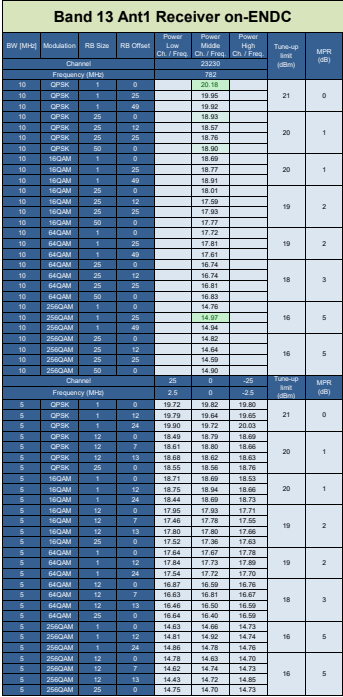




Band 2 Ant1 Receiver on-ENDC

BW (MHz)	Modulation	RIS Size	RIS Offset	Power Ch / Freq	Power Hsp / Freq	Power Ch / Freq	Turn-up Time (sec)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	12.75	12.85	12.80		
20	QPSK	1	49	12.88	12.88	12.88		
20	QPSK	1	99	12.61	12.70	12.72		14
20	QPSK	50	0	11.81	11.80	11.74		
20	QPSK	50	24	11.83	11.83	11.62		
20	QPSK	50	99	11.81	11.80	11.76		13
20	QPSK	100	0	11.71	11.69	11.66		
20	QPSK	100	1	11.71	11.69	11.75		
20	QPSK	100	49	11.74	11.66	11.65		
20	QPSK	50	50	10.81	10.83	10.71		12
20	QPSK	50	99	10.82	11.00	10.71		2
20	QPSK	100	0	10.85	10.80	10.80		
20	QPSK	100	49	10.80	10.80	10.85		12
20	QPSK	100	99	10.74	10.80	10.85		
20	QPSK	50	0	9.71	10.83	10.74		
20	QPSK	50	49	9.85	10.86	10.86		
20	QPSK	50	99	9.81	10.83	10.71		12
20	QPSK	100	0	8.85	10.07	10.02		
20	QPSK	100	49	8.85	10.07	10.02		12
20	QPSK	100	99	8.74	10.06	10.01		
20	QPSK	50	24	8.89	9.00	9.76		
20	QPSK	50	99	8.73	8.93	8.88		
20	QPSK	100	0	7.85	8.87	8.87		9
20	QPSK	100	49	7.82	8.86	8.84		
20	QPSK	100	99	7.99	8.81	8.82		9
20	QPSK	50	50	7.95	8.05	8.01		
20	QPSK	50	100	8.04	7.98	8.00		
Channel								
Frequency (MHz)								
15	QPSK	1	0	12.68	12.62	12.72		
15	QPSK	1	37	12.64	12.61	12.69		14
15	QPSK	1	73	12.44	12.66	12.66		
15	QPSK	50	0	11.73	11.63	11.60		
15	QPSK	50	24	11.68	11.69	11.62		
15	QPSK	50	99	11.53	11.77	11.63		13
15	QPSK	100	0	11.72	11.67	11.58		
15	QPSK	100	49	11.62	11.60	11.67		
15	QPSK	100	99	11.57	11.79	11.64		13
15	QPSK	50	50	10.57	10.57	10.57		
15	QPSK	50	99	10.58	10.58	10.58		12
15	QPSK	100	0	10.58	10.58	10.51		
15	QPSK	100	49	10.57	10.58	10.51		12
15	QPSK	100	99	10.57	10.57	10.56		
15	QPSK	50	0	9.72	9.86	9.68		
15	QPSK	50	49	9.81	9.83	9.65		11
15	QPSK	50	99	9.52	9.52	9.51		
15	QPSK	50	100	9.64	9.78	9.63		
15	QPSK	100	0	8.85	8.85	8.67		
15	QPSK	100	49	7.98	8.01	8.00		9
15	QPSK	100	99	8.01	8.00	8.07		
15	QPSK	100	100	8.06	7.95	8.00		
15	QPSK	50	50	7.95	7.95	8.10		9
15	QPSK	50	99	8.02	7.96	8.08		
15	QPSK	50	100	8.03	8.01	8.07		
Channel								
Frequency (MHz)								
10	QPSK	1	0	12.72	12.85	12.78		
10	QPSK	1	25	12.58	12.79	12.57		14
10	QPSK	1	49	12.58	12.57	12.62		
10	QPSK	25	0	11.73	11.85	11.62		
10	QPSK	25	25	11.57	11.74	11.51		13
10	QPSK	25	49	11.46	11.81	11.63		
10	QPSK	50	0	11.68	11.67	11.52		
10	QPSK	50	25	11.62	11.63	11.69		
10	QPSK	50	49	11.62	11.63	11.69		13
10	QPSK	50	73	10.57	10.59	10.63		
10	QPSK	50	99	10.62	10.58	10.63		12
10	QPSK	100	0	10.62	10.58	10.63		
10	QPSK	100	25	10.62	10.58	10.60		
10	QPSK	100	49	10.77	10.91	10.86		
10	QPSK	100	73	10.67	10.70	10.66		12
10	QPSK	100	99	10.67	10.70	10.61		
10	QPSK	100	125	9.79	9.84	9.68		
10	QPSK	100	150	9.68	9.84	9.68		11
10	QPSK	100	175	9.67	9.80	9.74		
10	QPSK	100	200	9.59	9.71	9.62		
10	QPSK	100	225	9.59	9.71	9.62		
10	QPSK	100	250	9.59	9.71	9.62		
10	QPSK	100	275	9.59	9.71	9.62		
10	QPSK	100	300	9.59	9.71	9.62		
10	QPSK	100	325	9.59	9.71	9.62		
10	QPSK	100	350	9.59	9.71	9.62		
10	QPSK	100	375	9.59	9.71	9.62		
10	QPSK	100	400	9.59	9.71	9.62		
10	QPSK	100	425	9.59	9.71	9.62		
10	QPSK	100	450	9.59	9.71	9.62		
10	QPSK	100	475	9.59	9.71	9.62		
10	QPSK	100	500	9.59	9.71	9.62		
10	QPSK	100	525	9.59	9.71	9.62		
10	QPSK	100	550	9.59	9.71	9.62		
10	QPSK	100	575	9.59	9.71	9.62		
10	QPSK	100	600	9.59	9.71	9.62		
10	QPSK	100	625	9.59	9.71	9.62		
10	QPSK	100	650	9.59	9.71	9.62		
10	QPSK	100	675	9.59	9.71	9.62		
10	QPSK	100	700	9.59	9.71	9.62		
10	QPSK	100	725	9.59	9.71	9.62		
10	QPSK	100	750	9.59	9.71	9.62		
10	QPSK	100	775	9.59	9.71	9.62		
10	QPSK	100	800	9.59	9.71	9.62		
10	QPSK	100	825	9.59	9.71	9.62		
10	QPSK	100	850	9.59	9.71	9.62		
10	QPSK	100	875	9.59	9.71	9.62		
10	QPSK	100	900	9.59	9.71	9.62		
10	QPSK	100	925	9.59	9.71	9.62		
10	QPSK	100	950	9.59	9.71	9.62		
10	QPSK	100	975	9.59	9.71	9.62		
10	QPSK	100	1000	9.59	9.71	9.62		
10	QPSK	100	1025	9.59	9.71	9.62		
10	QPSK	100	1050	9.59	9.71	9.62		
10	QPSK	100	1075	9.59	9.71	9.62		
10	QPSK	100	1100	9.59	9.71	9.62		
10	QPSK	100	1125	9.59	9.71	9.62		
10	QPSK	100	1150	9.59	9.71	9.62		
10	QPSK	100	1175	9.59	9.71	9.62		
10	QPSK	100	1200	9.59	9.71	9.62		
10	QPSK	100	1225	9.59	9.71	9.62		
10	QPSK	100	1250	9.59	9.71	9.62		
10	QPSK	100	1275	9.59	9.71	9.62		
10	QPSK	100	1300	9.59	9.71	9.62		
10	QPSK	100	1325	9.59	9.71	9.62		
10	QPSK	100	1350	9.59	9.71	9.62		
10	QPSK	100	1375	9.59	9.71	9.62		
10	QPSK	100	1400	9.59	9.71	9.62		
10	QPSK	100	1425	9.59	9.71	9.62		
10	QPSK	100	1450	9.59	9.71	9.62		
10	QPSK	100	1475	9.59	9.71	9.62		
10	QPSK	100	1500	9.59	9.71	9.62		
10	QPSK	100	1525	9.59	9.71	9.62		
10	QPSK	100	1550	9.59	9.71	9.62		
10	QPSK	100	1575	9.59	9.71	9.62		
10	QPSK	100	1600	9.59	9.71	9.62		
10	QPSK	100	1625	9.59	9.71	9.62		
10	QPSK	100	1650	9.59	9.71	9.62		
10	QPSK	100	1675	9.59	9.71	9.62		
10	QPSK	100	1700	9.59	9.71	9.62		
10	QPSK	100	1725	9.59	9.71	9.62		
10	QPSK	100	1750	9.59	9.71	9.62		
10	QPSK	100	1775	9.59	9.71	9.62		
10	QPSK	100	1800	9.59	9.71	9.62		
10	QPSK	100	1825	9.59	9.71	9.62		
10	QPSK	100	1850	9.59	9.71	9.62		
10	QPSK	100	1875	9.59	9.71	9.62		
10	QPSK	100	1900	9.59	9.71	9.62		
10	QPSK	100	1925	9.59	9.71	9.62		
10	QPSK	100	1950	9.59	9.71	9.62		
10	QPSK	100	1975	9.59	9.71	9.62		
10	QPSK	100	2000	9.59	9.71	9.62		
10	QPSK	100	2025	9.59	9.71	9.62		
10	QPSK	100	2050	9.59	9.71	9.62		
10	QPSK	100	2075	9.59	9.71	9.62		
10	QPSK	100	2100	9.59	9.71	9.62		
10	QPSK	100	2125	9.59	9.71	9.62		
10	QPSK	100	2150	9.59	9.71	9.62		
10	QPSK	100	2175	9.59	9.71	9.62		
10	QPSK	100	2200	9.59	9.71	9.62		
10	QPSK	100	2225	9.59	9.71	9.62		
10	QPSK	100	2250	9.59	9.71	9.62		
10	QPSK	100	2275	9.59	9.71	9.62		
10	QPSK	100	2300	9.59	9.71	9.62		
10	QPSK	100	2325	9.59	9.71	9.62		
10	QPSK	100	2350	9.59	9.71	9.62		
10	QPSK	100	2375	9.59	9.71	9.62		
10	QPSK	100	2400	9.59	9.71	9.62		
10	QPSK	100	2425	9.59	9.71	9.62		
10	QPSK	100	2450	9.59	9.71	9.62		
10	QPSK	100	2475	9.59	9.71	9.62		
10	QPSK	100	2500	9.59	9.71	9.62		
10	QPSK	100	2525	9.59	9.71	9.62		
10	QPSK	100	2550	9.59	9.71	9.62		
10	QPSK	100	2575	9.59	9.71	9.62		
10	QPSK	100	2600	9.59	9.71	9.62		
10	QPSK	100	2625	9.59	9.71	9.62		
1								



Band 14 Ant1 Receiver on-ENDC								
RF Band	Modulation	Channel	RF Cnt	Power P _{CM} [dBm]	Power P _{CM} [dBm]	Power P _{CM} [dBm]	Time-to- lock [dB]	APRS [dB]
Frequency (MHz)				795.5				
10	QPSK	1	0		19.38			
10	QPSK	1	0	19.31	19.38		19.5	0
10	QPSK	1	0	19.38	19.38			
10	QPSK	25	0		17.25			
10	QPSK	25	0	17.12	17.25		18.5	1
10	QPSK	25	0	17.25	17.25			
10	QPSK	50	0		17.24			
10	QPSK	50	0	17.15	17.24			
10	QPSK	1	25		17.15		18.5	1
10	QPSK	1	49		17.11			
10	QPSK	1	49	16.98	17.11			
10	QPSK	25	12		16.15		17.5	2
10	QPSK	25	12	16.15	16.15			
10	QPSK	50	25		16.10			
10	QPSK	50	25	16.09	16.10			
10	QPSK	1	0		16.97		17.5	2
10	QPSK	1	25		16.93			
10	QPSK	1	49		16.93			
10	QPSK	1	49	16.92	16.93			
10	QPSK	25	12		15.15		16.5	3
10	QPSK	25	12	15.15	15.15			
10	QPSK	50	25		15.12			
10	QPSK	50	25	15.12	15.12			
10	QPSK	1	0		13.58			
10	QPSK	1	1	13.58	13.58		14.5	5
10	QPSK	25	0		13.41			
10	QPSK	25	0	13.36	13.41			
10	QPSK	50	12		13.51		14.5	5
10	QPSK	50	12	13.51	13.51			
10	QPSK	1	0		13.51			
10	QPSK	1	0	13.51	13.51			
Frequency (MHz)				795.5 / 795.7 / 795.9				
5	QPSK	1	0	18.28	18.34			
5	QPSK	1	12	18.17	18.23		19.5	0
5	QPSK	1	12	18.23	18.23			
5	QPSK	12	0	17.15	17.21			
5	QPSK	12	0	17.07	16.99		18.5	1
5	QPSK	12	0	17.09	17.07			
5	QPSK	25	0	17.11	17.11		16.9	
5	QPSK	1	0		16.99		17.7	16.98
5	QPSK	1	0	16.99	17.07			
5	QPSK	1	12	16.98	17.08		18.5	1
5	QPSK	1	24	16.95	17.01			
5	QPSK	12	0	16.15	16.19		18.12	
5	QPSK	12	0	16.04	16.08		18.43	
5	QPSK	25	18	15.94	15.97		15.92	
5	QPSK	25	0	16.06	16.08		16.10	
5	QPSK	1	12	16.13	16.13		16.14	
5	QPSK	1	12	16.07	16.08		16.10	
5	QPSK	1	24	16.14	16.24		16.14	
5	QPSK	1	24	16.12	16.15		16.11	
5	QPSK	12	0	14.93	15.04		14.98	
5	QPSK	12	18	13.03	13.11		13.01	
5	QPSK	1	0	14.97	15.08		14.92	
5	QPSK	1	0	13.48	13.65		13.65	
5	QPSK	1	12	13.55	13.46		13.58	
5	QPSK	1	24	13.62	13.40		13.58	
5	QPSK	12	0	13.51	13.59		13.59	
5	QPSK	12	12	13.49	13.53		13.53	
5	QPSK	1	0	13.61	13.61		13.61	
5	QPSK	25	0	13.46	13.64		13.65	

Band 25 Ant1 Receiver on-ENDC									
RF MHz	Modulation	RIS Size	RB Offset	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Time-out (min)	SNR (dB)
Frequency (MHz)				1840	1840	1840	1840		
20	QPSK	1	0	12.37	12.73	12.42			
20	QPSK	1	89	12.35	12.65	12.42			0
20	QPSK	1	99	12.33	12.61	12.32			
20	QPSK	50	0	11.52	11.68	11.53			
20	QPSK	50	89	11.54	11.67	11.57			13
20	QPSK	50	99	11.38	11.58	11.41			
20	QPSK	100	0	11.51	11.63	11.49			
20	QPSK	100	89	11.47	11.59	11.51			
20	QPSK	1	49	11.36	11.59	11.63			13
20	QPSK	1	99	11.54	11.61	11.49			
20	QPSK	50	24	10.40	10.58	10.40			12
20	QPSK	50	74	10.40	10.58	10.40			
20	QPSK	50	94	10.43	10.59	10.55			
20	QPSK	100	49	10.46	10.58	10.46			
20	QPSK	1	0	10.58	10.54	10.34			
20	QPSK	1	49	10.48	10.57	10.55			12
20	QPSK	50	99	10.58	10.62	10.49			
20	QPSK	50	99	9.39	9.62	9.39			
20	QPSK	50	24	9.37	9.62	9.32			11
20	QPSK	50	74	9.44	9.69	9.39			
20	QPSK	100	49	9.41	9.62	9.51			
20	QPSK	1	0	7.73	7.84	7.77			
20	QPSK	1	49	7.74	7.74	7.84			
20	QPSK	1	99	7.93	7.78	7.89			
20	QPSK	50	0	7.81	7.84	7.77			
20	QPSK	50	24	7.88	7.90	7.84			
20	QPSK	50	74	7.88	7.88	7.85			9
20	QPSK	100	49	7.83	7.89	7.80			
20	QPSK	1	0	10.11	10.02	10.02			
20	QPSK	1	49	10.08	10.08	10.08			
20	QPSK	1	99	10.08	10.08	10.08			
20	QPSK	50	24	12.48	12.38	12.37.5			14
15	QPSK	1	87	12.35	12.61	12.42			0
15	QPSK	1	97	12.43	12.51	12.42			
15	QPSK	30	0	11.40	11.60	11.40			13
15	QPSK	30	30	11.40	11.60	11.40			
15	QPSK	30	60	11.40	11.63	11.43			
15	QPSK	1	0	11.30	11.54	11.21			
15	QPSK	1	30	11.32	11.54	11.31			13
15	QPSK	1	74	11.50	11.49	11.48			
15	QPSK	30	0	10.31	10.44	10.36			
15	QPSK	30	30	10.40	10.44	10.43			
15	QPSK	30	60	10.38	10.50	10.42			12
15	QPSK	75	0	10.40	10.54	10.53			
15	QPSK	75	30	10.40	10.54	10.52			
15	QPSK	1	37	10.41	10.59	10.32			14
15	QPSK	1	74	10.51	10.60	10.34			
15	QPSK	30	60	9.32	9.55	9.27			
15	QPSK	30	90	9.30	9.45	9.24			
15	QPSK	30	90	9.51	9.44	9.44			
15	QPSK	30	90	9.52	9.44	9.44			
15	QPSK	1	0	7.74	7.82	7.87			
15	QPSK	1	37	7.82	7.72	7.86			9
15	QPSK	1	74	7.93	7.73	7.87			
15	QPSK	30	90	7.85	7.88	7.78			
15	QPSK	30	90	7.73	7.89	7.94			9
15	QPSK	75	0	7.78	7.84	7.80			
15	QPSK	75	30	7.87	7.82	7.88			

Band 26 Ant1 Receiver on-ENC									
BW (MHz)	Modulation	RS Size	RS Offset	Ch. Freq. (MHz)	Power Max (dBm)	Power Min (dBm)	Totals (dBm)	dBFS	MPE (dB)
Channel				81.1	8315	8415			
15	QPSK	1	0	20.01	20.02	19.87			
15	QPSK	1	0	19.99	19.98	19.83		21	0
15	QPSK	1	74	19.90	19.72	19.04			
15	QPSK	36	0	18.07	18.09	18.97			
15	QPSK	36	0	18.07	18.07	18.97		20	1
15	QPSK	36	39	17.79	18.08	18.97			
15	QPSK	36	0	18.83	19.04	18.94			
15	QPSK	36	0	18.87	18.97	19.07			
15	16QAM	1	0	18.72	19.01	18.81		20	1
15	16QAM	1	74	18.89	18.08	19.91			
15	16QAM	36	0	17.58	17.78	17.87			
15	16QAM	36	0	17.69	17.77	17.87		19	2
15	16QAM	36	39	17.75	17.95	17.69			
15	16QAM	36	0	18.09	17.98	17.89			
15	16QAM	1	0	18.02	18.21	17.85			
15	16QAM	1	39	17.23	17.21	17.75		19	2
15	16QAM	1	74	17.81	18.03	17.86			
15	16QAM	1	39	17.95	17.74	17.81			
15	16QAM	36	20	18.87	17.01	18.96			
15	16QAM	36	39	18.88	17.01	18.96		18	3
15	16QAM	36	0	18.88	17.01	18.96			
15	16QAM	75	0	17.09	17.08	16.99			
15	256QAM	1	0	16.13	16.07	15.17			
15	256QAM	1	0	16.14	16.08	15.12			
15	256QAM	1	74	16.26	14.90	15.04		16	5
15	256QAM	36	0	15.10	15.04	14.88			
15	256QAM	26	34	15.06	15.03	15.12			
15	256QAM	36	0	15.06	15.03	15.12		15	5
15	256QAM	75	0	14.98	15.17	15.08			
Frequency (MHz)				81.1	8315	8444	Gain (dB)	dBFS	MPE (dB)
10	QPSK	1	0	19.95	20.02	19.77			
10	QPSK	1	25	19.99	19.73	19.88		21	0
10	QPSK	1	0	19.79	19.82	19.88			
10	QPSK	26	0	18.88	19.02	18.77			
10	QPSK	25	12	18.48	19.06	18.78		20	1
10	QPSK	25	25	18.74	19.03	18.78			
10	QPSK	50	0	16.95	18.84	18.86			
10	16QAM	1	0	18.81	18.79	18.93			
10	16QAM	1	25	18.84	18.78	18.93		20	1
10	16QAM	1	49	18.89	18.97	18.78			
10	16QAM	25	0	17.84	18.00	17.71			
10	16QAM	25	25	17.79	17.89	17.81			
10	16QAM	25	26	17.82	17.69	17.82		19	2
10	16QAM	50	0	17.98	17.83	18.02			
10	16QAM	1	0	17.86	17.87	17.81			
10	16QAM	1	25	17.76	17.80	17.58		19	2
10	16QAM	1	49	17.57	17.83	17.76			
10	16QAM	25	12	16.95	16.98	16.93			
10	16QAM	25	26	16.72	16.94	16.89		18	3
10	16QAM	25	25	16.74	17.00	16.83			
10	16QAM	50	0	14.98	15.07	14.97			
10	256QAM	1	0	15.06	15.24	15.26			
10	256QAM	1	25	15.00	15.20	15.09		16	5
10	256QAM	1	49	15.00	15.20	15.09			
10	256QAM	25	12	14.90	15.23	15.23			
10	256QAM	25	26	14.92	15.23	15.23		15	5
10	256QAM	50	0	15.02	15.22	15.03			

