	20,24	20,29	20,31				
50	QPSK	156	0	20,32	20,37	20,39				
50	QPSK	156	156	20,32	20,37	20,39				
50	QPSK	1	1	20,24	20,29	20,31	21,0	0,0		
50	QPSK	1	1	20,24	20,29	20,31				
50	QPSK	156	0	20,32	20,37	20,39				
50	QPSK	156	156	20,32	20,37	20,39				
Channel										
Frequency [MHz]					81568	81534	81500	Turn-up time (dBm)	MPE	
50	QPSK	1	1	20,24	20,29	20,31	21,0	0,0		
50	QPSK	1	1	20,24	20,29	20,31				
50	QPSK	156	0	20,32	20,37	20,39				
50	QPSK	156	156	20,32	20,37	20,39				
50	QPSK	1	1	20,24	20,29	20,31	21,0	0,0		
50	QPSK	1	1	20,24	20,29	20,31				
50	QPSK	156	0	20,32	20,37	20,39				
50	QPSK	156	156	20,32	20,37	20,39				
Channel										
Frequency [MHz]					81568	81534	81500	Turn-up time (dBm)	MPE	
50	QPSK	1	1	20,24	20,29	20,31	21,0	0,0		
50	QPSK	1	1	20,24	20,29	20,31				
50	QPSK	156	0	20,32	20,37	20,39				
50	QPSK	156	156	20,32	20,37	20,39				
50	QPSK	1	1	20,24	20,29	20,31	21,0	0,0		
50	QPSK	1	1	20,24	20,29	20,31				
50	QPSK	156	0	20,32	20,37	20,39				
50	QPSK	156	156	20,32	20,37	20,39				
Channel										
Frequency [MHz]					81568	81534	81500	Turn-up time (dBm)	MPE	
50	QPSK	1	1	20,24	20,29	20,31	21,0	0,0		
50	QPSK	1	1	20,24	20,29	20,31				
50	QPSK	156	0	20,32	20,37	20,39				
50	QPSK	156	156	20,32	20,37	20,39				



Part270 n78 Ant7 PC3 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. @50000]	Power Max Ch. 1 [Frac. @50000]	Power High Ch. 1 [Frac. @50000]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PUSC BPSK	1	1	20.08					
100	PUSC BPSK	1	137	20.07			21.0	0.0	
100	PUSC BPSK	1	271	20.09					
100	PUSC BPSK	135	0	20.08			21.0	0.0	
100	PUSC BPSK	135	40	20.09			21.0	0.0	
100	PUSC BPSK	135	136	20.08			21.0	0.0	
100	PUSC BPSK	270	0	20.07					
100	QPSK	1	1	20.17					
100	QPSK	1	137	20.19			21.0	0.0	
100	QPSK	1	271	20.09					
100	QPSK	135	0	20.04			21.0	0.0	
100	QPSK	135	40	20.04			21.0	0.0	
100	QPSK	135	136	20.19			21.0	0.0	
100	QPSK	270	0	20.07					
100	8QAM	1	1	20.15			21.0	0.0	
100	8QAM	1	1	20.11			21.0	0.0	
100	256QAM	1	1	18.46			19.0	1.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	19.84	19.99	19.99	21.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	19.80	19.99	19.92	21.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	19.85	20.06	19.95	21.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	19.80	20.09	20.02	21.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	19.85	20.02	19.95	21.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	19.80	20.08	20.02	21.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	19.80	20.05	19.96	21.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.80	19.96	20.00	21.0	0.0	

Part270 n78 PC2 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low 50000	Power Max 50000	Power High 50000	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PUSC BPSK	1	1	20.08					
100	PUSC BPSK	1	137	20.07			21.0	0.0	
100	PUSC BPSK	1	271	20.09					
100	PUSC BPSK	135	0	20.08			21.0	0.0	
100	PUSC BPSK	135	40	20.09			21.0	0.0	
100	PUSC BPSK	135	136	20.08			21.0	0.0	
100	PUSC BPSK	270	0	20.07					
100	QPSK	1	1	20.17					
100	QPSK	1	137	20.13			21.0	0.0	
100	QPSK	1	271	20.09					
100	QPSK	135	0	20.04			21.0	0.0	
100	QPSK	135	40	20.04			21.0	0.0	
100	QPSK	135	136	20.19			21.0	0.0	
100	QPSK	270	0	20.07					
100	8QAM	1	1	20.15			21.0	0.0	
100	8QAM	1	1	20.11			21.0	0.0	
100	256QAM	1	1	18.46			21.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	19.84	19.99	19.90	21.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	19.80	19.99	19.90	21.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	19.85	20.06	19.95	21.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	19.80	20.02	19.95	21.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	19.85	20.02	19.95	21.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	19.80	20.08	20.00	21.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	19.80	20.05	19.95	21.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.80	19.98	20.00	21.0	0.0	