Channel	Frequency (MHz)	26000	26340	26580	Turn-on time (ms)	APR (dB)
10	QPSK	1	9.23	12.92	12.92	
10	QPSK	1	26.22	12.63	12.42	14
10	QPSK	1	49	12.20	12.57	12.25
10	QPSK	1	72	11.43	11.62	11.38
10	QPSK	26	12	11.46	11.61	11.28
10	QPSK	26	26	11.34	11.44	11.28
10	QPSK	26	49	11.27	11.37	11.1
10	QPSK	26	72	11.31	11.51	11.44
10	HQAM	1	9	11.31	11.50	11.18
10	HQAM	1	26	11.23	11.48	11.18
10	HQAM	26	49	11.48	11.53	11.34
10	HQAM	26	72	10.36	10.48	10.38
10	HQAM	26	95	10.47	10.58	10.38
10	HQAM	26	118	10.36	10.36	10.36
10	HQAM	50	10	10.41	10.61	10.52
10	HQAM	50	26	10.38	10.67	10.24
10	HQAM	50	49	10.36	10.63	10.24
10	HQAM	50	72	10.49	10.54	10.52
10	HQAM	50	95	10.47	10.54	10.52
10	HQAM	50	118	12	9.24	9.23
10	HQAM	12	9.24	9.55	9.23	
10	HQAM	26	25	9.62	9.48	9.37
10	HQAM	26	49	9.56	9.48	9.37
10	256QAM	1	9	7.77	7.88	7.79
10	256QAM	1	26	7.85	7.78	7.72
10	256QAM	1	49	7.85	7.78	7.72
10	256QAM	1	72	7.75	7.78	7.72
10	256QAM	1	95	7.82	7.82	7.85
10	256QAM	1	118	7.82	7.82	7.85
10	256QAM	26	25	7.87	7.82	7.85
10	256QAM	26	49	7.87	7.82	7.85
10	256QAM	26	72	7.75	7.78	7.85
10	256QAM	26	95	7.82	7.82	7.85
10	256QAM	26	118	7.82	7.82	7.85
5	QPSK	1	12	12.17	12.64	12.24
5	QPSK	1	24	12.28	12.55	12.24
5	QPSK	12	11.43	11.54	11.38	14
5	QPSK	12	14	11.43	11.63	11.28
5	QPSK	12	13	11.27	11.51	11.28
5	QPSK	12	26	11.45	11.49	11.38
5	HQAM	1	9	11.36	11.51	11.26
5	HQAM	1	12	11.29	11.53	11.66
5	HQAM	1	24	11.45	11.48	11.38
5	HQAM	12	10	10.38	10.51	10.38
5	HQAM	12	7	10.54	10.44	10.32
5	HQAM	12	13	10.38	10.61	10.24
5	HQAM	26	10	10.34	10.58	10.31
5	HQAM	1	10	10.53	10.45	10.28
5	HQAM	12	13	10.38	10.54	10.28
5	HQAM	12	24	10.53	10.53	10.28
5	HQAM	12	6	9.35	9.48	9.27
5	HQAM	12	13	9.51	9.51	9.23
5	HQAM	12	14	9.55	9.55	9.43
5	HQAM	12	15	9.36	9.55	9.43
5	HQAM	12	26	7.93	7.78	7.78
5	256QAM	1	12	7.77	7.78	7.84
5	256QAM	1	24	7.87	7.75	7.81
5	256QAM	12	7	7.86	7.86	7.85
5	256QAM	12	7	7.79	7.74	7.89
5	256QAM	12	13	7.89	7.82	7.85
5	256QAM	12	14	7.84	7.84	7.87

Channel		28715	28815	27915	Turn-on rate (s)	MPR (dB)
Frequency (MHz)		19.911	19.915	19.919		
QPSK	1	0	18.94	19.89	21	0
QPSK	1	24	19.81	19.85		
QPSK	1	92	19.71	19.97	20	1
QPSK	12	13	18.98	19.06		
QPSK	12	7	18.62	18.97	20	1
QPSK	12	13	18.62	18.97		
QPSK	25	25	18.76	18.84	20	1
16QAM	1	0	18.86	18.72		
16QAM	1	24	18.81	18.88	20	1
16QAM	1	24	18.99	19.03		
16QAM	12	13	17.46	18.11	19	2
16QAM	12	13	17.46	18.11		
16QAM	12	13	17.79	17.83	19	2
16QAM	12	13	17.85	17.95		
64QAM	1	0	18.91	18.94	19	2
64QAM	1	12	17.95	17.88		
64QAM	1	24	17.79	17.91	18	3
64QAM	12	7	18.91	18.96		
64QAM	12	7	18.91	18.76	16	5
256QAM	1	12	18.87	18.72		
256QAM	1	24	18.91	18.96	16	5
256QAM	1	12	15.12	14.97		
256QAM	12	0	15.05	15.04	16	5
256QAM	12	0	15.05	15.04		
256QAM	12	7	14.96	15.10	16	5
256QAM	12	7	14.96	15.10		
256QAM	25	0	15.11	15.05	16	5
256QAM	25	0	15.11	15.05		
Channel		28795	28895	27925	Turn-on rate (s)	MPR (dB)
Frequency (MHz)		19.919	19.915	19.917		
QPSK	1	0	18.94	19.89	21	0
QPSK	1	14	19.74	19.81		
QPSK	1	92	19.79	19.95	20	1
QPSK	12	13	18.98	19.01		
QPSK	8	4	18.73	19.01	20	1
QPSK	8	4	18.84	18.80		
16QAM	1	0	18.71	18.99	20	1
16QAM	1	0	18.88	18.81		
16QAM	1	8	18.99	18.94	19	2
16QAM	1	8	18.72	19.11		
16QAM	8	4	17.73	17.99	19	2
16QAM	8	4	17.91	18.07		
16QAM	16	0	17.83	17.82	19	2
16QAM	16	0	18.05	18.13		
64QAM	1	0	18.76	17.74	19	2
64QAM	1	14	17.64	17.87		
64QAM	8	7	16.79	17.08	18	3
64QAM	8	7	16.77	16.79		
64QAM	8	7	16.88	16.87	16	5
256QAM	1	12	15.07	15.03		
256QAM	1	24	14.98	15.10	16	5
256QAM	1	12	15.10	15.09		
256QAM	1	14	15.12	15.15	16	5
256QAM	8	4	14.98	15.02		
256QAM	8	4	15.01	15.14	16	5

Channel	Frequency (MHz)	26955	26960	26976	Tempco (°C)	Appt (dB)
		10315	10316	10315		
3	OPRSL	8	12.17	12.50	12.41	14
3	OPRSL	1	12.25	12.50	12.27	
3	OPRSL	8	11.47	11.58	11.39	
3	OPRSL	8	11.46	11.60	11.20	
3	OPRSL	6	11.35	11.47	11.33	13
3	OPRSL	1	11.39	11.58	10.99	
3	HQAMM	1	11.37	11.54	11.19	13
3	HQAMM	1	11.32	11.58	11.00	
3	HQAMM	8	11.44	11.47	11.33	
3	HQAMM	8	10.31	10.54	10.38	
3	HQAMM	8	10.55	10.45	10.29	12
3	HQAMM	8	10.56	10.56	10.38	
3	HQAMM	16	10.30	10.50	10.31	12
3	HQAMM	1	10.55	10.41	10.20	
3	HQAMM	8	10.56	10.56	10.38	
3	HQAMM	1	10.56	10.56	10.38	
3	HQAMM	1	14	10.59	10.38	11
3	HQAMM	8	12.4	10.53	10.26	
3	HQAMM	8	12.4	10.53	10.25	
3	HQAMM	7	9.53	9.53	9.43	
3	HQAMM	19	9.37	9.55	9.38	9
3	HQAMM	1	7.84	7.77	7.79	
3	HQAMM	1	7.77	7.71	7.88	
3	HQAMM	1	7.86	7.81	7.75	
3	HQAMM	1	7.85	7.75	7.72	9
3	HQAMM	8	7.75	7.84	7.88	
3	HQAMM	7	7.80	7.86	7.83	
3	HQAMM	8	7.84	7.86	7.83	
Channel	Frequency (MHz)	16037	16040	16043	Tempco (°C)	Appt (dB)
		10315	10316	10315		
14	OPRSL	1	12.44	12.54	12.44	14
14	OPRSL	1	12.24	12.54	12.44	
14	OPRSL	1	12.19	12.44	12.24	
14	OPRSL	8	12.38	12.54	12.24	
14	OPRSL	1	12.51	12.52	12.52	13
14	OPRSL	3	12.34	12.55	12.35	
14	HQAMM	1	11.48	11.57	11.39	
14	HQAMM	1	11.34	11.59	11.19	
14	HQAMM	3	11.33	11.58	11.00	13
14	HQAMM	1	11.48	11.48	11.32	
14	HQAMM	8	10.31	10.52	10.37	
14	HQAMM	1	10.54	10.48	10.24	
14	HQAMM	1	10.57	10.54	10.34	12
14	HQAMM	1	10.49	10.50	10.23	
14	HQAMM	3	10.27	10.56	10.27	
14	HQAMM	1	10.28	10.53	10.23	
14	HQAMM	3	10.61	10.49	10.36	11
14	HQAMM	6	9.29	9.87	9.41	
14	HQAMM	3	7.75	7.86	7.83	
14	HQAMM	1	7.85	7.77	7.88	
14	HQAMM	1	7.84	7.82	7.85	9
14	HQAMM	1	7.82	7.73	7.77	
14	HQAMM	3	7.74	7.84	7.89	
14	HQAMM	3	7.85	7.87	7.82	
14	HQAMM	1	7.81	7.78	7.78	9

Channel	Frequency (MHz)	26897 84.4	26895 84.3	26933 84.3	Frequency (MHz)	MPR (dB)
1.4 QPSK	1	9.92	19.99	19.74	21	0
1.4 QPSK	1	9.76	19.88	19.83		
1.4 QPSK	1	9.70	19.73	19.89		
1.4 QPSK	3	20.02	19.87	19.88		
1.4 QPSK	3	19.64	19.90	19.75		
1.4 QPSK	3	19.74	19.78	19.59		
1.4 QPSK	6	18.73	19.01	18.85	20	1
1.4 16QAM	1	0	18.76	18.79		
1.4 16QAM	1	3	18.71	18.84		
1.4 16QAM	1	5	19.02	18.89		
1.4 16QAM	3	0	18.64	18.99		
1.4 16QAM	3	1	18.80	19.07		
1.4 16QAM	3	3	18.64	18.87	19	2
1.4 16QAM	6	0	17.96	17.91		
1.4 16QAM	1	0	17.93	17.93		
1.4 16QAM	1	3	17.73	17.67		
1.4 16QAM	1	5	17.82	17.88		
1.4 16QAM	1	6	17.69	17.88		
1.4 16QAM	3	0	17.78	17.88	18	3
1.4 16QAM	3	3	17.83	18.12		
1.4 16QAM	6	0	16.95	16.94		
1.4 16QAM	1	0	15.08	15.15		
1.4 25QAM	1	9	14.94	15.08		
1.4 25QAM	1	6	15.17	14.90	16	5
1.4 25QAM	1	0	15.00	15.00		
1.4 25QAM	3	1	15.10	15.12		
1.4 25QAM	3	3	15.06	15.22		
1.4 25QAM	6	0	15.10	15.14		
1.4 25QAM	6	0	15.10	15.14		

Band 66 Ant1 Receiver on-ENDC														
BM [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup Int. (dB)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	13.58	13.67	13.48	14.5	0	23	1				
20	QPSK	1	49	13.53	13.65	13.41								
20	QPSK	1	99	13.81	13.90	13.30								
20	QPSK	50	0	12.55	12.75	12.42	13.5	1	22	1				
20	QPSK	50	24	12.47	12.74	12.52								
20	QPSK	50	50	12.44	12.47	12.39								
20	QPSK	100	0	12.57	12.68	12.53	13.5	1	22	1				
20	16QAM	1	0	12.52	12.65	12.57								
20	16QAM	1	49	12.55	12.62	12.47								
20	16QAM	1	99	12.55	12.48	12.34	12.5	2	21	2				
20	16QAM	50	0	11.92	11.93	11.91								
20	16QAM	50	24	11.93	11.79	11.47								
20	16QAM	50	50	11.92	11.98	11.94	12.5	2	21	2				
20	16QAM	100	0	11.90	11.98	11.94								
20	16QAM	1	0	11.95	11.69	11.43								
20	16QAM	1	49	11.90	11.98	11.94	11.5	3	20	3				
20	16QAM	1	99	11.94	11.95	11.98								
20	16QAM	50	0	10.92	10.95	10.90								
20	16QAM	50	24	10.90	10.94	10.43	9.5	5	18	5				
20	16QAM	50	50	10.95	10.48	10.46								
20	16QAM	100	0	10.94	10.48	10.39								
20	256QAM	1	0	8.45	8.59	8.40	8.5	5	18	5				
20	256QAM	1	49	8.47	8.53	8.50								
20	256QAM	1	99	8.59	8.53	8.50								
20	256QAM	50	0	8.45	8.59	8.50	8.5	5	18	5				
20	256QAM	50	24	8.45	8.64	8.57								
20	256QAM	50	50	8.52	8.52	8.65								
20	256QAM	100	0	8.51	8.53	8.47	13.097	13.097	13.097	13.097				
Channel														
Frequency (MHz)														
17	QPSK	1	0	13.32	13.60	13.33	14.5	0	23	1				
17	QPSK	1	37	13.33	13.93	13.32								
17	QPSK	1	74	13.41	13.97	13.17								
17	QPSK	36	0	12.49	12.71	12.28	13.5	1	22	1				
17	QPSK	36	20	12.40	12.81	12.38								
17	QPSK	36	36	12.37	12.38	12.25								
17	QPSK	75	0	12.47	12.59	12.47	13.5	1	22	1				
17	16QAM	1	0	12.38	12.50	12.37								
17	16QAM	1	37	12.42	12.56	12.34								
17	16QAM	1	74	12.47	12.56	12.24	12.5	2	21	2				
17	16QAM	36	0	11.56	11.59	11.59								
17	16QAM	36	20	11.48	11.66	11.40								
17	16QAM	36	36	11.57	11.57	11.29	11.5	3	20	3				
17	16QAM	75	0	11.47	11.51	11.29								
17	16QAM	1	0	11.48	11.63	11.54								
17	16QAM	1	37	11.45	11.68	11.25	12.5	2	21	2				
17	16QAM	1	74	11.48	11.50	11.52								
17	16QAM	36	0	10.48	10.51	10.37								
17	16QAM	36	20	10.41	10.58	10.38	9.5	5	18	5				
17	16QAM	36	36	10.51	10.43	10.33								
17	16QAM	75	0	10.40	10.38	10.33								
17	256QAM	1	0	8.43	8.51	8.41	8.5	5	18	5				
17	256QAM	1	37	8.45	8.44	8.54								
17	256QAM	1	74	8.63	8.52	8.50								
17	256QAM	36	0	8.47	8.64	8.55	8.5	5	18	5				
17	256QAM	36	20	8.47	8.64	8.55								
17	256QAM	36	36	8.52	8.64	8.57								
17	256QAM	75	0	8.51	8.62	8.54	13.097	13.097	13.097	13.097				
Channel														
Frequency (MHz)														
13	QPSK	1	0	13.49	13.57	13.48	14.5	0	23	1				
13	QPSK	1	25	13.43	13.57	13.53								
13	QPSK	1	49	13.52	13.37	13.18								
13	QPSK	12	0	12.42	12.48	12.32	13.5	1	22	1				
13	QPSK	12	7	12.38	12.68	12.25								
13	QPSK	12	12	12.37	12.34	12.27								
13	QPSK	25	0	12.51	12.51	12.40	13.5	1	22	1				
13	16QAM	1	0	12.44	12.51	12.31								
13	16QAM	1	25	12.51	12.58	12.40								
13	16QAM	1	49	12.46	12.44	12.36	12.5	2	21	2				
13	16QAM	12	0	11.48	11.50	11.41								
13	16QAM	12	7	11.40	11.62	11.42								
13	16QAM	12	12	11.45	11.48	11.37	11.5	3	20	3				
13	16QAM	25	0	11.49	11.59	11.19								
13	16QAM	1	0	11.48	11.66	11.31								
13	16QAM	1	25	11.54	11.52	11.21	12.5	2	21	2				
13	16QAM	1	49	11.47	11.43	11.33								
13	16QAM	25	0	10.58	10.46	10.35								
13	16QAM	25	12	10.37	10.51	10.38	9.5	5	18	5				
13	16QAM	25	25	10.40	10.34	10.33								
13	16QAM	50	0	10.41	10.38	10.32								
13	256QAM	1	0	8.52	8.61	8.61	8.5	5	18	5				
13	256QAM	1	25	8.50	8.47	8.54								
13	256QAM	1	49	8.61	8.43	8.47								
13	256QAM	25	0	8.49	8.58	8.51	8.5	5	18	5				
13	256QAM	25	12	8.46	8.63	8.54								
13	256QAM	25	25	8.49	8.59	8.59								
13	256QAM	50	0	8.47	8.64	8.47	13.097	13.097	13.097	13.097				
Channel														
Frequency (MHz)														
10	QPSK	1	0	13.43	13.57	13.39	14.5	0	23	1				
10	QPSK	1	12	13.43	13.55	13.53								
10	QPSK	1	24	13.52	13.44	13.24								
10	QPSK	12	0	12.45	12.68	12.32	13.5	1	22	1				
10	QPSK	12	7	12.34	12.67	12.31								
10	QPSK	12	13	12.34	12.36	12.41								
10	QPSK	25	0	12.53	12.61	12.50	13.5	1	22	1				
10	16QAM	1	0	12.41	12.60	12.25								
10	16QAM	1	12	12.51	12.52	12.37								
10	16QAM	1	24	12.52	12.42	12.23	12.5	2	21	2				
10	16QAM	12	0	11.54	11.48	11.44								
10	16QAM	12	7	11.38	11.59	11.32								
10	16QAM	12	13	11.49	11.51	11.38	11.5	3	20	3				
10	16QAM	25	0	11.52	11.53	11.21								
10	16QAM	1	0	11.50	11.66	11.31								
10	16QAM	1	12	11.53	11.61	11.28	12.5	2	21	2				
10	16QAM	1	24	11.43	11.49	11.33								
10	16QAM	12	0	10.52	10.50	10.45								
10	16QAM	12	7	10.39	10.54	10.40	9.5	5	18	5				
10	16QAM	12	13	10.43	10.39	10.38								
10	16QAM	25	0	10.45	10.45	10.44	8.5	5	18	5				
10	256QAM	1	0	8.54	8.52	8.49								
10	256QAM	1	12	8.53	8.51	8.50								
10	256QAM	1	24	8.58	8.52	8.45	8.5	5	18	5				
10	256QAM	12	0	8.55	8.50	8.51								
10	256QAM	12	7	8.54	8.57	8.47								
10	256QAM	12	13	8.60	8.60	8.67	9.5	5	18	5				
10	256QAM	25	0	8.51	8.64	8.48								
10	256QAM	25	12	8.52	8.60	8.57								
Channel														
Frequency (MHz)														
3	QPSK	1	0	13.48	13.53	13.42	14.5	0	23	1				
3	QPSK	1	15	13.49	13.59	13.49								
3	QPSK	1	30	13.58	13.67	13.58								
3	QPSK	8	0	12.46	12.67	12.20	13.5	1	22	1				
3	QPSK	8	7	12.41	12.35	12.25								
3	QPSK	8	14	12.42	12.32	12.25								
3	QPSK	16	0	12.48	12.58	12.48	13.5	1	22	1				
3	QPSK	16	7	12.45	12.54	12.48								
3	QPSK	16	14	12.41	12.54	12.54								
3	16QAM	1	0	12.41	12.44	12.28	13.5	1	22	1				
3	16QAM	1	15	12.52	12.52	12.34								
3	16QAM	1	30	12.52	12.42	12.23								
3	16QAM	8	0	11.41	11.60	11.30	12.5	2	21	2				
3	16QAM	8	7	11.57	11.53	11.31								
3	16QAM	8	14	11.45	11.66	11.27								
3	16QAM	16	0	11.41	11.66	11.32	11.5	3	20	3				
3	16QAM	16	7	11.47	11.47	11.33								
3	16QAM	16	14	10.49	10.39	10.33								
3	16QAM	32	0	10.44	10.34	10.34	9.5	5	18	5				
3	256QAM	1	0	8.53	8.65	8.52								
3	256QAM	1	15	8.51	8.51	8.51								
3	256QAM	1	30	8.53	8.52	8.51	8.5	5	18	5				
3	256QAM	8	0	8.55	8.55	8.47								
3	256QAM	8	7	8.54	8.65	8.61								
3	256QAM	8	14	8.55	8.65	8.62	9.5	5	18	5				
3	256QAM	16	0	8.57	8.60	8.57								
3	256QAM	16	7	8.60	8.65	8.62								
3	256QAM	16	14	8.56	8.60	8.62	13.097	13.097	13.097	13.097				
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	13.48	13.55	13.45	14.5	0	23	1				
1.4	QPSK	1	15	13.49	13.60	13.50								
1.4	QPSK	1	30	13.47	13.37	13.20								
1.4	QPSK	8	0	12.46	12.69	12.20	13.5	1	22	1				
1.4	QPSK	8	7	12.41	12.61	12.25								
1.4	QPSK	8	14	12.41	12.35	12.25								
1.4	QPSK	16	0	12.48	12.58	12.48	13.5	1	22	1				
1.4	QPSK	16	7	12.45	12.54	12.48								
1.4	QPSK	16	14	12.41	12.54	12.54								
1.4	16QAM	1	0	12.41	12.44	12.28	13.5	1	22	1				
1.4	16QAM	1	15	12.52	12.52	12.34								
1.4	16QAM	1	30	12.52	12.42	12.23								
1.4	16QAM	8	0	11.41	11.60	11.30	12.5	2	21	2				
1.4	16QAM	8	7	11.57	11.53	11.31								
1.4	16QAM	8	14	11.45	11.66	11.27								
1.4	16QAM	16	0	11.41	11.66	11.32	11.5	3	20	3				
1.4	16QAM	16	7	11.47										

Band 48 Ant3 Receiver on-ENDC									
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				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	16.27	16.46	16.22	16.35	17	0
20	QPSK	1	49	16.19	16.37	16.24	16.29		
20	QPSK	1	99	16.28	16.31	16.15	16.33		
20	QPSK	50	0	15.37	15.40	15.19	15.35		
20	QPSK	50	24	15.21	15.33	15.25	15.29	16	1
20	QPSK	50	50	15.30	15.30	15.24	15.33		
20	QPSK	100	0	15.20	15.44	15.18	15.36		
20	16QAM	1	0	15.28	15.48	15.35	15.28		
20	16QAM	1	49	15.25	15.39	15.27	15.26	16	1
20	16QAM	1	99	15.18	15.44	15.21	15.37		
20	16QAM	50	0	14.29	14.32	14.28	14.28		
20	16QAM	50	24	14.26	14.32	14.26	14.29		
20	16QAM	50	50	14.32	14.56	14.32	14.22	15	2
20	16QAM	100	0	14.47	14.48	14.33	14.42		
20	64QAM	1	0	14.30	14.41	14.14	14.13		
20	64QAM	1	49	14.14	14.45	14.20	14.23	15	2
20	64QAM	1	99	14.38	14.40	14.15	14.25		
20	64QAM	50	0	13.38	13.34	13.20	13.29		
20	64QAM	50	24	13.20	13.40	13.24	13.13		
20	64QAM	50	50	13.23	13.43	13.19	13.29	14	3
20	64QAM	100	0	13.34	13.32	13.27	13.34		
20	256QAM	1	0	11.52	11.68	11.59	11.67		
20	256QAM	1	49	11.51	11.48	11.63	11.60	12	5
20	256QAM	1	99	11.71	11.49	11.62	11.48		
20	256QAM	50	0	11.55	11.59	11.55	11.63		
20	256QAM	50	24	11.49	11.61	11.62	11.60		
20	256QAM	50	50	11.59	11.57	11.66	11.59	12	5
20	256QAM	100	0	11.63	11.68	11.58	11.58		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3606	3642	3692.5		
15	QPSK	1	0	16.19	16.37	16.17	16.25	17	0
15	QPSK	1	37	16.15	16.32	16.10	16.23		
15	QPSK	1	74	16.17	16.27	16.06	16.23		
15	QPSK	36	0	15.27	15.31	15.11	15.25		
15	QPSK	36	20	15.11	15.29	15.14	15.20	16	1
15	QPSK	36	39	15.22	15.19	15.15	15.26		
15	QPSK	75	0	15.15	15.31	15.15	15.28		
15	16QAM	1	0	15.16	15.44	15.31	15.25		
15	16QAM	1	37	15.20	15.33	15.19	15.15	16	1
15	16QAM	1	74	15.13	15.30	15.16	15.25		
15	16QAM	36	0	14.23	14.19	14.17	14.25		
15	16QAM	36	20	14.12	14.18	14.17	14.23		
15	16QAM	36	39	14.29	14.48	14.18	14.17	15	2
15	16QAM	75	0	14.35	14.37	14.28	14.38		
15	64QAM	1	0	14.16	14.37	14.10	14.02		
15	64QAM	1	37	14.10	14.41	14.13	14.08		
15	64QAM	1	74	14.28	14.32	14.09	14.20	15	2
15	64QAM	36	0	13.34	13.20	13.15	13.15		
15	64QAM	36	20	13.16	13.27	13.17	13.06		
15	64QAM	36	39	13.12	13.34	13.12	13.16	14	3
15	64QAM	75	0	13.28	13.21	13.14	13.22		
15	256QAM	1	0	11.43	11.55	11.50	11.54		
15	256QAM	1	37	11.40	11.45	11.51	11.50		
15	256QAM	1	74	11.68	11.38	11.60	11.37	12	5
15	256QAM	36	0	11.40	11.57	11.42	11.60		
15	256QAM	36	20	11.43	11.59	11.54	11.56		
15	256QAM	36	39	11.59	11.49	11.57	11.52		
15	256QAM	75	0	11.56	11.66	11.50	11.54	Tune-up limit (dBm)	MPR (dB)
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	16.16	16.40	16.16	16.25		
10	QPSK	1	25	16.13	16.30	16.11	16.26	17	0
10	QPSK	1	49	16.14	16.20	16.04	16.23		
10	QPSK	25	0	15.23	15.34	15.04	15.24		
10	QPSK	25	12	15.13	15.20	15.12	15.15		
10	QPSK	25	25	15.19	15.15	15.17	15.22	16	1
10	QPSK	50	0	15.07	15.31	15.12	15.27		
10	16QAM	1	0	15.24	15.40	15.21	15.14		
10	16QAM	1	25	15.19	15.35	15.24	15.11		
10	16QAM	1	49	15.08	15.40	15.12	15.25	16	1
10	16QAM	25	0	14.17	14.20	14.16	14.17		
10	16QAM	25	12	14.14	14.17	14.19	14.18		
10	16QAM	25	25	14.20	14.50	14.23	14.10		
10	16QAM	50	0	14.36	14.35	14.18	14.39	15	2
10	64QAM	1	0	14.26	14.31	14.09	14.06		
10	64QAM	1	25	14.09	14.31	14.17	14.17		
10	64QAM	1	49	14.32	14.25	14.12	14.14		
10	64QAM	25	0	13.32	13.24	13.10	13.19	14	3
10	64QAM	25	12	13.13	13.31	13.10	13.08		
10	64QAM	25	25	13.15	13.35	13.10	13.24		
10	64QAM	50	0	13.26	13.21	13.19	13.20		
10	256QAM	1	0	11.52	11.56	11.54	11.61	12	5
10	256QAM	1	25	11.39	11.45	11.51	11.51		
10	256QAM	1	49	11.57	11.40	11.59	11.42		
10	256QAM	25	0	11.53	11.59	11.45	11.51		
10	256QAM	25	12	11.34	11.59	11.57	11.57	12	5
10	256QAM	25	25	11.46	11.51	11.65	11.48		
10	256QAM	50	0	11.60	11.56	11.54	11.45		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3522.5	3567	3643	3697.5		
5	QPSK	1	0	16.18	16.34	16.12	16.22	17	0
5	QPSK	1	12	16.10	16.29	16.21	16.24		
5	QPSK	1	24	16.17	16.20	16.04	16.24		
5	QPSK	12	0	15.31	15.31	15.09	15.25		
5	QPSK	12	7	15.11	15.28	15.12	15.15	16	1
5	QPSK	12	13	15.25	15.19	15.21	15.16		
5	QPSK	25	0	15.14	15.38	15.10	15.28		
5	16QAM	1	0	15.14	15.35	15.22	15.15		
5	16QAM	1	12	15.10	15.26	15.19	15.21	16	1
5	16QAM	1	24	15.03	15.31	15.08	15.26		
5	16QAM	12	0	14.14	14.28	14.18	14.18		
5	16QAM	12	7	14.15	14.17	14.21	14.21		
5	16QAM	12	13	14.29	14.53	14.24	14.14	15	2
5	16QAM	25	0	14.35	14.36	14.28	14.34		
5	64QAM	1	0	14.24	14.37	14.10	14.02		
5	64QAM	1	12	14.03	14.32	14.05	14.18		
5	64QAM	1	24	14.31	14.27	14.06	14.16	15	2
5	64QAM	12	0	13.34	13.21	13.06	13.19		
5	64QAM	12	7	13.11	13.35	13.11	13.08		
5	64QAM	12	13	13.20	13.28	13.05	13.23		
5	64QAM	25	0	13.27	13.23	13.21	13.23	14	3
5	256QAM	1	0	11.40	11.54	11.53	11.62		
5	256QAM	1	12	11.48	11.42	11.57	11.49		
5	256QAM	1	24	11.68	11.40	11.62	11.38		
5	256QAM	12	0	11.42	11.54	11.48	11.60	12	5
5	256QAM	12	7	11.39	11.52	11.54	11.45		
5	256QAM	12	13	11.49	11.54	11.56	11.49		
5	256QAM	25	0	11.49	11.60	11.43	11.48		



Band 2 Ant0 Hotspot-ENDC																
BW [MHz]	Modulation	RB Size	RB Offset	Power Mod Ch./F.Ch.	Power Hot Ch./F.Ch.	Power Hot Ch./F.Ch.	Time-up Int. (sec)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	10.71	10.65	10.67	12	0								
20	QPSK	1	49	10.59	10.66	10.63										
20	QPSK	1	99	10.57	10.71	10.81	11	1								
20	QPSK	50	0	9.82	9.85	9.72										
20	QPSK	50	24	9.87	9.87	9.56	11	1								
20	QPSK	50	50	9.52	9.62	9.48										
20	QPSK	100	0	9.58	9.74	9.68	11	1								
20	QPSK	100	50	9.87	9.84	9.84										
20	16QAM	1	49	9.68	9.58	9.61	11	1								
20	16QAM	1	99	9.59	9.56	9.67										
20	16QAM	50	0	8.85	8.72	8.67	10	2								
20	16QAM	50	24	8.78	8.67	8.52										
20	16QAM	100	0	8.86	8.98	8.92	9	3								
20	16QAM	100	50	8.68	8.72	9.02										
20	64QAM	1	0	8.61	8.71	8.63	10	2								
20	64QAM	1	49	8.55	8.62	8.60										
20	64QAM	1	99	8.56	8.56	8.90	9	3								
20	64QAM	50	0	7.71	7.64	7.70										
20	64QAM	50	24	7.81	7.67	7.63	7	5								
20	64QAM	100	0	8.68	8.72	7.93										
20	256QAM	1	49	6.02	5.97	5.96	7	5								
20	256QAM	1	99	5.90	5.78	5.78										
20	256QAM	50	0	5.92	5.80	5.80	7	5								
20	256QAM	50	24	5.89	5.89	5.87										
20	256QAM	100	50	5.87	5.90	5.78	7	5								
20	256QAM	100	0	5.78	5.72	5.68										
Channel																
Frequency (MHz)																
15	QPSK	1	0	10.57	10.68	10.63	12	0								
15	QPSK	1	0	10.59	10.79	10.54										
15	QPSK	1	24	9.52	10.82	10.36	12	0								
15	QPSK	1	74	10.43	10.58	10.48										
15	QPSK	36	0	9.79	9.80	9.81	11	1								
15	QPSK	36	39	9.87	9.81	9.65										
15	QPSK	36	39	9.39	9.46	9.38	11	1								
15	QPSK	75	0	9.53	9.62	9.61										
15	16QAM	1	0	9.57	9.62	9.49	11	1								
15	16QAM	1	74	9.68	9.68	9.68										
15	16QAM	1	37	9.59	9.51	9.47	11	1								
15	16QAM	1	74	9.68	9.68	9.62										
15	16QAM	36	0	8.66	8.60	8.42	10	2								
15	16QAM	36	20	8.66	8.60	8.42										
15	16QAM	75	0	8.47	8.50	8.42	10	2								
15	16QAM	75	0	8.58	8.66	8.96										
15	64QAM	1	0	8.58	8.60	8.50	10	2								
15	64QAM	1	49	8.51	8.49	8.62										
15	64QAM	1	74	8.41	8.47	8.51	9	3								
15	64QAM	36	0	7.68	7.55	7.65										
15	64QAM	36	39	7.73	7.65	7.65	7	5								
15	64QAM	36	39	7.57	7.44	7.35										
15	64QAM	75	0	7.63	7.55	7.61	7	5								
15	256QAM	1	37	5.94	5.91	5.91										
15	256QAM	1	74	5.89	5.84	5.78	7	5								
15	256QAM	50	50	5.90	5.85	5.85										
15	256QAM	50	24	5.96	5.92	5.90	7	5								
15	256QAM	36	39	5.78	5.86	5.81										
15	256QAM	100	0	5.68	5.68	5.68	7	5								
15	256QAM	100	0	5.68	5.68	5.68										
Channel																
Frequency (MHz)																
10	QPSK	1	0	10.55	10.60	10.56	12	0								
10	QPSK	1	25	10.48	10.58	10.57										
10	QPSK	1	49	10.52	10.59	10.49	11	1								
10	QPSK	25	13	9.61	9.45	9.50										
10	QPSK	25	25	9.43	9.48	9.35	11	1								
10	QPSK	25	25	9.43	9.48	9.35										
10	16QAM	1	0	9.57	9.60	9.49	11	1								
10	16QAM	1	25	9.57	9.49	9.52										
10	16QAM	25	0	8.73	8.60	8.59	10	2								
10	16QAM	25	12	8.69	8.52	8.46										
10	16QAM	50	0	8.47	8.46	8.49	10	2								
10	16QAM	50	0	8.54	8.50	8.52										
10	64QAM	1	0	8.55	8.65	8.51	10	2								
10	64QAM	1	49	8.46	8.43	8.50										
10	64QAM	25	0	7.62	7.58	7.57	9	3								
10	64QAM	25	13	7.70	7.63	7.67										
10	64QAM	50	0	7.51	7.56	7.63	7	5								
10	256QAM	1	25	5.66	5.65	5.67										
10	256QAM	1	25	5.66	5.61	5.62	7	5								
10	256QAM	25	12	5.95	5.87	5.89										
10	256QAM	25	25	5.83	5.87	5.80	7	5								
10	256QAM	50	0	5.74	5.70	5.67										
Channel																
Frequency (MHz)																
5	QPSK	1	0	10.68	10.76	10.64	12	0								
5	QPSK	1	12	10.53	10.52	10.54										
5	QPSK	1	24	10.48	10.54	10.53	12	0								
5	QPSK	1	49	10.52	10.59	10.49										
5	QPSK	12	7	9.62	9.50	9.53	11	1								
5	QPSK	12	7	9.39	9.52	9.36										
5	16QAM	1	12	9.35	9.45	9.47	11	1								
5	16QAM	1	12	9.54	9.73	9.44										
5	16QAM	1	12	9.58	9.47	9.49	11	1								
5	16QAM	12	0	8.61	8.52	8.61										
5	16QAM	12	0	8.72	8.68	8.56	10	2								
5	16QAM	12	7	8.69	8.62	8.44										
5	16QAM	12	8	8.45	8.44	8.38	10	2								
5	16QAM	25	0	8.58	8.63	8.67										
5	16QAM	25	0	8.55	8.61	8.48	10	2								
5	64QAM	1	0	7.82	7.79	7.80										
5	64QAM	1	24	8.47	8.43	8.54	9	3								
5	64QAM	12	0	7.67	7.52	7.67										
5	64QAM	12	7	7.73	7.59	7.65	7	5								
5	64QAM	12	8	7.60	7.48	7.57										
5	64QAM	25	0	7.50	7.42	7.59	7	5								
5	256QAM	1	0	5.89	5.93	5.90										
5	256QAM	1	12	6.01	5.95	5.89	7	5								
5	256QAM	1	24	5.90	5.78	5.82										
5	256QAM	12	0	5.84	5.90	5.90	7	5								
5	256QAM	12	7	5.95	5.93	5.92										
5	256QAM	12	8	5.88	5.90	5.89	7	5								
5	256QAM	25	0	5.74	5.70	5.67										
5	256QAM	25	0	5.70	5.70	5.69	7	5								
5	256QAM	25	0	5.70	5.70	5.69										
Channel																
Frequency (MHz)																
3	QPSK	1	0	10.58	10.74	10.64	12	0								
3	QPSK	1	6	10.50	10.58	10.49										
3	QPSK	1	14	10.47	10.67	10.58	11	1								
3	QPSK	6	4	9.59	9.50	9.67										
3	QPSK	6	4	9.59	9.50	9.52	11	1								
3	QPSK	16	0	9.54	9.70	9.65										
3	16QAM	1	0	9.53	9.77	9.64	11	1								
3	16QAM	1	6	9.49	9.68	9.61										
3	16QAM	1	14	9.55	9.67	9.59	11	1								
3	16QAM	6	0	8.70	8.68	8.67										
3	16QAM	6	4	8.68	8.55	8.48	10	2								
3	16QAM	6	4	8.42	8.43	8.47										
3	16QAM	16	0	8.61	8.65	8.61	10	2								
3	16QAM	16	0	8.47	8.47	8.63										
3	64QAM	1	6	8.52	8.48	8.48	10	2								
3	64QAM	1	14	8.53	8.49	8.47										
3	64QAM	6	4	7.64	7.56	7.65	9	3								
3	64QAM	6	4	7.77	7.60	7.68										
3	64QAM	16	0	7.49	7.39	7.58	7	5								
3	256QAM	1	0	5.93	5.88	5.98										
3	256QAM	1	6	6.01	5.91	5.88	7	5								
3	256QAM	1	14	5.84	5.77	5.76										
3	256QAM	6	0	5.84	5.89	5.90	7	5								
3	256QAM	6	4	5.84	5.82	5.84										
3	256QAM	6	7	5.80	5.85	5.87	7	5								
3	256QAM	16	0	5.67	5.74	5.64										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	10.64	10.78	10.63	12	0								
1.4	QPSK	1	6	10.50	10.58	10.52										
1.4	QPSK	1	5	10.54	10.55	10.53	12	0								
1.4	QPSK	3	0	10.73	10.76	10.61										
1.4	QPSK	3	6	10.67	10.68	10.68	11	1								
1.4	QPSK	3	12	10.41	10.54	10.41										
1.4	QPSK	6	0	9.84	9.89	9.85	11	1								
1.4	QPSK	6	6	9.82	9.84	9.84										
1.4	16QAM	1	5	9.80	9.47	9.47	11	1								
1.4	16QAM	1	6	9.50	9.52	9.60										
1.4	16QAM	3	0	9.48	9.58	9.48	10	2								
1.4	16QAM	3	6	9.48	8.63	8.54										
1.4	16QAM	6	0	8.66	8.55	8.53	10	2								
1.4	16QAM	6	1	8.46	8.47	8.53										
1.4	16QAM	6	12	8.49	8.50	8.50	10	2								
1.4	16QAM	6	0	8.65	8.55	8.57										
1.4	16QAM	6	1	8.76	8.87	8.48	9	3								
1.4	16QAM	6	12	8.49	8.35	8.49										
1.4	64QAM	1	0	8.95	8.94	8.94	9	3								
1.4	64QAM	1	6	8.97	8.96	8.97										
1.4	64QAM	3	0	8.87	8.78	8.81	7	5								
1.4	64QAM	3	6	8.88	8.91	8.98										
1.4	256QAM	1	0	5.84	5.84	5.84	7	5								
1.4	256QAM	3	0	5.78	5.79	5.78										

Band 13 Ant0 Hotspot-ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.69	20.69	20.69	22.5	0		
10	QPSK	1	25	20.69	20.69	20.69				
10	QPSK	1	49	20.69	20.69	20.69				
10	QPSK	25	0	20.02	20.02	20.02	21.5	1		
10	QPSK	25	12	19.88	19.88	19.88				
10	QPSK	25	25	19.94	19.94	19.94				
10	QPSK	50	0	19.92	19.92	19.92	21.5	1		
10	16QAM	1	0	19.92	19.92	19.92				
10	16QAM	1	25	20.09	20.09	20.09				
10	16QAM	1	49	20.15	20.15	20.15	20.5	2		
10	16QAM	25	0	19.92	19.92	19.92				
10	16QAM	25	12	19.88	19.88	19.88				
10	16QAM	25	25	19.94	19.94	19.94	19.5	3		
10	16QAM	50	0	19.92	19.92	19.92				
10	16QAM	50	0	19.92	19.92	19.92				
10	256QAM	1	0	19.92	19.92	19.92	17.5	5		
10	256QAM	1	25	19.94	19.94	19.94				
10	256QAM	1	49	19.94	19.94	19.94				
10	256QAM	25	0	19.88	19.88	19.88	17.5	5		
10	256QAM	25	12	19.88	19.88	19.88				
10	256QAM	25	25	19.88	19.88	19.88				
10	256QAM	50	0	19.88	19.88	19.88	17.5	5		
10	256QAM	50	0	19.88	19.88	19.88				
10	256QAM	50	0	19.88	19.88	19.88				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.65	20.65	20.64	22.5	0		
5	QPSK	1	12	20.78	20.78	20.77				
5	QPSK	1	24	20.88	20.76	20.76				
5	QPSK	12	0	19.89	19.97	19.95	21.5	1		
5	QPSK	12	7	19.72	19.79	19.73				
5	QPSK	12	14	19.75	19.88	19.81				
5	16QAM	1	0	19.72	19.82	19.85	21.5	1		
5	16QAM	1	12	19.89	20.02	19.98				
5	16QAM	1	24	19.92	20.14	20.06				
5	16QAM	12	0	19.76	19.85	19.73	20.5	2		
5	16QAM	12	7	19.86	19.77	19.79				
5	16QAM	12	14	19.78	19.77	19.83				
5	16QAM	25	0	19.83	19.88	19.79	20.5	2		
5	16QAM	25	12	19.85	19.85	19.77				
5	16QAM	25	24	19.83	19.92	19.78				
5	256QAM	1	0	19.78	19.82	19.79	19.5	3		
5	256QAM	12	17	17.62	17.62	17.70				
5	256QAM	12	19	17.68	17.76	17.60				
5	256QAM	1	0	17.67	17.66	17.73	17.5	5		
5	256QAM	1	12	18.05	18.05	18.11				
5	256QAM	1	12	18.03	18.01	18.04				
5	256QAM	12	0	15.93	16.00	16.10	17.5	5		
5	256QAM	12	0	16.00	15.95	16.01				
5	256QAM	12	13	15.88	16.06	15.97				