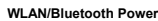
Part27Q n78 Ant7 PC3 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. @50000]	Power Max Ch. 1 [Frac. @50000]	Power High Ch. 1 [Frac. @50000]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PUSC BPSK	1	1	20.33					
100	PUSC BPSK	1	137	20.15			21.0	0.0	
100	PUSC BPSK	1	271	19.95					
100	PUSC BPSK	135	0	20.30			21.0	0.0	
100	PUSC BPSK	135	40	20.07			21.0	0.0	
100	PUSC BPSK	135	136	20.19			21.0	0.0	
100	PUSC BPSK	270	0	20.20					
100	QPSK	1	1	20.25					
100	QPSK	1	137	20.16			21.0	0.0	
100	QPSK	1	271	19.90					
100	QPSK	135	0	20.26			21.0	0.0	
100	QPSK	135	40	20.06			21.0	0.0	
100	QPSK	135	136	20.22			21.0	0.0	
100	QPSK	270	0	20.24					
100	8QAM	1	1	20.20			21.0	0.0	
100	8QAM	1	1	20.20			21.0	0.0	
100	256QAM	1	1	18.46			19.5	1.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.24	20.24	20.20	21.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.22	20.35	20.30	21.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.20	20.29	20.25	21.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.24	20.30	20.28	21.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.23	20.25	20.20	21.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.19	20.25	20.31	21.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.23	20.29	20.30	21.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.24	20.30	20.27	21.0	0.0	

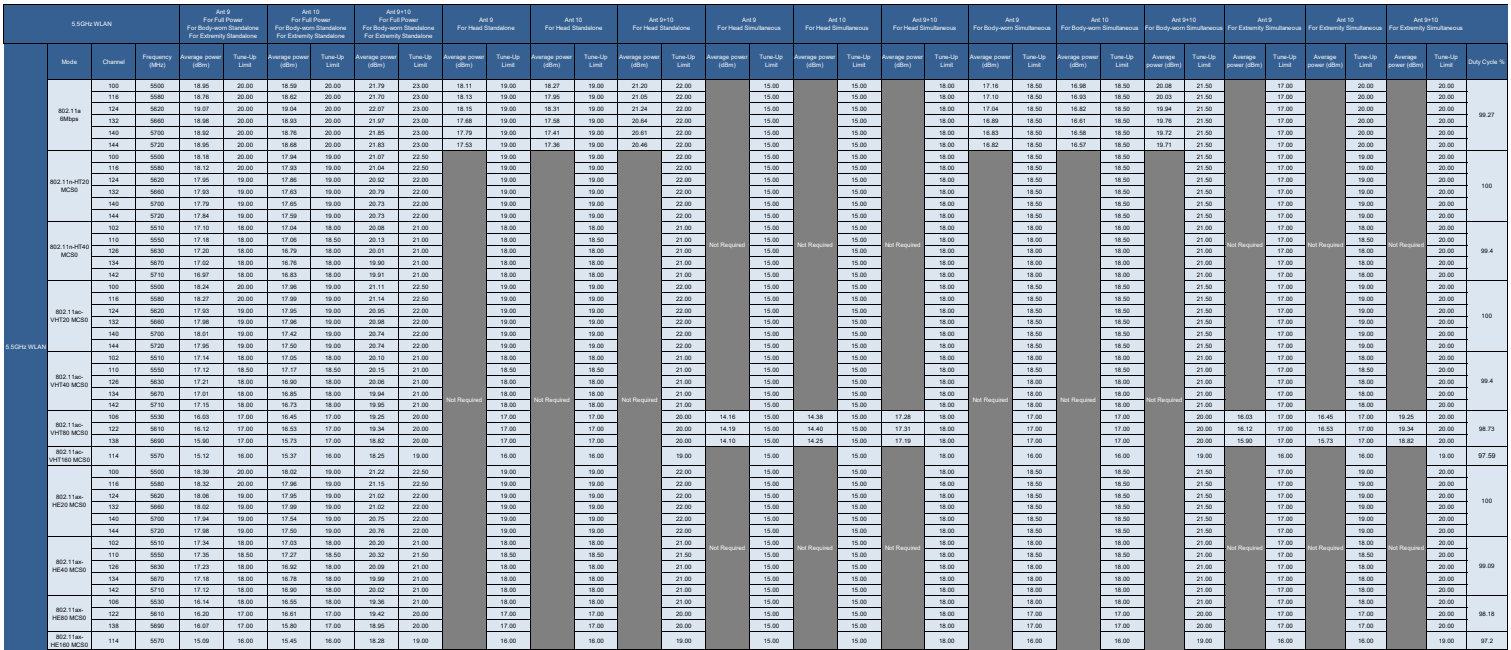
Part270Q n78 PC2 Ant7_UL MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac. @50000]	Power Max Ch. 1 [Frac. @50000]	Power High Ch. 1 [Frac. @50000]	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PUSC BPSK	1	1	20.31					
100	PUSC BPSK	1	137	20.15			21.0	0.0	
100	PUSC BPSK	1	271	19.95					
100	PUSC BPSK	135	0	20.30			21.0	0.0	
100	PUSC BPSK	135	40	20.07			21.0	0.0	
100	PUSC BPSK	135	136	20.19			21.0	0.0	
100	PUSC BPSK	270	0	20.30			21.0	0.0	
100	QPSK	1	1	20.40					
100	QPSK	1	137	20.16			21.0	0.0	
100	QPSK	1	271	19.93					
100	QPSK	135	0	20.32			21.0	0.0	
100	QPSK	135	40	20.09			21.0	0.0	
100	QPSK	135	136	20.22			21.0	0.0	
100	QPSK	270	0	20.24					
100	SCDMA	1	1	20.30					
100	SCDMA	1	1	20.30			21.0	0.0	
100	SCDMA	1	1	20.30			21.0	0.0	
Channel									
				815060	815334	815688	Turn-up time	MPS	
50	QPSK	1	1	20.34	20.26	20.28	20.30	0.0	
Channel									
				815060	815334	815650	Turn-up time	MPS	
50	Frequency Modulation	1	1	20.34	20.26	20.28	20.30	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22	20.30	21.0	0.0	
50	QPSK	1	1	20.22	20.22				



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	529998	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	

[illegible]

[illegible]

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