Band 14 Ant0 Hotspot-ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.34	21.34	21.34	22.5	0	
10	QPSK	1	25	21.21	21.21	21.21			
10	QPSK	1	49	21.21	21.21	21.21			
10	QPSK	25	0	20.23	20.23	20.23	21.5	1	
10	QPSK	25	12	19.92	19.92	19.92			
10	QPSK	25	25	20.07	20.07	20.07			
10	QPSK	50	0	20.19	20.19	20.19	21.5	1	
10	16QAM	1	0	20.19	20.19	20.19			
10	16QAM	1	25	20.25	20.25	20.25			
10	16QAM	1	49	20.13	20.13	20.13	20.5	2	
10	16QAM	25	0	19.97	19.97	19.97			
10	16QAM	25	12	19.87	19.87	19.87			
10	16QAM	25	25	19.99	19.99	19.99	19.5	3	
10	16QAM	50	0	19.95	19.95	19.95			
10	16QAM	50	0	19.97	19.97	19.97			
10	256QAM	1	0	19.97	19.97	19.97	17.5	5	
10	256QAM	1	25	19.97	19.97	19.97			
10	256QAM	1	49	19.97	19.97	19.97			
10	256QAM	25	0	19.85	19.85	19.85	17.5	5	
10	256QAM	25	12	19.85	19.85	19.85			
10	256QAM	25	25	19.85	19.85	19.85			
10	256QAM	50	0	19.85	19.85	19.85	17.5	5	
10	256QAM	50	0	19.85	19.85	19.85			
10	256QAM	50	0	19.85	19.85	19.85			
Frequency (MHz)				2300	2330	2350	Turn-up time (sec)	MPE (dB)	
5	QPSK	1	0	21.03	21.12	21.03	22.5	0	
5	QPSK	1	12	21.06	21.03	20.93			
5	QPSK	1	24	21.03	21.13	21.05			
5	QPSK	12	0	19.98	19.98	19.98	21.5	1	
5	QPSK	12	7	19.94	20.14	19.92			
5	QPSK	12	14	19.94	20.04	19.97			
5	QPSK	25	0	20.08	20.07	20.04	21.5	1	
5	16QAM	1	0	19.94	20.01	19.85			
5	16QAM	1	12	19.98	20.14	20.04			
5	16QAM	1	24	19.92	20.10	19.95	20.5	2	
5	16QAM	12	0	19.95	19.97	19.96			
5	16QAM	12	7	19.90	19.99	19.91			
5	16QAM	12	14	19.84	19.91	19.86	20.5	2	
5	16QAM	25	0	19.96	19.95	19.86			
5	16QAM	25	7	19.92	19.97	19.93			
5	16QAM	1	12	19.91	19.92	19.91	20.5	2	
5	16QAM	1	24	19.90	19.99	19.83			
5	16QAM	1	36	19.98	19.98	19.94			
5	16QAM	12	7	17.84	17.84	17.85	19.5	3	
5	16QAM	12	13	17.72	17.76	17.68			
5	16QAM	12	19	17.81	17.86	17.79			
5	256QAM	1	12	16.25	16.16	16.31	17.5	5	
5	256QAM	1	12	16.24	16.28	16.29			
5	256QAM	1	12	16.25	16.25	16.26			
5	256QAM	12	12	16.21	16.26	16.23	17.5	5	
5	256QAM	12	7	16.24	16.13	16.18			
5	256QAM	12	19	16.19	16.22	16.15			
5	256QAM	25	25	16.18	16.18	16.18	17.5	5	
5	256QAM	25	13	16.18	16.18	16.18			
5	256QAM	25	1	16.18	16.18	16.18			

Band 25 Ant0 Hotspot-ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power (dBm) Ch1 / Freq	Power (dBm) Ch2 / Freq	Power (dBm) Ch3 / Freq	Turnup time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	10.94	11.02	10.89	12	0		
20	QPSK	1	49	10.93	10.89	10.72				
20	QPSK	1	99	10.92	10.86	10.72				
20	QPSK	50	0	9.81	10.03	9.88	11	1		
20	QPSK	50	24	9.80	9.85	9.75				
20	QPSK	50	50	9.98	9.81	9.88				
20	QPSK	100	0	9.97	10.00	9.98	11	1		
20	16QAM	1	0	10.05	10.02	9.95				
20	16QAM	1	49	9.83	9.89	9.85				
20	16QAM	1	99	9.88	9.74	9.82	10	2		
20	16QAM	50	0	9.75	9.88	9.78				
20	16QAM	50	24	9.13	9.85	9.50				
20	16QAM	50	50	9.93	9.84	9.79	9	3		
20	16QAM	100	0	9.88	9.86	9.77				
20	16QAM	100	0	9.97	9.98	9.88				
20	256QAM	1	0	9.99	9.94	9.92	7	5		
20	256QAM	1	49	9.95	9.92	9.88				
20	256QAM	1	99	9.93	9.93	9.88				
20	256QAM	50	0	7.80	7.98	7.92	7	5		
20	256QAM	50	24	7.72	7.73	7.78				
20	256QAM	50	50	7.85	7.88	7.59				
20	256QAM	100	0	6.99	6.94	6.94	7	5		
20	256QAM	100	0	6.99	6.94	6.94				
20	256QAM	100	0	6.99	6.94	6.94				
20	256QAM	1	49	6.05	6.02	6.05	7	5		
20	256QAM	1	99	5.93	5.97	5.92				
20	256QAM	50	0	6.03	6.07	6.02				
20	256QAM	50	24	6.04	6.04	6.04	7	5		
20	256QAM	50	50	5.98	5.97	5.97				
20	256QAM	100	0	5.93	5.85	5.77				
				26115	26120	26115	Turnup time (sec)	MPE (dB)		
15	QPSK	1	0	10.80	10.90	10.75	12	0		
15	QPSK	1	37	10.70	10.78	10.68				
15	QPSK	1	74	10.73	10.64	10.64				
15	QPSK	36	0	9.76	9.93	9.86	11	1		
15	QPSK	36	20	9.66	9.80	9.69				
15	QPSK	36	56	9.71	9.76	9.76				
15	QPSK	75	0	9.87	9.90	9.89	10	2		
15	16QAM	1	0	9.58	9.30	9.75				
15	16QAM	1	37	9.77	9.75	9.71				
15	16QAM	1	74	9.62	9.64	9.74	10	2		
15	16QAM	36	0	8.80	8.95	8.86				
15	16QAM	36	20	8.81	8.87	8.87				
15	16QAM	36	56	8.82	8.91	8.91	10	2		
15	16QAM	75	0	8.89	8.74	8.70				
15	16QAM	75	0	8.89	8.74	8.70				
15	16QAM	1	37	8.91	8.85	8.87	9	3		
15	16QAM	1	74	8.78	8.88	8.78				
15	16QAM	36	20	7.98	7.87	7.82				
15	16QAM	36	56	7.60	7.66	7.72	9	3		
15	16QAM	75	0	6.98	6.98	6.78				
15	16QAM	75	0	6.92	6.91	6.78				
15	256QAM	1	37	6.10	6.00	6.06	7	5		
15	256QAM	1	74	6.00	6.00	6.00				
15	256QAM	36	20	6.02	6.02	5.83				
15	256QAM	36	56	6.04	6.08	6.01	7	5		
15	256QAM	75	0	5.93	6.03	5.97				
15	256QAM	75	0	5.97	5.78	5.82				

Channel									
Frequency (MHz)									
15	QPSK	1	0	10.86	10.80	10.78	12	0	MPS (dB)
15	QPSK	1	26	10.70	10.70	10.78			
15	QPSK	1	49	10.87	10.69	10.69			
15	QPSK	75	0	9.77	9.87	9.73	11	1	MPS (dB)
15	QPSK	24	12	9.70	9.73	9.69			
15	QPSK	25	26	9.91	9.69	9.76			
15	QPSK	50	0	9.86	9.82	9.84	11	1	MPS (dB)
15	16QAM	1	0	0.91	0.97	0.97			
15	16QAM	1	26	0.75	0.78	0.75			
15	16QAM	75	0	0.96	0.91	0.92	10	2	MPS (dB)
15	16QAM	24	0	0.87	0.91	0.87			
15	16QAM	25	12	0.94	0.91	0.92			
15	16QAM	50	0	0.88	0.81	0.87	10	2	MPS (dB)
15	16QAM	1	0	0.84	0.91	0.78			
15	16QAM	1	26	0.84	0.84	0.84			
15	16QAM	75	0	0.89	0.83	0.77	9	3	MPS (dB)
15	16QAM	24	0	7.82	7.80	7.84			
15	16QAM	25	12	7.85	7.84	7.88			
15	16QAM	50	0	7.84	7.83	7.83	7	5	MPS (dB)
15	16QAM	1	0	7.76	7.88	7.72			
15	16QAM	1	26	6.01	6.06	6.01			
15	16QAM	24	12	6.03	6.03	6.09	7	5	MPS (dB)
15	16QAM	25	49	5.98	5.99	5.98			
15	16QAM	50	0	5.92	5.99	5.96			
15	256QAM	1	24	6.02	6.01	6.01	7	5	MPS (dB)
15	256QAM	25	25	5.91	6.02	5.87			
15	256QAM	50	0	5.94	6.05	5.71			
Channel									
Frequency (MHz)									
15	QPSK	1	0	10.84	10.80	10.78	12	0	MPS (dB)
15	QPSK	1	12	10.72	10.83	10.62			
15	QPSK	1	24	10.84	10.65	10.63			
15	QPSK	75	0	9.83	9.83	9.77	11	1	MPS (dB)
15	QPSK	12	0	9.79	9.74	9.83			
15	QPSK	12	18	9.86	9.74	9.75			
15	QPSK	24	0	9.82	9.86	9.86	11	1	MPS (dB)
15	16QAM	1	0	10.01	9.98	9.76			
15	16QAM	1	12	9.77	9.80	9.84			
15	16QAM	75	0	9.71	9.78	9.77	10	2	MPS (dB)
15	16QAM	12	7	9.04	8.83	8.88			
15	16QAM	1	0	8.81	8.86	8.86			
15	16QAM	25	0	8.93	8.74	8.74	10	2	MPS (dB)
15	16QAM	1	0	8.93	8.84	8.84			
15	16QAM	1	24	8.71	8.88	8.80			
15	16QAM	12	0	7.62	7.76	7.69	9	3	MPS (dB)
15	16QAM	1	7	7.76	7.80	7.81			
15	16QAM	12	18	7.67	7.61	7.61			
15	16QAM	25	0	7.70	7.95	7.69	7	5	MPS (dB)
15	16QAM	50	0	6.02	6.05	6.16			
15	256QAM	1	12	6.10	6.02	6.05			
15	256QAM	24	24	5.99	5.96	5.88	7	5	MPS (dB)
15	256QAM	25	25	6.04	6.04	6.03			
15	256QAM	12	7	6.01	6.03	5.94			
15	256QAM	12	13	5.91	6.09	5.91	7	5	MPS (dB)
15	256QAM	50	0	5.98	5.92	5.75			



Band 66 Ant0 Hotspot-ENDC																				
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Mid./Freq.	Power High Ch./Freq.	Time-up Intvl. [sec]	MPE [dB]												
Channel																				
Frequency [MHz]																				
20	QPSK	1	0	12.55	12.74	12.43	13.5	0												
20	QPSK	1	49	12.43	12.59	12.38														
20	QPSK	1	99	12.48	12.52	12.38														
20	QPSK	50	0	11.65	11.86	11.51	12.5	1												
20	QPSK	50	24	11.27	11.63	11.43														
20	QPSK	50	50	11.56	11.45	11.38														
20	QPSK	100	0	11.50	11.86	11.36	12.5	1												
20	16QAM	1	0	11.51	11.58	11.27														
20	16QAM	1	49	11.46	11.41	11.39														
20	16QAM	1	99	11.49	11.42	11.49	11.5	2												
20	16QAM	50	0	10.54	10.80	10.49														
20	16QAM	50	24	10.40	10.52	10.33														
20	16QAM	50	50	10.58	10.60	10.57	10.5	3												
20	16QAM	100	0	10.54	10.50	10.25														
20	16QAM	1	0	10.45	10.67	10.42														
20	16QAM	1	49	10.30	10.64	10.36	8.5	5												
20	16QAM	1	99	10.48	10.55	10.46														
20	16QAM	50	0	9.58	9.82	9.30														
20	16QAM	50	24	9.44	9.59	9.27	8.5	5												
20	16QAM	50	50	9.48	9.48	9.35														
20	16QAM	100	0	8.50	8.55	8.58														
20	256QAM	1	0	7.77	7.64	7.61														
20	256QAM	1	49	7.74	7.79	7.74														
20	256QAM	1	99	7.64	7.67	7.57														
20	256QAM	50	0	7.64	7.75	7.75	8.5	5												
20	256QAM	50	24	7.70	7.83	7.69														
20	256QAM	50	50	7.68	7.87	7.58														
20	256QAM	100	0	7.50	7.53	7.45														
Channel																				
Frequency [MHz]																				
15	QPSK	1	0	12.41	12.69	12.32	13.5	0												
15	QPSK	1	37	12.37	12.45	12.31														
15	QPSK	1	74	12.39	12.44	12.27														
15	QPSK	36	0	11.54	11.52	11.42	12.5	1												
15	QPSK	36	20	11.22	11.53	11.37														
15	QPSK	36	39	11.53	11.33	11.34														
15	QPSK	75	0	11.40	11.61	11.24	12.5	1												
15	16QAM	1	0	11.43	11.50	11.13														
15	16QAM	1	37	11.34	11.38	11.30														
15	16QAM	1	74	11.41	11.38	11.28	11.5	2												
15	16QAM	36	0	10.47	10.57	10.38														
15	16QAM	36	20	10.28	10.45	10.25														
15	16QAM	36	39	10.51	10.56	10.22	10.5	3												
15	16QAM	75	0	10.47	10.43	10.16														
15	16QAM	1	0	10.34	10.59	10.34														
15	16QAM	1	37	10.26	10.55	10.24	10.5	3												
15	16QAM	1	74	10.37	10.50	10.25														
15	16QAM	36	0	9.49	9.55	9.20														
15	16QAM	36	20	9.32	9.43	9.16	8.5	5												
15	16QAM	36	39	9.35	9.38	9.25														
15	16QAM	75	0	9.43	9.45	9.51														
15	256QAM	1	0	7.75	7.68	7.66	8.5	5												
15	256QAM	1	37	7.76	7.80	7.73														
15	256QAM	1	74	7.69	7.86	7.54														
15	256QAM	36	0	7.64	7.70	7.74														
15	256QAM	36	20	7.71	7.84	7.85														
15	256QAM	36	39	7.61	7.73	7.63														
15	256QAM	75	0	7.55	7.66	7.44														
Channel																				
Frequency [MHz]																				
10	QPSK	1	0	12.41	12.69	12.32	13.5	0												
10	QPSK	1	25	12.30	12.55	12.34														
10	QPSK	1	49	12.39	12.48	12.30														
10	QPSK	25	0	11.52	11.57	11.48	12.5	1												
10	QPSK	25	12	11.24	11.55	11.39														
10	QPSK	25	25	11.48	11.31	11.31														
10	QPSK	50	0	11.37	11.52	11.28	12.5	1												
10	16QAM	1	0	11.39	11.48	11.17														
10	16QAM	1	25	11.33	11.38	11.28														
10	16QAM	1	49	11.39	11.50	11.46	11.5	2												
10	16QAM	25	0	10.43	10.46	10.37														
10	16QAM	25	12	10.34	10.41	10.30														
10	16QAM	25	25	10.47	10.50	10.22	10.5	3												
10	16QAM	50	0	10.40	10.36	10.22														
10	16QAM	1	0	10.36	10.58	10.37														
10	16QAM	1	25	10.21	10.53	10.31	10.5	3												
10	16QAM	1	49	10.38	10.50	10.26														
10	16QAM	25	0	9.49	9.47	9.26														
10	16QAM	25	12	9.35	9.40	9.20	8.5	5												
10	16QAM	25	25	9.37	9.40	9.17														
10	16QAM	50	0	9.35	9.45	9.48														
10	256QAM	1	0	7.75	7.64	7.65	8.5	5												
10	256QAM	1	25	7.72	7.79	7.74														
10	256QAM	1	49	7.66	7.88	7.66														
10	256QAM	25	0	7.73	7.77	7.75														
10	256QAM	25	12	7.68	7.87	7.66														
10	256QAM	25	25	7.64	7.89	7.66														
10	256QAM	50	0	7.49	7.52	7.45														
Channel																				
Frequency [MHz]																				
5	QPSK	1	0	12.41	12.56	12.35	13.5	0												
5	QPSK	1	12	12.39	12.46	12.26														
5	QPSK	1	24	12.33	12.48	12.30														
5	QPSK	12	0	11.52	11.53	11.46	12.5	1												
5	QPSK	12	7	11.16	11.51	11.29														
5	QPSK	12	13	11.44	11.34	11.33														
5	QPSK	25	0	11.45	11.58	11.30	12.5	1												
5	16QAM	1	0	11.38	11.44	11.16														
5	16QAM	1	12	11.34	11.38	11.36														
5	16QAM	1	24	11.43	11.33	11.35	11.5	2												
5	16QAM	12	0	10.47	10.53	10.38														
5	16QAM	12	7	10.31	10.37	10.23														
5	16QAM	12	13	10.45	10.51	10.31	11.5	2												
5	16QAM	25	0	10.41	10.36	10.14														
5	16QAM	1	0	10.37	10.57	10.37	10.5	3												
5	16QAM	1	12	10.25	10.49	10.26														
5	16QAM	1	24	10.36	10.58	10.37	10.5	3												
5	16QAM	12	0	9.47	9.55	9.23														
5	16QAM	12	7	9.40	9.42	9.22	10.5	3												
5	16QAM	12	13	9.32	9.42	9.24														
5	16QAM	25	0	9.41	9.42	9.44	8.5	5												
5	16QAM	1	0	7.72	7.71	7.75														
5	16QAM	1	12	7.69	7.72	7.65														
5	256QAM	1	24	7.69	7.56	7.57														
5	256QAM	12	0	7.74	7.72	7.72														
5	256QAM	12	7	7.66	7.68	7.66														
5	256QAM	12	13	7.61	7.74	7.60	8.5	5												
5	256QAM	25	0	7.54	7.54	7.49														
5	256QAM	25	12	7.50	7.52	7.45														
5	256QAM	25	24	7.46	7.50	7.45														
Channel																				
Frequency [MHz]																				
3	QPSK	1	0	12.41	12.56	12.35	13.5	0												
3	QPSK	1	12	12.39	12.46	12.26														
3	QPSK	1	24	12.33	12.48	12.30														
3	QPSK	1	14	12.37	12.41	12.27	12.5	1												
3	QPSK	1	15	11.55	11.63	11.44														
3	QPSK	1	16	11.57	11.57	11.43														
3	QPSK	8	7	11.47	11.36	11.36	12.5	1												
3	QPSK	15	0	11.39	11.59	11.31														
3	QPSK	16	0	11.43	11.51	11.33														
3	16QAM	1	8	11.40	11.38	11.28	12.5	1												
3	16QAM	1	14	11.39	11.36	11.43														
3	16QAM	1	15	11.37	11.37	11.40														
3	16QAM	8	4	10.29	10.37	10.30	11.5	2												
3	16QAM	8	7	10.44	10.53	10.25														
3	16QAM	8	14	10.37	10.45	10.33														
3	16QAM	1	8	10.36	10.59	10.36	10.5	3												
3	16QAM	1	8	10.27	10.51	10.31														
3	16QAM	1	8	10.34	10.50	10.32														
3	16QAM	8	0	9.45	9.58	9.29	10.5	3												
3	16QAM	8	4	9.52	9.48	9.18														
3	16QAM	8	7	9.53	9.38	9.14														
3	16QAM	15	0	9.42	9.47	9.53	8.5	5												
3	16QAM	1	0	7.77	7.78	7.73														
3	16QAM	1	14	7.65	7.63	7.58														
3	256QAM	1	14	7.68	7.72	7.75														
3	256QAM	8	7	7.71	7.75	7.75														
3	256QAM	8	7	7.66	7.68	7.60														
3	256QAM	8	7	7.61	7.68	7.64	8.5	5												
3	256QAM	8	7	7.54	7.57	7.48														
3	256QAM	8	7	7.54	7.57	7.48														
3	256QAM	8	7	7.54	7.57	7.48														
Channel																				
Frequency [MHz]																				
1.4	QPSK	1	0	12.43	12.69	12.29	13.5	0												
1.4	QPSK	1	3	12.32	12.45	12.29														
1.4	QPSK	1	5	12.33	12.37	12.23														
1.4	QPSK	1	5	12.32	12.37	12.23	12.5	0												
1.4	QPSK	1	10	11.50	11.59	11.40														
1.4	QPSK	1	3	12.29	12.37	12.20														
1.4	QPSK	3	0	12.48	12.57	12.29	12.5	0												
1.4	QPSK	3	3	12.48	12.41	12.25														
1.4	QPSK	3	5	12.46	12.56	12.29														
1.4	16QAM	1	0	11.48	11.48	11.05	12.5	1												
1.4	16QAM	1	3	11.39	11.36	11.24														
1.4	16QAM	1	5	11.40	11.35	11.21														
1.4	16QAM	3	0	11.25	11.48	11.21	11.5	2												
1.4	16QAM	3	3	11.46	11.37	11.41														
1.4	16QAM	3	5	10.41	10.36	10.12														
1.4	16QAM	6	0	10.34	10.60	10.34	10.5	3												
1.4	16QAM																			

Band 2 Ant1 Hotspot-ENDC														
BW (MHz)	Modulation	PRB Size	PRB Offset	Power Low Ch./PRB	Power Mid Ch./PRB	Power High Ch./PRB	Turn-up Init. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	12.23	12.48	12.29	13.5	0						
20	QPSK	1	49	12.15	12.38	12.32								
20	QPSK	1	99	12.24	12.28	12.25								
20	QPSK	50	0	11.20	11.46	11.19								
20	QPSK	50	24	11.10	11.25	11.32	12.5	1						
20	QPSK	50	50	11.32	11.18	11.17								
20	QPSK	100	0	11.26	11.39	11.08								
20	16QAM	100	0	11.31	11.41	11.19								
20	16QAM	1	49	11.12	11.41	11.23	12.5	1						
20	16QAM	1	99	11.25	11.34	11.19								
20	16QAM	50	0	10.05	10.20	10.17								
20	16QAM	50	24	10.06	10.28	10.06								
20	16QAM	50	50	10.12	10.12	10.16	11.5	2						
20	16QAM	100	0	10.22	10.22	10.24								
20	84QAM	1	0	10.13	10.38	10.22								
20	84QAM	1	49	10.08	10.36	9.99								
20	84QAM	50	0	9.20	9.35	9.30	10.5	3						
20	84QAM	50	24	9.06	9.28	9.10								
20	84QAM	50	50	9.13	9.35	9.38								
20	84QAM	100	0	9.18	9.35	9.10								
20	256QAM	1	49	7.44	7.40	7.43	8.5	5						
20	256QAM	1	99	7.44	7.40	7.43								
20	256QAM	50	0	7.40	7.43	7.43								
20	256QAM	50	24	7.45	7.40	7.45								
20	256QAM	50	50	7.47	7.51	7.48	8.5	5						
20	256QAM	100	0	7.35	7.54	7.32								
Channel														
Frequency (MHz)														
18	QPSK	1	0	12.10	12.41	12.21	13.5	0						
18	QPSK	1	25	12.08	12.28	12.15								
18	QPSK	1	74	12.16	12.20	12.14								
18	QPSK	36	0	11.11	11.42	11.15								
18	QPSK	36	25	11.07	11.16	11.04	12.5	1						
18	QPSK	36	39	11.29	11.04	11.10								
18	QPSK	75	0	11.21	11.25	11.04								
18	16QAM	1	0	11.16	11.28	11.07								
18	16QAM	1	37	11.10	11.30	11.14	12.5	1						
18	16QAM	1	74	11.13	11.24	11.03								
18	16QAM	36	0	9.99	10.16	9.92								
18	16QAM	36	25	9.99	10.16	9.92								
18	16QAM	75	0	10.04	10.30	10.14	11.5	2						
18	84QAM	1	0	10.04	10.30	10.14								
18	84QAM	1	37	10.04	10.30	10.04								
18	84QAM	36	0	9.04	9.40	9.09								
18	84QAM	36	25	8.92	9.36	8.96	10.5	3						
18	84QAM	36	39	9.10	9.30	9.27								
18	84QAM	75	0	9.13	9.25	8.99								
18	256QAM	1	0	7.47	7.53	7.43								
18	256QAM	1	37	7.58	7.54	7.59	8.5	5						
18	256QAM	1	74	7.47	7.39	7.42								
18	256QAM	36	0	7.43	7.42	7.43								
18	256QAM	36	25	7.51	7.44	7.48								
18	256QAM	36	39	7.38	7.53	7.41	8.5	5						
18	256QAM	75	0	7.28	7.35	7.27								
Channel														
Frequency (MHz)														
18	QPSK	1	0	12.10	12.41	12.21	13.5	0						
18	QPSK	1	25	12.06	12.33	12.14								
18	QPSK	1	49	12.18	12.21	12.10								
18	QPSK	1	74	12.16	12.23	12.20								
18	QPSK	12	0	11.01	11.12	11.20	12.5	1						
18	QPSK	25	12	11.05	11.08	11.02								
18	QPSK	25	25	11.25	11.08	11.02								
18	QPSK	50	0	10.97	11.22	11.04								
18	16QAM	1	0	11.21	11.32	11.10	12.5	1						
18	16QAM	1	28	11.01	11.30	11.15								
18	16QAM	12	0	11.13	11.31	11.05								
18	16QAM	25	0	9.92	10.13	10.06								
18	16QAM	25	12	10.01	10.16	9.95	11.5	2						
18	16QAM	36	0	9.06	9.38	9.06								
18	16QAM	50	0	10.14	10.40	10.20								
18	84QAM	1	0	10.07	10.25	10.08								
18	84QAM	1	24	10.10	10.35	10.02	10.5	3						
18	84QAM	1	49	10.09	10.16	9.95								
18	84QAM	25	0	9.12	9.36	9.09								
18	84QAM	25	12	8.98	9.14	8.95								
18	84QAM	50	0	9.00	9.30	9.24	10.5	3						
18	84QAM	50	0	9.11	9.23	9.00								
18	256QAM	1	0	7.50	7.52	7.51								
18	256QAM	1	28	7.61	7.60	7.53								
18	256QAM	1	49	7.47	7.41	7.54	8.5	5						
18	256QAM	25	0	7.49	7.50	7.53								
18	256QAM	25	12	7.83	7.53	7.50								
18	256QAM	25	25	7.46	7.48	7.46								
18	256QAM	50	0	7.28	7.29	7.27	8.5	5						
18	256QAM	50	0	7.28	7.29	7.27								
Channel														
Frequency (MHz)														
5	QPSK	1	0	12.12	12.42	12.22	13.5	0						
5	QPSK	1	12	12.10	12.22	12.12								
5	QPSK	1	24	12.16	12.23	12.20								
5	QPSK	12	0	11.15	11.34	11.11								
5	QPSK	12	7	11.03	11.12	11.20	12.5	1						
5	QPSK	12	13	11.21	11.06	11.14								
5	QPSK	25	0	11.13	11.25	11.08								
5	16QAM	1	0	11.16	11.36	11.05								
5	16QAM	1	12	10.98	11.32	11.16	12.5	1						
5	16QAM	1	24	11.21	11.24	11.07								
5	16QAM	12	0	9.91	10.12	10.07								
5	16QAM	12	7	9.95	10.23	9.90								
5	16QAM	25	0	9.87	10.00	9.87	11.5	2						
5	16QAM	25	0	10.08	10.48	10.16								
5	84QAM	1	0	10.08	10.26	10.17								
5	84QAM	1	12	9.98	10.28	9.97								
5	84QAM	1	24	10.06	10.20	9.92	10.5	3						
5	84QAM	12	0	9.03	9.32	9.09								
5	84QAM	12	7	8.95	9.18	8.93								
5	84QAM	25	0	9.07	9.31	9.00								
5	84QAM	25	0	7.54	7.48	7.63	8.5	5						
5	256QAM	1	0	7.54	7.48	7.63								
5	256QAM	1	12	7.61	7.61	7.54								
5	256QAM	1	24	7.43	7.39	7.42								
5	256QAM	12	0	7.43	7.52	7.49	8.5	5						
5	256QAM	12	7	7.52	7.45	7.45								
5	256QAM	12	13	7.47	7.52	7.46								
5	256QAM	25	0	7.35	7.29	7.28								



Band 12 Ant1 Hotspot-ENDC												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up Int. (s/m)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.92	21.97	21.71	22.5	0				
10	QPSK	1	25	21.66	21.78	21.68						
10	QPSK	1	49	21.77	21.77	21.81						
10	QPSK	25	0	20.73	20.80	20.84	21.5	1				
10	QPSK	25	12	20.58	20.81	20.88						
10	QPSK	25	25	20.82	20.78	20.82						
10	QPSK	50	0	20.77	20.83	20.87	21.5	1				
10	16QAM	1	0	20.84	20.88	20.72						
10	16QAM	1	25	20.84	20.79	20.81						
10	16QAM	1	49	20.70	20.84	20.52	20.5	2				
10	16QAM	25	0	19.74	19.92	19.84						
10	16QAM	25	12	19.87	19.88	19.84						
10	16QAM	25	25	19.88	19.88	19.84	19.5	3				
10	16QAM	50	0	19.83	20.02	19.84						
10	16QAM	1	0	19.92	19.86	19.85						
10	16QAM	1	25	19.79	19.89	19.92	20.5	2				
10	16QAM	1	49	19.89	20.01	19.71						
10	16QAM	25	0	19.89	19.86	19.73						
10	16QAM	25	12	19.92	19.86	19.82	19.5	3				
10	16QAM	25	25	19.71	19.86	19.89						
10	16QAM	50	0	19.83	19.86	19.89						
10	256QAM	1	0	16.87	16.88	17.04	17.5	5				
10	256QAM	1	25	17.03	17.08	17.05						
10	256QAM	1	49	16.99	16.99	16.84						
10	256QAM	1	12	16.97	16.98	17.08	17.5	5				
10	256QAM	25	12	17.05	16.96	16.98						
10	256QAM	25	25	16.87	17.08	16.95						
10	256QAM	50	0	16.99	16.98	16.95						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.89	21.86	21.87	22.5	0				
5	QPSK	1	25	21.81	21.89	21.83						
5	QPSK	1	24	21.72	21.73	21.85						
5	QPSK	12	0	20.62	20.81	20.60	21.5	1				
5	QPSK	12	7	20.44	20.75	20.81						
5	QPSK	12	13	20.70	20.67	20.54						
5	QPSK	25	0	20.64	20.75	20.68	21.5	1				
5	16QAM	1	1	20.74	20.70	20.68						
5	16QAM	1	12	20.77	20.72	20.52						
5	16QAM	1	24	20.67	20.81	20.48	20.5	2				
5	16QAM	12	0	19.89	19.83	19.88						
5	16QAM	12	7	19.73	19.72	19.50						
5	16QAM	12	13	19.75	19.82	19.59	19.5	3				
5	16QAM	25	0	19.76	19.90	19.58						
5	16QAM	1	0	19.83	19.82	19.90						
5	16QAM	1	24	19.69	19.98	19.71	20.5	2				
5	16QAM	1	24	19.80	19.87	19.51						
5	16QAM	12	0	19.85	19.71	19.88						
5	16QAM	12	13	19.79	19.84	19.59	19.5	3				
5	16QAM	25	0	19.81	19.84	19.65						
5	256QAM	1	0	17.01	18.93	17.10						
5	256QAM	1	12	17.07	17.02	17.10	17.5	5				
5	256QAM	1	24	16.94	16.87	16.94						
5	256QAM	12	0	16.84	16.88	16.87						
5	256QAM	12	7	17.00	16.92	16.95	17.5	5				
5	256QAM	12	13	16.87	16.88	16.88						
5	256QAM	25	0	16.78	16.78	16.71						
Channel												
Frequency (MHz)												
3	QPSK	1	0	21.79	21.68	21.43	22.5	0				
3	QPSK	1	8	21.57	21.74	21.54						
3	QPSK	1	14	21.70	21.89	21.57						
3	QPSK	8	0	20.64	20.70	20.56	21.5	1				
3	QPSK	8	4	20.49	20.77	20.55						
3	QPSK	8	7	20.76	20.64	20.53						
3	16QAM	1	0	20.72	20.74	20.60	21.5	1				
3	16QAM	1	8	20.71	20.80	20.67						
3	16QAM	1	8	20.77	20.70	20.47						
3	16QAM	8	0	19.61	19.76	19.36	20.5	2				
3	16QAM	8	0	19.66	19.88	19.51						
3	16QAM	8	4	19.73	19.73	19.57						
3	16QAM	8	7	19.76	19.81	19.62	19.5	3				
3	16QAM	16	0	19.70	19.94	19.60						
3	16QAM	1	0	19.82	19.76	19.59						
3	16QAM	1	14	19.78	19.89	19.67	20.5	2				
3	16QAM	1	14	19.83	19.78	19.62						
3	16QAM	8	4	19.76	19.80	19.55						
3	16QAM	8	7	19.84	19.74	19.55	19.5	3				
3	16QAM	15	0	19.81	19.86	19.60						
3	256QAM	1	0	16.90	17.00	17.03						
3	256QAM	1	8	17.01	17.06	17.07	17.5	5				
3	256QAM	1	14	16.98	16.91	16.91						
3	256QAM	8	0	17.00	17.05	17.08						
3	256QAM	8	4	17.05	17.03	17.00	17.5	5				
3	256QAM	8	7	16.89	17.05	16.88						
3	256QAM	15	0	16.78	16.79	16.81						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	21.54	21.52	21.67	22.5	0				
1.4	QPSK	1	3	21.51	21.71	21.53						
1.4	QPSK	1	5	21.71	21.68	21.59						
1.4	QPSK	3	0	21.69	21.70	21.66	21.5	1				
1.4	QPSK	3	1	21.53	21.71	21.65						
1.4	QPSK	3	3	21.70	21.67	21.48						
1.4	16QAM	1	0	20.60	20.70	20.56	21.5	1				
1.4	16QAM	1	0	20.77	20.73	20.63						
1.4	16QAM	1	3	20.74	20.70	20.51						
1.4	16QAM	1	5	20.69	20.75	20.42	20.5	2				
1.4	16QAM	3	0	20.67	20.83	20.57						
1.4	16QAM	3	1	20.77	20.77	20.60						
1.4	16QAM	3	3	20.78	20.74	20.81	20.5	2				
1.4	16QAM	6	0	19.69	19.88	19.54						
1.4	16QAM	1	0	19.83	19.80	19.61	20.5	2				
1.4	16QAM	1	3	19.68	19.82	19.53						
1.4	16QAM	1	6	19.76	19.88	19.83						
1.4	16QAM	3	0	19.71	19.75	19.68	19.5	3				
1.4	16QAM	3	1	19.85	19.87	19.48						
1.4	16QAM	3	3	19.64	19.82	19.81						
1.4	16QAM	6	0	19.89	19.83	19.59	19.5	3				
1.4	256QAM	1	0	17.08	17.03	17.05						
1.4	256QAM	1	3	17.02	17.04	17.07						
1.4	256QAM	1	5	16.93	16.96	16.87	17.5	5				
1.4	256QAM	3	0	16.93	17.09	17.03						
1.4	256QAM	3	1	17.03	16.97	17.03						
1.4	256QAM	3	3	16.90	17.06	16.97	17.5	5				
1.4	256QAM	6	0	16.88	16.77	16.77						

Band 13 Ant1 Hotspot-ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up Int. (s/m)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.66	21.66	21.66	22.5	0	
10	QPSK	1	25	21.66	21.66	21.66			
10	QPSK	1	49	21.60	21.60	21.60			
10	QPSK	25	0	20.44	20.44	20.44	21.5		
10	QPSK	25	12	20.31	20.31	20.31	21.5		
10	QPSK	25	37	20.40	20.40	20.40			
10	QPSK	25	62	20.41	20.41	20.41			
10	16QAM	1	0	20.42	20.42	20.42	21.5		
10	16QAM	1	25	20.42	20.42	20.42			
10	16QAM	1	49	20.42	20.42	20.42			
10	16QAM	25	0	19.26	19.26	19.26	20.5	2	
10	16QAM	25	12	19.32	19.32	19.32			
10	16QAM	25	37	19.38	19.38	19.38			
10	16QAM	50	0	18.20	18.20	18.20	20.5	2	
10	16QAM	50	25	18.23	18.23	18.23			
10	16QAM	50	49	18.24	18.24	18.24			
10	16QAM	1	25	19.33	19.33	19.33	20.5	2	
10	16QAM	1	49	19.34	19.34	19.34			
10	16QAM	1	73	19.34	19.34	19.34			
10	16QAM	25	12	18.24	18.24	18.24	19.5	3	
10	16QAM	25	37	18.22	18.22	18.22			
10	16QAM	25	62	18.24	18.24	18.24			
10	256QAM	1	0	16.83	16.83	16.83	17.5	5	
10	256QAM	1	25	16.88	16.88	16.88			
10	256QAM	1	49	16.91	16.91	16.91			
10	256QAM	25	0	16.60	16.60	16.60	17.5	5	
10	256QAM	25	12	16.55	16.55	16.55			
10	256QAM	25	37	16.58	16.58	16.58			
10	256QAM	50	0	16.45	16.45	16.45	17.5	5	
10	256QAM	50	25	16.45	16.45	16.45			
10	256QAM	50	49	16.45	16.45	16.45			
Channel				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up Int. (s/m)	MPR (dB)	
Frequency (MHz)				779.5	779.5	779.5			
5	QPSK	1	0	21.48	21.48	21.48	22.5	0	
5	QPSK	1	12	21.18	21.18	21.18			
5	QPSK	1	24	21.08	21.08	21.08			
5	QPSK	12	0	20.30	20.30	20.30	21.5		
5	QPSK	12	6	20.10	20.17	20.18			
5	QPSK	12	12	20.15	20.15	20.15			
5	QPSK	12	18	20.24	20.31	20.31	21.5		
5	16QAM	1	0	20.14	20.30	20.15			
5	16QAM	1	24	20.40	20.40	20.38			
5	16QAM	1	24	20.27	20.38	20.34	21.5		
5	16QAM	12	0	19.20	19.22	19.14			
5	16QAM	12	6	19.26	19.22	19.16			
5	16QAM	12	18	19.16	19.13	19.05	20.5	2	
5	16QAM	12	24	18.99	19.14	19.02			
5	16QAM	12	30	19.08	19.11	19.03			
5	16QAM	1	12	19.17	19.25	19.15	20.5	2	
5	16QAM	1	24	19.07	19.25	19.20			
5	16QAM	1	36	19.23	19.34	19.17			
5	16QAM	12	7	19.11	19.20	19.08	19.5	3	
5	16QAM	12	13	18.80	18.14	18.82			
5	16QAM	12	19	18.16	18.21	18.12			
5	256QAM	1	0	16.63	16.56	16.62	17.5	5	
5	256QAM	1	12	16.87	16.62	16.88			
5	256QAM	1	24	16.54	16.54	16.43			
5	256QAM	12	0	15.88	15.67	15.83	17.5	5	
5	256QAM	12	6	16.60	16.58	16.64			
5	256QAM	12	12	16.61	16.61	16.61			
5	256QAM	1	0	16.43	16.44	16.38	17.5	5	
5	256QAM	1	12	16.43	16.44	16.38			
5	256QAM	1	24	16.43	16.44	16.38			



Band 25 Ant1 Hotspot-ENDC																		
BW (MHz)	Modulation	PRB Size	PRB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on Int. (sec)	MPE (dB)										
Channel																		
Frequency (MHz)																		
20	QPSK	1	0	12.45	12.61	12.40	14	0										
20	QPSK	1	48	12.36	12.50	12.38												
20	QPSK	1	96	12.28	12.42	12.33												
20	QPSK	50	0	11.41	11.61	11.45												
20	QPSK	50	24	11.45	11.55	11.31	13	1										
20	QPSK	50	50	11.29	11.46	11.45												
20	QPSK	100	0	11.35	11.53	11.41												
20	QPSK	100	0	11.37	11.53	11.24												
20	16QAM	1	49	11.33	11.50	11.53	13	1										
20	16QAM	1	99	11.41	11.52	11.39												
20	16QAM	50	0	10.42	10.51	10.47												
20	16QAM	50	24	10.51	10.53	10.25												
20	16QAM	100	0	10.26	10.51	10.41	12	2										
20	16QAM	100	0	10.33	10.52	10.39												
20	16QAM	1	0	10.45	10.49	10.31												
20	16QAM	1	49	10.41	10.51	10.46												
20	16QAM	50	0	10.32	10.50	10.45	11	3										
20	16QAM	50	0	10.26	10.46	10.27												
20	16QAM	50	24	9.38	9.45	9.31												
20	16QAM	50	50	9.48	9.49	9.47												
20	256QAM	1	49	7.71	7.70	7.66	9	5										
20	256QAM	1	99	7.60	7.48	7.53												
20	256QAM	50	0	7.55	7.56	7.49												
20	256QAM	50	24	7.66	7.59	7.54												
20	256QAM	50	50	7.48	7.56	7.55	9	5										
20	256QAM	100	0	7.50	7.56	7.55												
20	256QAM	100	0	7.50	7.56	7.55												
20	256QAM	100	0	7.47	7.59	7.59			Turn-on Int. (sec)									
Channel																		
Frequency (MHz)																		
15	QPSK	1	0	12.41	12.55	12.38	14	0										
15	QPSK	1	48	12.35	12.43	12.28												
15	QPSK	1	74	12.34	12.46	12.23												
15	QPSK	36	0	11.38	11.56	11.32												
15	QPSK	36	0	11.37	11.42	11.22	13	1										
15	QPSK	36	36	11.16	11.42	11.32												
15	QPSK	75	0	11.30	11.44	11.29												
15	16QAM	1	0	11.27	11.41	11.18												
15	16QAM	1	37	11.28	11.46	11.43	13	1										
15	16QAM	1	74	11.26	11.44	11.25												
15	16QAM	36	0	10.37	10.45	10.35												
15	16QAM	36	20	10.43	10.48	10.12												
15	16QAM	36	20	10.38	10.46	10.18	12	2										
15	16QAM	75	0	10.30	10.48	10.31												
15	16QAM	1	0	10.38	10.44	10.17												
15	16QAM	1	49	10.30	10.46	10.31												
15	16QAM	36	0	9.19	9.41	9.15	11	3										
15	16QAM	36	20	9.32	9.40	9.19												
15	16QAM	36	36	9.40	9.41	9.35												
15	16QAM	75	0	9.18	9.42	9.38												
15	256QAM	1	49	7.63	7.54	7.53	9	5										
15	256QAM	1	74	7.55	7.49	7.48												
15	256QAM	50	0	7.58	7.49	7.48												
15	256QAM	50	24	7.54	7.51	7.51												
15	256QAM	50	50	7.41	7.54	7.49	9	5										
15	256QAM	75	0	7.44	7.43	7.42												
15	256QAM	75	0	7.44	7.43	7.42			Turn-on Int. (sec)									
Channel																		
Frequency (MHz)																		
10	QPSK	1	0	12.38	12.45	12.38			14	0								
10	QPSK	1	25	12.38	12.44	12.25												
10	QPSK	1	49	12.31	12.45	12.28												
10	QPSK	25	0	11.36	11.53	11.31												
10	QPSK	25	12	11.38	11.45	11.25	13	1										
10	QPSK	25	25	11.17	11.32	11.34												
10	QPSK	100	0	11.30	11.46	11.27												
10	16QAM	1	0	11.24	11.38	11.15												
10	16QAM	1	25	11.35	11.48	11.48	13	1										
10	16QAM	1	49	11.26	11.44	11.43												
10	16QAM	25	0	10.34	10.48	10.33												
10	16QAM	25	12	10.38	10.39	10.18												
10	16QAM	25	25	10.36	10.42	10.18	12	2										
10	16QAM	50	0	10.24	10.49	10.33												
10	16QAM	1	0	10.33	10.38	10.18												
10	16QAM	1	49	10.38	10.42	10.34												
10	16QAM	1	49	10.48	10.54	10.31	11	3										
10	16QAM	25	0	9.11	9.41	9.24												
10	16QAM	25	25	9.22	9.35	9.24												
10	16QAM	25	25	9.37	9.45	9.39												
10	16QAM	50	0	9.20	9.42	9.36	9	5										
10	256QAM	1	49	7.60	7.58	7.58												
10	256QAM	1	25	7.70	7.64	7.70												
10	256QAM	1	49	7.52	7.52	7.49												
10	256QAM	25	0	7.58	7.56	7.55	9	5										
10	256QAM	25	12	7.57	7.60	7.58												
10	256QAM	25	25	7.57	7.57	7.49												
10	256QAM	50	0	7.48	7.53	7.41			Turn-on Int. (sec)									
Channel																		
Frequency (MHz)																		
5	QPSK	1	0	12.33	12.35	12.28	14	0										
5	QPSK	1	12	12.28	12.35	12.28												
5	QPSK	1	24	12.35	12.45	12.22												
5	QPSK	12	0	11.36	11.52	11.33												
5	QPSK	12	7	11.35	11.48	11.17	13	1										
5	QPSK	12	13	11.14	11.34	11.35												
5	QPSK	25	0	11.28	11.38	11.28												
5	16QAM	1	0	11.26	11.48	11.18												
5	16QAM	1	12	11.23	11.43	11.47	13	1										
5	16QAM	1	24	11.37	11.47	11.31												
5	16QAM	12	0	10.39	10.47	10.14												
5	16QAM	12	12	10.36	10.42	10.14												
5	16QAM	12	12	10.32	10.38	10.25	12	2										
5	16QAM	25	0	10.19	10.46	10.35												
5	16QAM	1	0	10.28	10.35	10.20												
5	16QAM	1	12	10.26	10.42	10.24												
5	16QAM	1	24	10.46	10.44	10.37	12	2										
5	16QAM	1	48	10.35	10.42	10.18												
5	16QAM	12	7	9.25	9.35	9.24												
5	16QAM	12	13	9.40	9.34	9.34												
5	16QAM	25	0	9.14	9.33	9.14	11	3										
5	256QAM	1	0	7.68	7.57	7.66												
5	256QAM	1	12	7.69	7.57	7.69												
5	256QAM	1	24	7.68	7.57	7.68												
5	256QAM	12	0	7.65	7.53	7.65	9	5										
5	256QAM	12	7	7.60	7.57	7.57												
5	256QAM	12	13	7.60	7.57	7.53												
5	256QAM	25	0	7.43	7.38	7.41												
Channel																		
Frequency (MHz)																		
3	QPSK	1	0	12.40	12.53	12.36	14	0										
3	QPSK	1	8	12.27	12.40	12.28												
3	QPSK	1	16	12.26	12.42	12.28												
3	QPSK	8	0	11.27	11.52	11.33												
3	QPSK	8	4	11.30	11.48	11.19	13	1										
3	QPSK	8	12	11.29	11.36	11.21												
3	QPSK	16	0	11.23	11.38	11.29												
3	16QAM	1	0	11.33	11.39	11.14												
3	16QAM	1	8	11.30	11.42	11.36	13	1										
3	16QAM	1	16	11.32	11.42	11.36												
3	16QAM	8	0	10.42	10.45	10.17												
3	16QAM	8	4	10.42	10.45	10.17												
3	16QAM	8	7	10.12	10.37	10.29	12	2										
3	16QAM	16	0	10.42	10.45	10.35												
3	16QAM	1	0	10.39	10.41	10.26												
3	16QAM	1	8	10.35	10.42	10.37												
3	16QAM	8	0	9.15	9.40	9.15	11	3										
3	16QAM	8	4	9.26	9.32	9.19												
3	16QAM	8	7	9.35	9.35	9.30												
3	16QAM	16	0	9.19	9.47	9.30												
3	256QAM	1	0	7.68	7.57	7.64	9	5										
3	256QAM	1	8	7.69	7.57	7.69												
3	256QAM	1	16	7.68	7.54	7.68												
3	256QAM	1	14	7.51	7.46	7.51												
3	256QAM	8	0	7.63	7.51	7.60	9	5										
3	256QAM	8	4	7.63	7.51	7.56												
3	256QAM	8	7	7.51	7.58	7.49												
3	256QAM	16	0	7.41	7.47	7.44												
Channel																		
Frequency (MHz)																		
1.4	QPSK	1	0	12.38	12.51	12.38	14	0										
1.4	QPSK	1	0	12.38	12.51	12.38												
1.4	QPSK	1	5	12.32	12.52	12.23												
1.4	QPSK	1	5	12.35	12.48	12.37												
1.4	QPSK	1	5	12.37	12.42	12.37	13	1										
1.4	QPSK	3	0	12.17	12.36	12.32												
1.4	QPSK	3	3	12.17	12.36	12.32												
1.4	QPSK	3	3	12.17	12.36	12.32												
1.4	QPSK	1	3	11.23	11.38	11.58	13	1										
1.4	QPSK	1	3	11.31	11.42	11.31												
1.4	QPSK	3	0	11.38	11.43	11.40												
1.4	QPSK	3	3	11.36	11.47	11.41												
1.4	16QAM	1	3	11.11	11.47	11.34	12	2										
1.4	16QAM	1	3	11.28	11.38	11.38												
1.4	16QAM	1	0	10.35	10.43	10.18												
1.4	16QAM	1	0	10.42	10.43	10.18												
1.4	16QAM	1	0	10.42	10.47	10.32	12	2										
1.4	16QAM	3	0	10.23	10.35	10.16												
1.4	16QAM	3	0	10.23	10.35	10.20												
1.4	16QAM	3	0	10.21	10.35	10.42												
1.4	16QAM	3	0	8.20	9.45	9.23	11	3										
1.4	16QAM	3	0	8.20	9.45	9.23												
1.4	16QAM	3	0	8.20	9.45	9.23												
1.4	16QAM	3	0	7.60	7.66	7.63												
1.4	256QAM	1	3	7.60	7.56	7.53	9	5										
1.4	256QAM	1																

Band 48 Ant3 Hotspot-ENDC										
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				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	14.18	14.36	14.16	14.24	15	0	
20	QPSK	1	49	14.06	14.26	14.13	14.11			
20	QPSK	1	99	14.12	14.31	14.06	14.26			
20	QPSK	50	0	13.13	13.33	13.03	13.31			
20	QPSK	50	24	13.11	13.24	13.19	13.30	14	1	
20	QPSK	50	50	13.14	13.30	13.05	13.20			
20	QPSK	100	0	13.07	13.24	13.07	13.21			
20	16QAM	1	0	13.20	13.33	13.24	13.27			
20	16QAM	1	49	13.12	13.29	13.11	13.19	14	1	
20	16QAM	1	99	13.06	13.34	13.11	13.21			
20	16QAM	50	0	12.15	12.22	12.11	12.12			
20	16QAM	50	24	12.10	12.14	12.14	12.20			
20	16QAM	50	50	12.09	12.34	12.02	12.21	13	2	
20	16QAM	100	0	12.24	12.31	12.28	12.29			
20	64QAM	1	0	12.17	12.29	12.04	12.14			
20	64QAM	1	49	12.01	12.31	12.02	12.14			
20	64QAM	1	99	12.27	12.31	11.98	12.06	13	2	
20	64QAM	50	0	11.15	11.26	11.03	11.29			
20	64QAM	50	24	11.09	11.29	11.15	11.07			
20	64QAM	50	50	11.04	11.19	11.14	11.22			
20	64QAM	100	0	11.27	11.28	11.20	11.33	12	3	
20	256QAM	1	0	9.38	9.32	9.37	9.29			
20	256QAM	1	49	9.37	9.36	9.35	9.31			
20	256QAM	1	99	9.29	9.17	9.27	9.19			
20	256QAM	50	0	9.29	9.29	9.31	9.34	10	5	
20	256QAM	50	24	9.24	9.31	9.34	9.24			
20	256QAM	50	50	9.27	9.36	9.23	9.30			
20	256QAM	100	0	9.16	9.17	9.07	9.16			
Channel				55315	55820	56160	56665	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3557.5	3606	3642	3692.5			
15	QPSK	1	0	14.11	14.29	14.04	14.11	15	0	
15	QPSK	1	37	13.96	14.12	14.05	13.98			
15	QPSK	1	74	14.00	14.18	13.95	14.16			
15	QPSK	36	0	13.06	13.19	12.96	13.17			
15	QPSK	36	20	13.05	13.13	13.10	13.24	14	1	
15	QPSK	36	39	13.00	13.22	12.91	13.15			
15	QPSK	75	0	12.96	13.13	13.00	13.13			
15	16QAM	1	0	13.08	13.28	13.15	13.19			
15	16QAM	1	37	13.04	13.25	13.01	13.13	14	1	
15	16QAM	1	74	12.99	13.28	13.08	13.18			
15	16QAM	36	0	12.09	12.11	12.05	12.02			
15	16QAM	36	20	12.06	12.07	12.10	12.09			
15	16QAM	36	39	11.96	12.20	11.88	12.13	13	2	
15	16QAM	75	0	12.16	12.17	12.25	12.16			
15	64QAM	1	0	12.06	12.26	11.97	12.09			
15	64QAM	1	37	11.88	12.18	11.89	12.02			
15	64QAM	1	74	12.19	12.24	11.95	12.02	13	2	
15	64QAM	36	0	11.04	11.15	10.92	11.18			
15	64QAM	36	20	11.06	11.17	11.11	11.03			
15	64QAM	36	39	10.97	11.11	11.06	11.11			
15	64QAM	75	0	11.22	11.17	11.16	11.27	12	3	
15	256QAM	1	0	9.27	9.25	9.36	9.27			
15	256QAM	1	37	9.37	9.31	9.39	9.37			
15	256QAM	1	74	9.20	9.20	9.29	9.19			
15	256QAM	36	0	9.25	9.37	9.22	9.35	10	5	
15	256QAM	36	20	9.29	9.29	9.34	9.31			
15	256QAM	36	39	9.18	9.36	9.21	9.35			
15	256QAM	75	0	9.07	9.13	9.10	9.13			
Channel				55290	55815	56165	56690	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	14.07	14.30	14.10	14.11	15	0	
10	QPSK	1	25	13.99	14.22	14.10	14.05			
10	QPSK	1	49	14.05	14.19	14.01	14.21			
10	QPSK	25	0	13.02	13.20	12.91	13.27			
10	QPSK	25	12	12.98	13.20	13.06	13.21	14	1	
10	QPSK	25	25	13.08	13.16	12.95	13.08			
10	QPSK	50	0	12.95	13.09	12.96	13.15			
10	16QAM	1	0	13.08	13.27	13.10	13.14			
10	16QAM	1	25	13.09	13.15	13.08	13.14	14	1	
10	16QAM	1	49	12.97	13.28	12.97	13.14			
10	16QAM	25	0	12.02	12.11	12.06	12.08			
10	16QAM	25	12	11.99	12.06	12.03	12.09			
10	16QAM	25	25	12.05	12.22	11.98	12.18	13	2	
10	16QAM	50	0	12.09	12.25	12.13	12.23			
10	64QAM	1	0	12.10	12.16	11.97	12.03			
10	64QAM	1	25	11.91	12.21	11.89	12.04			
10	64QAM	1	49	12.23	12.18	11.92	12.00	13	2	
10	64QAM	25	0	11.11	11.19	10.92	11.25			
10	64QAM	25	12	11.00	11.14	11.05	10.94			
10	64QAM	25	25	10.93	11.16	11.06	11.18			
10	64QAM	50	0	11.13	11.20	11.05	11.22	12	3	
10	256QAM	1	0	9.33	9.33	9.33	9.22			
10	256QAM	1	25	9.36	9.39	9.39	9.34			
10	256QAM	1	49	9.22	9.17	9.27	9.24			
10	256QAM	25	0	9.25	9.40	9.23	9.36	10	5	
10	256QAM	25	12	9.24	9.29	9.31	9.27			
10	256QAM	25	25	9.23	9.27	9.24	9.26			
10	256QAM	50	0	9.13	9.13	9.17	9.07			
Channel				55265	55810	56170	56715	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	14.11	14.30	14.08	14.12	15	0	
5	QPSK	1	12	13.92	14.14	14.05	14.05			
5	QPSK	1	24	14.03	14.20	14.01	14.20			
5	QPSK	12	0	13.09	13.28	12.95	13.26			
5	QPSK	12	7	13.03	13.10	13.07	13.21	14	1	
5	QPSK	12	13	13.07	13.17	12.93	13.14			
5	QPSK	25	0	12.94	13.11	12.96	13.08			
5	16QAM	1	0	13.12	13.30	13.16	13.18			
5	16QAM	1	12	13.09	13.23	12.96	13.12	14	1	
5	16QAM	1	24	13.00	13.20	12.98	13.14			
5	16QAM	12	0	12.01	12.08	12.06	12.09			
5	16QAM	12	7	11.98	12.00	12.11	12.11			
5	16QAM	12	13	12.02	12.24	11.97	12.08	13	2	
5	16QAM	25	0	12.13	12.18	12.24	12.23			
5	64QAM	1	0	12.09	12.24	11.91	12.06			
5	64QAM	1	12	11.91	12.20	11.90	12.07			
5	64QAM	1	24	12.22	12.17	11.84	11.94	12	3	
5	64QAM	12	0	11.10	11.19	10.93	11.25			
5	64QAM	12	7	10.99	11.22	11.02	10.98			
5	64QAM	12	13	10.92	11.07	11.02	11.14			
5	64QAM	25	0	11.20	11.17	11.10	11.20	12	3	
5	256QAM	1	0	9.31	9.29	9.27	9.31			
5	256QAM	1	12	9.34	9.36	9.37	9.32			
5	256QAM	1	24	9.31	9.27	9.30	9.16			
5	256QAM	12	0	9.31	9.37	9.25	9.33	10	5	

Band 48 Ant4 Hotspot-ENDC										
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				55340	55830	56160	56660			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	14.47	14.53	14.37	14.36	15.2	0	
20	QPSK	1	49	14.40	14.39	14.20	14.23			
20	QPSK	1	99	14.42	14.33	14.47	14.31			
20	QPSK	50	0	13.46	13.49	13.40	13.21			
20	QPSK	50	24	13.47	13.32	13.30	13.17	14.2	1	
20	QPSK	50	50	13.32	13.38	13.45	13.16			
20	QPSK	100	0	13.31	13.43	13.34	13.41			
20	16QAM	1	0	13.50	13.43	13.12	13.27			
20	16QAM	1	49	13.34	13.41	13.50	13.32	14.2	1	
20	16QAM	1	99	13.46	13.34	13.32	13.39			
20	16QAM	50	0	12.50	12.42	12.28	12.43			
20	16QAM	50	24	12.47	12.44	12.25	12.17			
20	16QAM	50	50	12.36	12.35	12.42	12.33	13.2	2	
20	16QAM	100	0	12.61	12.48	12.30	12.32			
20	64QAM	1	0	12.47	12.49	12.49	12.44			
20	64QAM	1	49	12.39	12.25	12.16	12.22			
20	64QAM	1	99	12.43	12.46	12.41	12.24	13.2	2	
20	64QAM	50	0	11.43	11.43	11.29	11.27			
20	64QAM	50	24	11.39	11.29	11.16	11.32			
20	64QAM	50	50	11.48	11.47	11.49	11.39			
20	64QAM	100	0	11.37	11.54	11.40	11.35	12.2	3	
20	256QAM	1	0	9.50	9.43	9.53	9.49			
20	256QAM	1	49	9.59	9.56	9.59	9.54			
20	256QAM	1	99	9.40	9.38	9.47	9.46			
20	256QAM	50	0	9.46	9.51	9.43	9.55	10.2	5	
20	256QAM	50	24	9.46	9.45	9.55	9.48			
20	256QAM	50	50	9.46	9.46	9.39	9.46			
20	256QAM	100	0	9.32	9.30	9.38	9.38			
Channel				55315	55820	56160	56665	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3557.5	3606	3642	3692.5			
15	QPSK	1	0	14.40	14.44	14.24	14.31	15.2	0	
15	QPSK	1	37	14.28	14.29	14.12	14.19			
15	QPSK	1	74	14.28	14.30	14.42	14.21			
15	QPSK	36	0	13.31	13.44	13.27	13.13			
15	QPSK	36	20	13.39	13.26	13.14	13.11	14.2	1	
15	QPSK	36	39	13.27	13.32	13.34	13.02			
15	QPSK	75	0	13.20	13.36	13.30	13.29			
15	16QAM	1	0	13.41	13.30	13.10	13.23			
15	16QAM	1	37	13.25	13.26	13.43	13.27	14.2	1	
15	16QAM	1	74	13.42	13.27	13.23	13.26			
15	16QAM	36	0	12.38	12.33	12.21	12.34			
15	16QAM	36	20	12.43	12.29	12.16	12.11			
15	16QAM	36	39	12.32	12.30	12.38	12.25	13.2	2	
15	16QAM	75	0	12.57	12.34	12.22	12.23			
15	64QAM	1	0	12.34	12.45	12.39	12.33			
15	64QAM	1	37	12.33	12.16	12.11	12.15			
15	64QAM	1	74	12.40	12.33	12.26	12.14	13.2	2	
15	64QAM	36	0	11.28	11.33	11.18	11.17			
15	64QAM	36	20	11.29	11.19	11.09	11.17			
15	64QAM	36	39	11.37	11.41	11.44	11.29			
15	64QAM	75	0	11.29	11.48	11.32	11.28	12.2	3	
15	256QAM	1	0	9.52	9.54	9.48	9.50			
15	256QAM	1	37	9.59	9.52	9.51	9.60			
15	256QAM	1	74	9.48	9.40	9.42	9.43			
15	256QAM	36	0	9.45	9.52	9.51	9.53	10.2	5	
15	256QAM	36	20	9.51	9.44	9.54	9.42			
15	256QAM	36	39	9.42	9.53	9.41	9.48			
15	256QAM	75	0	9.35	9.30	9.31	9.38			
Channel				55290	55815	56165	56690	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3555	3607.5	3642.5	3696			
10	QPSK	1	0	14.33	14.41	14.26	14.26	15.2	0	
10	QPSK	1	25	14.33	14.33	14.12	14.13			
10	QPSK	1	49	14.36	14.23	14.36	14.26			
10	QPSK	25	0	13.42	13.42	13.29	13.13			
10	QPSK	25	12	13.34	13.23	13.14	13.07	14.2	1	
10	QPSK	25	25	13.27	13.25	13.35	13.03			
10	QPSK	50	0	13.21	13.30	13.20	13.31			
10	16QAM	1	0	13.39	13.38	13.02	13.14			
10	16QAM	1	25	13.28	13.32	13.37	13.18	14.2	1	
10	16QAM	1	49	13.42	13.30	13.23	13.31			
10	16QAM	25	0	12.38	12.28	12.19	12.32			
10	16QAM	25	12	12.43	12.33	12.19	12.05			
10	16QAM	25	25	12.28	12.20	12.39	12.22	13.2	2	
10	16QAM	50	0	12.55	12.38	12.22	12.23			
10	64QAM	1	0	12.37	12.40	12.38	12.35			
10	64QAM	1	25	12.35	12.20	12.04	12.09			
10	64QAM	1	49	12.38	12.35	12.26	12.16	13.2	2	
10	64QAM	25	0	11.36	11.35	11.18	11.20			
10	64QAM	25	12	11.31	11.18	11.07	11.26			
10	64QAM	25	25	11.34	11.36	11.45	11.24			
10	64QAM	50	0	11.22	11.42	11.37	11.28	12.2	3	
10	256QAM	1	0	9.52	9.50	9.50	9.51			
10	256QAM	1	25	9.63	9.60	9.62	9.55			
10	256QAM	1	49	9.39	9.36	9.42	9.37			
10	256QAM	25	0	9.48	9.52	9.45	9.56	10.2	5	
10	256QAM	25	12	9.54	9.44	9.46	9.44			
10	256QAM	25	25	9.44	9.54	9.38	9.56			
10	256QAM	50	0	9.32	9.29	9.34	9.31			
Channel				55265	55810	56170	56715	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	14.35	14.46	14.24	14.29	15.2	0	
5	QPSK	1	12	14.27	14.29	14.11	14.10			
5	QPSK	1	24	14.30	14.23	14.35	14.17			
5	QPSK	12	0	13.35	13.46	13.30	13.09			
5	QPSK	12	7	13.33	13.25	13.10	13.10	14.2	1	
5	QPSK	12	13	13.24	13.30	13.37	13.06			
5	QPSK	25	0	13.23	13.38	13.28	13.28			
5	16QAM	1	0	13.45	13.29	13.09	13.17			
5	16QAM	1	12	13.24	13.37	13.41	13.24	14.2	1	
5	16QAM	1	24	13.35	13.21	13.25	13.34			
5	16QAM	12	0	12.41	12.30	12.19	12.30			
5	16QAM	12	7	12.41	12.30	12.11	12.04			
5	16QAM	12	13	12.25	12.25	12.28	12.26	13.2	2	
5	16QAM	25	0	12.51	12.39	12.23	12.21			
5	64QAM	1	0	12.44	12.41	12.42	12.37			
5	64QAM	1	12	12.36	12.16	12.13	12.12			
5	64QAM	1	24	12.36	12.38	12.38	12.17	13.2	2	
5	64QAM	12	0	11.38	11.30	11.19	11.23			
5	64QAM	12	7	11.34	11.16	11.04	11.29			
5	64QAM	12	13	11.39	11.36	11.44	11.30			
5	64QAM	25	0	11.24	11.49	11.27	11.25	12.2	3	
5	256QAM	1	0	9.58	9.49	9.51	9.46			
5	256QAM	1	12	9.62	9.60	9.57	9.51			
5	256QAM	1	24	9.40	9.40	9.48	9.39			
5	256QAM	12	0	9.52	9.53	9.51	9.59	10.2	5	
5	256QAM	12	7	9.51	9.45	9.45	9.50			
5	256QAM	12	13	9.47	9.49	9.45	9.57			
5	256QAM	25	0	9.37	9.27	9.30	9.30			

Band 48 Ant5 Hotspot-ENDC										
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				55340	55830	56160	56650			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	14.68	14.76	14.80	14.52	15.4	0	
20	QPSK	1	49	14.69	14.74	14.58	14.39			
20	QPSK	1	99	14.55	14.66	14.54	14.55			
20	QPSK	50	0	13.65	13.76	13.67	13.49			
20	QPSK	50	24	13.71	13.73	13.67	13.46	14.4	1	
20	QPSK	50	50	13.47	13.62	13.54	13.63			
20	QPSK	100	0	13.63	13.64	13.56	13.58			
20	16QAM	1	0	13.72	13.70	13.62	13.54			
20	16QAM	1	49	13.67	13.80	13.54	13.54	14.4	1	
20	16QAM	1	99	13.59	13.80	13.63	13.58			
20	16QAM	50	0	12.51	12.76	12.56	12.68			
20	16QAM	50	24	12.59	12.78	12.63	12.62			
20	16QAM	50	50	12.58	12.75	12.41	12.56	13.4	2	
20	16QAM	100	0	12.61	12.84	12.62	12.56			
20	64QAM	1	0	12.63	12.79	12.77	12.50			
20	64QAM	1	49	12.75	12.68	12.71	12.55			
20	64QAM	1	99	12.55	12.75	12.59	12.56	13.4	2	
20	64QAM	50	0	11.55	11.76	11.73	11.67			
20	64QAM	50	24	11.60	11.76	11.66	11.47			
20	64QAM	50	50	11.67	11.77	11.50	11.51			
20	64QAM	100	0	11.66	11.68	11.53	11.45	12.4	3	
20	256QAM	1	0	9.72	9.64	9.72	9.63			
20	256QAM	1	49	9.74	9.79	9.78	9.72			
20	256QAM	1	99	9.64	9.61	9.65	9.56			
20	256QAM	50	0	9.69	9.71	9.63	9.76	10.4	5	
20	256QAM	50	24	9.69	9.66	9.75	9.71			
20	256QAM	50	50	9.58	9.69	9.64	9.66			
20	256QAM	100	0	9.57	9.54	9.54	9.59			
Channel				55315	55820	56160	56665	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3557.5	3606	3642	3692.5			
15	QPSK	1	0	14.56	14.68	14.46	14.46	15.4	0	
15	QPSK	1	37	14.64	14.69	14.53	14.26			
15	QPSK	1	74	14.40	14.61	14.44	14.50			
15	QPSK	36	0	13.60	13.71	13.58	13.43			
15	QPSK	36	20	13.61	13.63	13.61	13.34	14.4	1	
15	QPSK	36	39	13.42	13.50	13.46	13.54			
15	QPSK	75	0	13.49	13.55	13.44	13.51			
15	16QAM	1	0	13.61	13.63	13.49	13.40			
15	16QAM	1	37	13.64	13.67	13.46	13.45	14.4	1	
15	16QAM	1	74	13.47	13.73	13.59	13.50			
15	16QAM	36	0	12.47	12.71	12.46	12.55			
15	16QAM	36	20	12.51	12.64	12.56	12.52			
15	16QAM	36	39	12.50	12.70	12.31	12.52	13.4	2	
15	16QAM	75	0	12.57	12.73	12.59	12.47			
15	64QAM	1	0	12.52	12.72	12.70	12.41			
15	64QAM	1	37	12.67	12.56	12.60	12.46			
15	64QAM	1	74	12.49	12.67	12.50	12.46	13.4	2	
15	64QAM	36	0	11.40	11.72	11.63	11.54			
15	64QAM	36	20	11.49	11.71	11.56	11.37			
15	64QAM	36	39	11.64	11.69	11.46	11.36			
15	64QAM	75	0	11.56	11.56	11.49	11.31	12.4	3	
15	256QAM	1	0	9.76	9.70	9.77	9.70			
15	256QAM	1	37	9.76	9.81	9.75	9.73			
15	256QAM	1	74	9.63	9.59	9.61	9.55			
15	256QAM	36	0	9.63	9.66	9.63	9.74	10.4	5	
15	256QAM	36	20	9.70	9.63	9.71	9.64			
15	256QAM	36	39	9.65	9.70	9.61	9.65			
15	256QAM	75	0	9.47	9.57	9.48	9.51			
Channel				55290	55815	56165	56690	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3555	3607.5	3642.5	3696			
10	QPSK	1	0	14.63	14.61	14.45	14.47	15.4	0	
10	QPSK	1	25	14.54	14.60	14.55	14.35			
10	QPSK	1	49	14.51	14.60	14.42	14.40			
10	QPSK	25	0	13.58	13.64	13.61	13.45			
10	QPSK	25	12	13.59	13.63	13.61	13.42	14.4	1	
10	QPSK	25	25	13.33	13.55	13.45	13.52			
10	QPSK	50	0	13.50	13.56	13.51	13.46			
10	16QAM	1	0	13.66	13.60	13.49	13.40			
10	16QAM	1	25	13.57	13.65	13.41	13.44	14.4	1	
10	16QAM	1	49	13.52	13.65	13.50	13.48			
10	16QAM	25	0	12.46	12.70	12.48	12.61			
10	16QAM	25	12	12.53	12.68	12.55	12.54			
10	16QAM	25	25	12.52	12.61	12.26	12.51	13.4	2	
10	16QAM	50	0	12.57	12.72	12.57	12.53			
10	64QAM	1	0	12.56	12.64	12.70	12.40			
10	64QAM	1	25	12.60	12.60	12.59	12.47			
10	64QAM	1	49	12.49	12.66	12.49	12.45	13.4	2	
10	64QAM	25	0	11.49	11.64	11.67	11.60			
10	64QAM	25	12	11.54	11.68	11.57	11.43			
10	64QAM	25	25	11.60	11.68	11.45	11.42			
10	64QAM	50	0	11.61	11.61	11.43	11.32	12.4	3	
10	256QAM	1	0	9.77	9.63	9.67	9.62			
10	256QAM	1	25	9.75	9.73	9.76	9.81			
10	256QAM	1	49	9.66	9.63	9.63	9.61			
10	256QAM	25	0	9.70	9.71	9.74	9.75	10.4	5	
10	256QAM	25	12	9.66	9.65	9.70	9.71			
10	256QAM	25	25	9.63	9.74	9.59	9.71			
10	256QAM	50	0	9.55	9.47	9.53	9.54			
Channel				55265	55810	56170	56715	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	14.54	14.63	14.48	14.43	15.4	0	
5	QPSK	1	12	14.60	14.60	14.55	14.25			
5	QPSK	1	24	14.46	14.51	14.39	14.49			
5	QPSK	12	0	13.57	13.67	13.62	13.44			
5	QPSK	12	7	13.57	13.66	13.52	13.43	14.4	1	
5	QPSK	12	13	13.37	13.54	13.42	13.49			
5	QPSK	25	0	13.51	13.56	13.51	13.53			
5	16QAM	1	0	13.66	13.63	13.50	13.45			
5	16QAM	1	12	13.55	13.76	13.45	13.50	14.4	1	
5	16QAM	1	24	13.48	13.70	13.50	13.52			
5	16QAM	12	0	12.43	12.63	12.46	12.60			
5	16QAM	12	7	12.49	12.72	12.51	12.48			
5	16QAM	12	13	12.54	12.62	12.32	12.47	13.4	2	
5	16QAM	25	0	12.51	12.72	12.53	12.41			
5	64QAM	1	0	12.50	12.68	12.63	12.46			
5	64QAM	1	12	12.69	12.53	12.63	12.43			
5	64QAM	1	24	12.49	12.71	12.56	12.45	13.4	2	
5	64QAM	12	0	11.48	11.61	11.65	11.52			
5	64QAM	12	7	11.50	11.62	11.56	11.37			
5	64QAM	12	13	11.56	11.71	11.40	11.41			
5	64QAM	25	0	11.61	11.56	11.44	11.36	12.4	3	
5	256QAM	1	0	9.72	9.73	9.78	9.69			
5	256QAM	1	12	9.80	9.70	9.81	9.82			
5	256QAM	1	24	9.69	9.59	9.68	9.59			
5	256QAM	12	0	9.68	9.79	9.71	9.71	10.4	5	
5	256QAM	12	7	9.71	9.63	9.73	9.63			
5	256QAM	12	13	9.65	9.71	9.65	9.76			
5	256QAM	25	0	9.57	9.47	9.50	9.52			

Band 7 Ant6 Hotspot-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				20650	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	15.18	15.38	15.30	16.5	0		
20	QPSK	1	49	15.18	15.27	15.20				
20	QPSK	1	99	15.01	15.25	15.19				
20	QPSK	50	0	14.18	14.35	14.23	15.5	1		
20	QPSK	50	24	14.00	14.21	14.29				
20	QPSK	50	50	14.13	14.26	14.30				
20	QPSK	100	0	13.97	14.32	14.16	15.5	1		
20	16QAM	1	0	14.19	14.32	14.33				
20	16QAM	1	49	14.09	14.28	14.19				
20	16QAM	1	99	14.16	14.39	14.15	14.5	2		
20	16QAM	50	0	13.24	13.50	13.35				
20	16QAM	50	24	13.21	13.44	13.15				
20	16QAM	50	50	13.16	13.30	13.13	14.5	2		
20	16QAM	100	0	13.17	13.26	13.25				
20	64QAM	1	0	13.18	13.29	13.23	14.5	2		
20	64QAM	1	49	13.11	13.43	13.15				
20	64QAM	1	99	13.13	13.34	13.30				
20	64QAM	50	0	12.24	12.36	12.30	13.5	3		
20	64QAM	50	24	12.22	12.33	12.34				
20	64QAM	50	50	12.17	12.31	12.26				
20	64QAM	100	0	12.16	12.17	12.26	11.5	5		
20	256QAM	1	0	10.31	10.30	10.39				
20	256QAM	1	49	10.41	10.35	10.41				
20	256QAM	1	99	10.31	10.24	10.19	11.5	5		
20	256QAM	50	0	10.24	10.39	10.30				
20	256QAM	50	24	10.29	10.24	10.24				
20	256QAM	50	50	10.24	10.27	10.27	11.5	5		
20	256QAM	100	0	10.10	10.17	10.07				
Channel				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	15.12	15.35	15.22	16.5	0		
15	QPSK	1	37	15.06	15.21	15.14				
15	QPSK	1	74	14.96	15.12	15.05				
15	QPSK	36	0	14.13	14.27	14.09	15.5	1		
15	QPSK	36	20	13.94	14.08	14.21				
15	QPSK	36	39	14.00	14.12	14.22				
15	QPSK	75	0	13.92	14.27	14.06	15.5	1		
15	16QAM	1	0	14.12	14.24	14.24				
15	16QAM	1	37	14.01	14.22	14.08				
15	16QAM	1	74	14.02	14.30	14.09	14.5	2		
15	16QAM	36	0	13.14	13.40	13.20				
15	16QAM	36	20	13.07	13.38	13.06				
15	16QAM	36	39	13.03	13.15	13.05	14.5	2		
15	16QAM	75	0	13.12	13.17	13.17				
15	64QAM	1	0	13.13	13.25	13.09				
15	64QAM	1	37	13.02	13.37	13.05	14.5	2		
15	64QAM	1	74	13.08	13.24	13.22				
15	64QAM	36	0	12.16	12.32	12.23	13.5	3		
15	64QAM	36	20	12.09	12.27	12.23				
15	64QAM	36	39	12.12	12.25	11.98				
15	64QAM	75	0	12.10	12.14	12.15	11.5	5		
15	256QAM	1	0	10.38	10.23	10.37				
15	256QAM	1	37	10.40	10.31	10.34				
15	256QAM	1	74	10.21	10.24	10.25	11.5	5		
15	256QAM	36	0	10.24	10.33	10.40				
15	256QAM	36	20	10.24	10.23	10.31				
15	256QAM	36	39	10.28	10.30	10.24	11.5	5		
15	256QAM	75	0	10.17	10.15	10.09				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	15.12	15.33	15.26	16.5	0		
10	QPSK	1	25	15.09	15.23	15.13				
10	QPSK	1	49	14.95	15.22	15.13				
10	QPSK	25	0	14.12	14.22	14.14	15.5	1		
10	QPSK	25	12	13.85	14.08	14.14				
10	QPSK	25	25	14.05	14.14	14.16				
10	QPSK	50	0	13.85	14.31	14.06	15.5	1		
10	16QAM	1	0	14.06	14.28	14.26				
10	16QAM	1	25	14.00	14.15	14.12				
10	16QAM	1	49	14.09	14.36	14.10	14.5	2		
10	16QAM	25	0	13.19	13.38	13.25				
10	16QAM	25	12	13.06	13.39	13.00				
10	16QAM	25	25	13.03	13.21	13.07	14.5	2		
10	16QAM	50	0	13.07	13.22	13.14				
10	64QAM	1	0	13.06	13.21	13.13				
10	64QAM	1	25	13.01	13.35	13.04	14.5	2		
10	64QAM	1	49	13.09	13.30	13.18				
10	64QAM	25	0	12.21	12.28	12.22				
10	64QAM	25	12	12.10	12.27	12.23	13.5	3		
10	64QAM	25	25	12.13	12.26	12.02				
10	64QAM	50	0	12.06	12.05	12.20				
10	256QAM	1	0	10.29	10.30	10.39	11.5	5		
10	256QAM	1	25	10.39	10.39	10.38				
10	256QAM	1	49	10.30	10.16	10.21				
10	256QAM	25	0	10.33	10.35	10.38	11.5	5		
10	256QAM	25	12	10.35	10.33	10.32				
10	256QAM	25	25	10.26	10.33	10.21				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	15.11	15.30	15.23	16.5	0		
5	QPSK	1	12	15.05	15.16	15.12				
5	QPSK	1	24	14.89	15.22	15.06				
5	QPSK	12	0	14.15	14.28	14.20	15.5	1		
5	QPSK	12	7	13.90	14.09	14.22				
5	QPSK	12	13	14.08	14.16	14.27				
5	QPSK	25	0	13.92	14.27	14.04	15.5	1		
5	16QAM	1	0	14.16	14.23	14.29				
5	16QAM	1	12	13.97	14.17	14.05				
5	16QAM	1	24	14.05	14.30	14.00	14.5	2		
5	16QAM	12	0	13.15	13.39	13.21				
5	16QAM	12	7	13.15	13.39	13.02				
5	16QAM	12	13	13.04	13.27	13.03	14.5	2		
5	16QAM	25	0	13.05	13.20	13.15				
5	64QAM	1	0	13.10	13.22	13.12				
5	64QAM	1	12	13.05	13.32	13.05	14.5	2		
5	64QAM	1	24	13.03	13.21	13.21				
5	64QAM	12	0	12.16	12.25	12.21				
5	64QAM	12	7	12.17	12.18	12.29	13.5	3		
5	64QAM	12	13	12.03	12.23	12.00				
5	64QAM	25	0	12.02	12.05	12.23				
5	256QAM	1	0	10.30	10.32	10.41	11.5	5		
5	256QAM	1	12	10.40	10.35	10.29				
5	256QAM	1	24	10.21	10.25	10.21				
5	256QAM	12	0	10.30	10.39	10.39	11.5	5		
5	256QAM	12	7	10.32	10.24	10.31				
5	256QAM	12	13	10.26	10.28	10.19				
5	256QAM	25	0	10.16	10.14	10.04	11.5	5		
5	256QAM									
5	256QAM									

Band 30 Ant6 Hotspot-ENDC											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				27710	27710						
Frequency (MHz)				2310							
10	QPSK	1	0		16.33		17	0			
10	QPSK	1	49		16.26						
10	QPSK	1	48		16.31						
10	QPSK	25	0		16.26						
10	QPSK	25	12		16.23						
10	QPSK	25	25		16.21		17	0			
10	QPSK	50	0		16.24						
10	16QAM	1	0		16.17						
10	16QAM	1	25		16.24		17	0			
10	16QAM	1	49		16.22						
10	16QAM	25	0		16.21						
10	16QAM	25	12		16.23		17	0			
10	16QAM	25	25		16.21						
10	16QAM	50	0		16.22						
10	64QAM	1	0		16.30		17	0			
10	64QAM	1	25		16.19						
10	64QAM	1	49		16.25						
10	64QAM	25	0		15.08						
10	64QAM	25	12		15.04						
10	64QAM	25	25		14.91		16	1			
10	64QAM	50	0		14.91						
10	256QAM	1	0		13.23						
10	256QAM	1	25		13.19		14	3			
10	256QAM	1	49		13.08						
10	256QAM	25	0		13.26						
10	256QAM	25	12		13.19						
10	256QAM	25	25		13.17						
10	256QAM	50	0		13.04		14	3			
Channel				27685	27710	27735					
Frequency (MHz)				2307.5	2310	2312.5				Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	16.11	16.18	16.11	17	0			
5	QPSK	1	12	15.99	16.13	16.03					
5	QPSK	1	24	16.02	16.11	16.02					
5	QPSK	12	0	15.95	16.17	16.06					
5	QPSK	12	7	16.05	16.15	16.02					
5	QPSK	12	0	16.05	16.15	15.96	17	0			
5	QPSK	25	0	16.07	16.09	15.98					
5	QPSK	25	0	16.04	16.09	15.98					
5	16QAM	1	0	15.96	16.07	16.02					
5	16QAM	1	12	15.98	16.17	16.05					
5	16QAM	1	24	15.99	16.17	16.07	17	0			
5	16QAM	12	0	15.96	16.15	16.03					
5	16QAM	12	7	15.99	16.09	16.03					
5	16QAM	12	13	15.94	16.14	15.97	17	0			
5	16QAM	25	0	15.93	16.15	16.01					
5	64QAM	1	0	15.96	16.12	15.98					
5	64QAM	1	12	16.01	16.09	16.02	17	0			
5	64QAM	1	24	16.04	16.10	16.02					
5	64QAM	12	0	14.90	14.97	14.95					
5	64QAM	12	7	14.90	14.90	14.80	16	1			
5	64QAM	12	13	14.84	14.78	14.79					
5	64QAM	25	0	14.77	14.87	14.75					
5	256QAM	1	0	13.16	13.18	13.22					
5	256QAM	1	12	13.23	13.21	13.20					
5	256QAM	1	24	13.16	13.12	13.13	14	3			
5	256QAM	12	0	13.18	13.30	13.21					
5	256QAM	12	7	13.20	13.14	13.17					
5	256QAM	12	13	13.18	13.21	13.25	14	3			
5	256QAM	25	0	13.01	13.02	12.97					

Band 48 Ant8 Hotspot-ENDC										
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				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	9.41	9.45	9.24	9.24	10.8	0	
20	QPSK	1	49	9.44	9.37	9.22	9.25			
20	QPSK	1	99	9.20	9.33	9.16	9.19			
20	QPSK	50	0	8.32	8.51	8.28	8.24			
20	QPSK	50	24	8.43	8.37	8.30	8.18	9.8	1	
20	QPSK	50	50	8.48	8.44	8.19	8.16			
20	QPSK	100	0	8.21	8.29	8.10	8.14			
20	16QAM	1	0	8.18	8.31	8.12	8.20			
20	16QAM	1	49	8.11	8.07	8.03	7.98	9.8	1	
20	16QAM	1	99	8.11	8.03	7.96	7.97			
20	16QAM	50	0	7.24	7.21	7.17	7.14			
20	16QAM	50	24	7.13	7.29	7.21	7.09			
20	16QAM	50	50	7.25	7.28	6.95	7.08	8.8	2	
20	16QAM	100	0	7.04	7.19	7.02	7.12			
20	64QAM	1	0	7.23	7.22	7.01	7.18			
20	64QAM	1	49	7.24	7.09	6.91	6.95			
20	64QAM	1	99	7.19	6.92	7.04	7.10	7.8	3	
20	64QAM	50	0	6.31	6.40	6.33	6.30			
20	64QAM	50	24	6.33	6.33	6.19	6.24			
20	64QAM	50	50	6.24	6.16	6.03	6.13			
20	64QAM	100	0	6.25	6.26	6.24	6.03	5.8	5	
20	256QAM	1	0	4.54	4.50	4.51	4.54			
20	256QAM	1	49	4.59	4.61	4.58	4.51			
20	256QAM	1	99	4.49	4.37	4.49	4.36			
20	256QAM	50	0	4.53	4.52	4.53	4.53	5.8	5	
20	256QAM	50	24	4.49	4.43	4.47	4.45			
20	256QAM	50	50	4.47	4.56	4.47	4.47			
20	256QAM	100	0	4.38	4.31	4.34	4.27			
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3606	3642	3692.5			
15	QPSK	1	0	9.34	9.42	9.15	9.19	10.8	0	
15	QPSK	1	37	9.41	9.32	9.16	9.10			
15	QPSK	1	74	9.13	9.30	9.09	9.01			
15	QPSK	36	0	8.18	8.38	8.18	8.09			
15	QPSK	36	20	8.34	8.25	8.19	8.09	9.8	1	
15	QPSK	36	39	8.37	8.30	8.12	8.10			
15	QPSK	75	0	8.07	8.15	8.03	8.05			
15	16QAM	1	0	8.10	8.24	8.08	8.17			
15	16QAM	1	37	8.00	8.00	7.99	7.88	9.8	1	
15	16QAM	1	74	7.99	7.93	7.91	7.82			
15	16QAM	36	0	7.16	7.16	7.03	7.04			
15	16QAM	36	20	7.07	7.14	7.09	6.94			
15	16QAM	36	39	7.19	7.14	6.97	7.05	8.8	2	
15	16QAM	75	0	6.95	7.13	6.88	7.07			
15	64QAM	1	0	7.17	7.10	6.93	7.07			
15	64QAM	1	37	7.20	7.01	6.87	6.89			
15	64QAM	1	74	7.14	6.85	6.90	6.99	7.8	3	
15	64QAM	36	0	6.17	6.29	6.21	6.22			
15	64QAM	36	20	6.23	6.22	6.11	6.17			
15	64QAM	36	39	6.20	6.06	5.96	6.05			
15	64QAM	75	0	6.21	6.12	6.13	5.92	5.8	5	
15	256QAM	1	0	4.58	4.43	4.47	4.50			
15	256QAM	1	37	4.59	4.58	4.52	4.57			
15	256QAM	1	74	4.43	4.38	4.46	4.40			
15	256QAM	36	0	4.43	4.50	4.49	4.57	5.8	5	
15	256QAM	36	20	4.47	4.44	4.47	4.50			
15	256QAM	36	39	4.43	4.45	4.49	4.47			
15	256QAM	75	0	4.32	4.36	4.38	4.37			
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	9.30	9.34	9.11	9.11	10.8	0	
10	QPSK	1	25	9.37	9.25	9.09	9.19			
10	QPSK	1	49	9.14	9.25	9.01	9.10			
10	QPSK	25	0	8.25	8.43	8.22	8.19			
10	QPSK	25	12	8.30	8.28	8.19	8.07	9.8	1	
10	QPSK	25	25	8.35	8.36	8.11	8.11			
10	QPSK	50	0	8.08	8.24	7.99	8.00			
10	16QAM	1	0	8.10	8.25	8.02	8.06			
10	16QAM	1	25	8.01	7.98	8.06	7.99	9.8	1	
10	16QAM	1	49	8.05	7.98	7.84	7.85			
10	16QAM	25	0	7.16	7.13	7.08	7.08			
10	16QAM	25	12	7.06	7.26	7.07	6.96			
10	16QAM	25	25	7.20	7.17	6.82	7.02	8.8	2	
10	16QAM	50	0	6.98	7.09	6.93	7.07			
10	64QAM	1	0	7.18	7.14	6.97	7.13			
10	64QAM	1	25	7.14	7.05	6.81	6.87			
10	64QAM	1	49	7.13	7.02	6.96	6.97	7.8	3	
10	64QAM	25	0	6.24	6.33	6.18	6.20			
10	64QAM	25	12	6.26	6.25	6.08	6.17			
10	64QAM	25	25	6.16	6.09	5.92	6.09			
10	64QAM	50	0	6.21	6.14	6.13	5.97	5.8	5	
10	256QAM	1	0	4.51	4.43	4.52	4.48			
10	256QAM	1	25	4.60	4.53	4.56	4.52			
10	256QAM	1	49	4.51	4.39	4.41	4.38			
10	256QAM	25	0	4.47	4.57	4.50	4.49	5.8	5	
10	256QAM	25	12	4.56	4.46	4.49	4.48			
10	256QAM	25	25	4.46	4.51	4.48	4.52			
10	256QAM	50	0	4.32	4.37	4.27	4.38			
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3522.5	3607	3643	3697.5			
5	QPSK	1	0	9.37	9.36	9.10	9.09	10.8	0	
5	QPSK	1	12	9.39	9.22	9.10	9.13			
5	QPSK	1	24	9.14	9.21	9.07	9.08			
5	QPSK	12	0	8.19	8.43	8.16	8.20			
5	QPSK	12	7	8.30	8.28	8.20	8.07	9.8	1	
5	QPSK	12	13	8.34	8.30	8.07	8.03			
5	QPSK	25	0	8.08	8.15	8.03	8.04			
5	16QAM	1	0	8.08	8.27	7.98	8.06			
5	16QAM	1	12	8.08	7.98	8.00	7.95	9.8	1	
5	16QAM	1	24	7.98	7.94	7.89	7.89			
5	16QAM	12	0	7.19	7.08	7.06	7.11			
5	16QAM	12	7	7.06	7.23	7.12	6.99			
5	16QAM	12	13	7.21	7.19	6.89	7.05	8.8	2	
5	16QAM	25	0	6.94	7.15	6.93	7.03			
5	64QAM	1	0	7.19	7.09	6.97	7.05			
5	64QAM	1	12	7.19	7.04	6.81	6.86			
5	64QAM	1	24	7.12	6.92	6.89	7.04	7.8	3	
5	64QAM	12	0	6.24	6.36	6.29	6.25			
5	64QAM	12	7	6.23	6.21	6.14	6.20			
5	64QAM	12	13	6.13	6.03	5.97	6.04			
5	64QAM	25	0	6.19	6.13	6.09	5.98	5.8	5	
5	256QAM	1	0	4.48	4.53	4.47	4.54			
5	256QAM	1	12	4.59	4.60	4.53	4.51			
5	256QAM	1	24	4.47	4.39	4.47	4.44			
5	256QAM	12	0	4.52	4.57	4.47	4.53	5.8	5	
5	256QAM	12	7	4.50	4.51	4.51	4.43			
5	256QAM	12	13	4.41	4.53	4.37	4.55			
5	256QAM	25	0	4.29	4.30	4.27	4.33			



Band 2 Ant0 Sensor on-ENDC												
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Min Ch./F.Freq.	Power Max Ch./F.Freq.	Power Avg Ch./F.Freq.	Turn-up Time (sec)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	11.62	11.74	11.64	13	0				
20	QPSK	1	49	11.55	11.81	11.63						
20	QPSK	1	99	11.50	11.69	11.57						
20	QPSK	5	0	10.74	10.75	10.87	12	1				
20	QPSK	5	49	10.60	10.52	10.45						
20	QPSK	5	99	10.47	10.52	10.47						
20	QPSK	100	0	10.54	10.69	10.67	12	1				
20	QPSK	100	49	10.37	10.37	10.35						
20	QPSK	100	99	10.52	10.57	10.59						
20	16QAM	1	0	9.85	9.86	9.94	11	2				
20	16QAM	1	49	9.82	9.85	9.83						
20	16QAM	1	99	9.85	9.86	9.83						
20	16QAM	5	0	9.85	9.86	9.91	10	3				
20	16QAM	5	49	9.82	9.89	9.92						
20	16QAM	5	99	9.84	9.94	9.92						
20	16QAM	10	0	9.85	9.87	9.84	8	5				
20	16QAM	10	49	9.87	9.87	9.82						
20	16QAM	10	99	9.85	9.86	9.88						
20	256QAM	1	0	6.87	6.87	6.87	8	5				
20	256QAM	1	49	6.87	6.87	6.82						
20	256QAM	1	99	6.83	6.86	6.85						
20	256QAM	5	0	6.87	6.87	6.82	8	5				
20	256QAM	5	49	6.87	6.87	6.72						
20	256QAM	5	99	6.83	6.86	6.88						
20	256QAM	10	0	6.85	6.86	6.81	8	5				
20	256QAM	10	49	6.87	6.87	6.81						
20	256QAM	10	99	6.85	6.86	6.81						
Channel												
Frequency (MHz)												
15	QPSK	1	0	11.57	11.70	11.63	13	0				
15	QPSK	1	49	11.44	11.80	11.49						
15	QPSK	1	99	11.36	11.69	11.47						
15	QPSK	5	0	10.68	10.69	10.56	12	1				
15	QPSK	5	49	10.50	10.52	10.35						
15	QPSK	5	99	10.34	10.41	10.39						
15	QPSK	100	0	10.61	10.67	10.61	12	1				
15	QPSK	100	49	10.47	10.37	10.44						
15	QPSK	100	99	10.47	10.51	10.54						
15	16QAM	1	0	9.88	9.83	9.96	11	2				
15	16QAM	1	49	9.83	9.89	9.85						
15	16QAM	1	99	9.83	9.89	9.85						
15	16QAM	5	0	9.85	9.85	9.85	10	3				
15	16QAM	5	49	9.85	9.85	9.83						
15	16QAM	5	99	9.85	9.85	9.81						
15	16QAM	10	0	9.85	9.85	9.85	8	5				
15	16QAM	10	49	9.85	9.85	9.81						
15	16QAM	10	99	9.85	9.85	9.81						
15	256QAM	1	0	6.87	6.87	6.76	8	5				
15	256QAM	1	49	6.84	6.82	6.59						
15	256QAM	1	99	6.86	6.77	6.74						
15	256QAM	5	0	6.74	6.85	6.73	8	5				
15	256QAM	5	49	6.87	6.85	6.85						
15	256QAM	5	99	6.87	6.85	6.81						
15	256QAM	10	0	6.86	6.86	6.81	8	5				
15	256QAM	10	49	6.86	6.86	6.81						
15	256QAM	10	99	6.86	6.86	6.81						
Channel												
Frequency (MHz)												
10	QPSK	1	0	11.57	11.69	11.57	13	0				
10	QPSK	1	49	11.41	11.58	11.47						
10	QPSK	1	99	11.41	11.58	11.46						
10	QPSK	5	0	10.70	10.70	10.70	12	1				
10	QPSK	5	49	10.53	10.39	10.60						
10	QPSK	5	99	10.32	10.46	10.41						
10	QPSK	100	0	10.54	10.63	10.44	12	1				
10	QPSK	100	49	10.68	10.50	10.49						
10	QPSK	100	99	10.59	10.62	10.48						
10	16QAM	1	0	9.76	9.53	9.59	11	2				
10	16QAM	1	49	9.68	9.53	9.53						
10	16QAM	1	99	9.68	9.53	9.58						
10	16QAM	5	0	9.54	9.57	9.78	10	3				
10	16QAM	5	49	9.46	9.65	9.38						
10	16QAM	5	99	9.46	9.65	9.38						
10	16QAM	10	0	9.46	9.65	9.38	8	5				
10	16QAM	10	49	9.37	9.45	9.46						
10	16QAM	10	99	9.37	9.45	9.46						
10	256QAM	1	0	6.82	6.86	6.81	8	5				
10	256QAM	1	49	6.77	6.87	6.76						
10	256QAM	1	99	6.74	6.69	6.76						
10	256QAM	5	0	6.86	6.85	6.81	8	5				
10	256QAM	5	49	6.86	6.85	6.81						
10	256QAM	5	99	6.86	6.85	6.81						
10	256QAM	10	0	6.85	6.86	6.81	8	5				
10	256QAM	10	49	6.85	6.86	6.81						
10	256QAM	10	99	6.85	6.86	6.81						
10	256QAM	15	0	6.85	6.86	6.81	8	5				
10	256QAM	15	49	6.85	6.86	6.81						
10	256QAM	15	99	6.85	6.86	6.81						
Channel												
Frequency (MHz)												
3	QPSK	1	0	11.48	11.50	11.59	13	0				
3	QPSK	1	49	11.48	11.49	11.36						
3	QPSK	1	99	11.41	11.52	11.37						
3	QPSK	5	0	10.68	10.69	10.60	12	1				
3	QPSK	5	49	10.54	10.42	10.41						
3	QPSK	5	99	10.41	10.57	10.50						
3	QPSK	100	0	10.45	10.63	10.41	12	1				
3	QPSK	100	49	10.52	10.45	10.45						
3	QPSK	100	99	10.37	10.45	10.49						
3	16QAM	1	0	9.65	9.62	9.64	11	2				
3	16QAM	1	49	9.64	9.62	9.62						
3	16QAM	1	99	9.62	9.57	9.59						
3	16QAM	5	0	9.39	9.56	9.43	10	3				
3	16QAM	5	49	9.37	9.45	9.41						
3	16QAM	5	99	9.40	9.38	9.44						
3	16QAM	10	0	9.41	9.45	9.43	8	5				
3	16QAM	10	49	9.48	9.45	9.42						
3	16QAM	10	99	9.47	9.42	9.36						
3	256QAM	1	0	6.89	6.87	6.80	8	5				
3	256QAM	1	49	6.82	6.74	6.77						
3	256QAM	1	99	6.80	6.85	6.79						
3	256QAM	5	0	6.72	6.76	6.70	8	5				
3	256QAM	5	49	6.85	6.71	6.71						
3	256QAM	5	99	6.87	6.76	6.69						
3	256QAM	10	0	6.46	6.56	6.53	8	5				
3	256QAM	10	49	6.57	6.46	6.46						
3	256QAM	10	99	6.58	6.51	6.47						
3	256QAM	15	0	6.46	6.56	6.53	8	5				
3	256QAM	15	49	6.57	6.46	6.46						
3	256QAM	15	99	6.58	6.51	6.47						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	11.51	11.61	11.50	13	0				
1.4	QPSK	1	49	11.51	11.46	11.41						
1.4	QPSK	1	99	11.42	11.50	11.38						
1.4	QPSK	5	0	11.40	11.51	11.53	12	1				
1.4	QPSK	5	49	11.41	11.52	11.50						
1.4	QPSK	5	99	11.41	11.52	11.50						
1.4	QPSK	100	0	10.52	10.59	10.40	12	1				
1.4	QPSK	100	49	10.37	10.37	10.35						
1.4	QPSK	100	99	10.52	10.57	10.59						
1.4	16QAM	1	0	9.85	9.86	9.94	11	2				
1.4	16QAM	1	49	9.82	9.85	9.83						
1.4	16QAM	1	99	9.85	9.86	9.83						
1.4	16QAM	5	0	9.85	9.86	9.91	10	3				
1.4	16QAM	5	49	9.82	9.89	9.92						
1.4	16QAM	5	99	9.84	9.94	9.92						
1.4	16QAM	10	0	9.85	9.87	9.84	8	5				
1.4	16QAM	10	49	9.87	9.87	9.82						
1.4	16QAM	10	99	9.85	9.86	9.88						
1.4	256QAM	1	0	6.87	6.87	6.87	8	5				
1.4	256QAM	1	49	6.87	6.87	6.82						
1.4	256QAM	1	99	6.83	6.86	6.85						
1.4	256QAM	5	0	6.87	6.87	6.82	8	5				
1.4	256QAM	5	49	6.87	6.87	6.72						
1.4	256QAM	5	99	6.83	6.86	6.88						
1.4	256QAM	10	0	6.85	6.86	6.81	8	5				
1.4	256QAM	10	49	6.87	6.87	6.81						
1.4	256QAM	10	99	6.85	6.86	6.81						
Channel												
Frequency (MHz)												
0.8	QPSK	1	0	11.48	11.50	11.59	13	0				
0.8	QPSK	1	49	11.48	11.49	11.36						
0.8	QPSK	1	99	11.41	11.52	11.37						
0.8	QPSK	5	0	10.68	10.69	10.60	12	1				
0.8	QPSK	5	49	10.54	10.42	10.41						
0.8	QPSK	5	99	10.41	10.57	10.50						
0.8	QPSK	100	0	10.45	10.63	10.41	12	1				
0.8	QPSK	100	49	10.52	10.45	10.45						
0.8	QPSK	100	99	10.37	10.45	10.49						
0.8	16QAM	1	0	9.65	9.62	9.64	11	2				
0.8	16QAM	1	49	9.64	9.62	9.62						
0.8	16QAM	1	99	9.62	9.57	9.59						
0.8	16QAM	5	0	9.39	9.56	9.43	10	3				
0.8	16QAM	5	49	9.37	9.45	9.41						
0.8	16QAM	5	99	9.40	9.38	9.44						
0.8	16QAM	10	0	9.41	9.45	9.43	8	5				
0.8	16QAM	10	49	9.48	9.45	9.42						
0.8	16QAM	10	99	9.47	9.42	9.36						
0.8	256QAM	1	0	6.89	6.87	6.80	8	5				
0.8	256QAM	1	49	6.82	6.74	6.77						
0.8	256QAM	1	99	6.80	6.85	6.79						
0.8	256QAM	5	0	6.72	6.76	6.70	8	5				
0.8	256QAM	5	49	6.85	6.71	6.71						
0.8	256QAM	5	99	6.87	6.76	6.69						
0.8	256QAM	10	0	6.46	6.56	6.53	8	5				
0.8	256QAM	10	49	6.57	6.46	6.46						
0.8	256QAM	10	99	6.58	6.51	6.47						
0.8	256QAM	15	0	6.46	6.56	6.53	8	5				
0.8	256QAM	15	49	6.57	6.46	6.46						
0.8	256QAM	15	99	6.58	6.51	6.47						
Channel												
Frequency (MHz)												
0.4	QPSK	1	0	11.51	11.61	11.50	13	0				
0.4	QPSK											



Band 13 Ant0 Sensor on-ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPN (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.69			22.5	0	
10	QPSK	1	25	20.69					
10	QPSK	1	49	20.69					
10	QPSK	25	0	20.62			21.5	1	
10	QPSK	25	12	19.85					
10	QPSK	25	25	19.94					
10	QPSK	50	0	19.92			21.5	1	
10	16QAM	1	0	19.92					
10	16QAM	1	25	20.09					
10	16QAM	1	49	20.15			20.5	2	
10	16QAM	25	0	19.92					
10	16QAM	25	12	19.85					
10	16QAM	25	25	19.94			19.5	3	
10	16QAM	50	0	19.95					
10	64QAM	1	0	19.91					
10	64QAM	1	25	19.96			20.5	2	
10	64QAM	1	49	19.93					
10	64QAM	25	0	17.89					
10	64QAM	25	12	17.87			19.5	3	
10	64QAM	25	25	17.89					
10	64QAM	50	0	17.88					
10	256QAM	1	0	16.97			17.5	5	
10	256QAM	1	25	16.98					
10	256QAM	1	49	16.94					
10	256QAM	25	12	16.98			17.5	5	
10	256QAM	25	25	16.92					
10	256QAM	50	0	16.93					

Band 14 Ant0 Sensor on-ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPN (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.34			22.5	0	
10	QPSK	1	25	21.16					
10	QPSK	1	49	21.21					
10	QPSK	25	0	20.23			21.5	1	
10	QPSK	25	12	19.91					
10	QPSK	25	25	20.07					
10	QPSK	50	0	20.19			21.5	1	
10	16QAM	1	0	20.15					
10	16QAM	1	25	20.25					
10	16QAM	1	49	20.13			20.5	2	
10	16QAM	25	0	19.91					
10	16QAM	25	12	19.97					
10	16QAM	25	25	19.99			19.5	3	
10	16QAM	50	0	19.95					
10	64QAM	1	0	19.12					
10	64QAM	1	25	19.97			20.5	2	
10	64QAM	1	49	19.13					
10	64QAM	25	0	18.05					
10	64QAM	25	12	17.98			19.5	3	
10	64QAM	25	25	17.87					
10	64QAM	50	0	17.97					
10	256QAM	1	0	16.14			17.5	5	
10	256QAM	1	25	16.21					
10	256QAM	1	49	16.07					
10	256QAM	25	12	16.27			17.5	5	
10	256QAM	25	25	16.14					
10	256QAM	50	0	16.22					
10	256QAM	50	0	16.07					

Band 17 Ant0 Sensor on-ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPN (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.08	21.32	20.95	22.5	0	
10	QPSK	1	25	21.03	21.05	20.85			
10	QPSK	1	49	21.10	21.19	21.05			
10	QPSK	25	0	19.98	20.32	19.69	21.5	1	
10	QPSK	25	12	20.01	20.22	20.03			
10	QPSK	25	25	20.13	20.06	19.98			
10	QPSK	50	0	20.22	20.25	20.12	21.5	1	
10	16QAM	1	0	20.16	20.24	19.94			
10	16QAM	1	25	19.92	20.13	19.92			
10	16QAM	1	49	20.15	20.14	19.92	20.5	2	
10	16QAM	25	0	19.95	19.92	19.92			
10	16QAM	25	12	19.97	19.22	19.02			
10	16QAM	25	25	19.94	19.24	19.06	19.5	3	
10	16QAM	50	0	19.45	19.20	19.05			
10	64QAM	1	0	19.02	19.28	19.17			
10	64QAM	1	25	19.03	19.09	19.01	20.5	2	
10	64QAM	1	49	19.07	19.14	18.95			
10	64QAM	25	0	18.21	18.28	18.02			
10	64QAM	25	12	18.25	18.08	17.98	19.5	3	
10	64QAM	25	25	17.99	18.22	18.05			
10	64QAM	50	0	18.04	18.17	17.97			
10	256QAM	1	0	16.12	16.12	16.14	17.5	5	
10	256QAM	1	25	16.19	16.14	16.17			
10	256QAM	1	49	16.04	16.02	16.05			
10	256QAM	25	0	16.03	16.12	16.17	17.5	5	
10	256QAM	25	12	16.15	16.17	16.20			
10	256QAM	25	25	16.05	16.20	16.10			
10	256QAM	50	0	16.08	16.05	16.04			

Band 25 Ant0 Sensor on-ENDC											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPN (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	11.83	11.80	11.87	13	0			
20	QPSK	1	49	11.83	11.80	11.68					
20	QPSK	1	99	11.83	11.73	11.62					
20	QPSK	50	0	10.79	11.01	10.79	12	1			
20	QPSK	50	24	10.79	10.74	10.69					
20	QPSK	50	50	10.94	10.72	10.78					
20	16QAM	100	0	10.85	10.89	10.88	12	1			
20	16QAM	1	0	10.85	10.84	10.84					
20	16QAM	1	49	10.79	10.78	10.78					
20	16QAM	1	99	10.62	10.71	10.59	11	2			
20	16QAM	50	0	9.70	9.91	9.72					
20	16QAM	50	24	10.02	9.99	9.96					
20	16QAM	50	50	9.89	9.87	9.73	11	2			
20	16QAM	100	0	9.92	9.91	9.77					
20	64QAM	1	0	9.88	9.93	9.79					
20	64QAM	1	49	9.93	9.93	9.91	11	2			
20	64QAM	1	99	9.92	9.95	9.88					
20	64QAM	50	0	8.73	8.84	8.92					
20	64QAM	50	24	8.74	8.95	8.80	10	3			
20	64QAM	50	50	8.71	8.70	8.73					
20	64QAM	100	0	8.81	8.87	8.57					
20	256QAM	1	0	7.00	7.03	7.06	8	5			
20	256QAM	1	49	7.05	7.09	7.05					
20	256QAM	1	99	6.96	6.93	6.94					
20	256QAM	50	0	6.96	6.98	6.99	8	5			
20	256QAM	50	24	6.97	7.02	6.95					
20	256QAM	50	50	6.93	7.01	6.97					
20	256QAM	100	0	6.93	7.01	6.97					
Channel											
Frequency (MHz)											
16	QPSK	1	0	11.87	11.80	11.87	13	0			
16	QPSK	1	49	11.70	11.83	11.80					
16	QPSK	1	74	11.72	11.66	11.71					
16	QPSK	36	0	10.71	10.89	10.74	12	1			
16	QPSK	36	18	10.70	10.89	10.69					
16	QPSK	36	36	10.67	10.59	10.65					
16	16QAM	1	0	10.67	10.67	10.68	12	1			
16	16QAM	1	49	10.62	10.63	10.61					
16	16QAM	1	99	10.62	10.63	10.66					
16	16QAM	36	0	9.87	9.82	9.89	11	2			
16	16QAM	36	18	9.89	9.82	9.78					
16	16QAM	36	36	9.88	9.79	9.80					
16	16QAM	75	0	9.81	9.74	9.72	11	2			
16	64QAM	1	0	9.79	9.85	9.75					
16	64QAM	1	49	9.80	9.85	9.87					
16	64QAM	1	74	9.85	9.79	9.80	11	2			
16	64QAM	36	0	8.68	8.78	8.78					
16	64QAM	36	18	8.68	8.78	8.78					
16	64QAM	36	36	8.55	8.63	8.68	10	3			
16	64QAM	75	0	8.75	8.79	8.45					
16	64QAM	75	18	8.75	8.79	8.45					
16	256QAM	1	0	7.02	7.03	7.05	8	5			
16	256QAM	1	49	7.04	7.09	7.05					
16	256QAM	1	74	6.94	6.94	6.95					
16	256QAM	36	0	6.99	7.00	7.01	8	5			
16	256QAM	36	18	6.99	7.00	7.01					
16	256QAM	36	36	6.99	7.03	6.98					
16	256QAM	75	0	6.97	7.03	6.98	8	5			
16	256QAM	75	18	6.97	7.03	6.98					
16	256QAM	75	36	6.97	7.03	6.98					
Channel											
Frequency (MHz)											
20	QPSK	1	0	11.76	11.83	11.80	13	0			
20	QPSK	1	49	11.74	11.70	11.54					
20	QPSK	1	99	11.76	11.69	11.56					
20	QPSK	50	0	10.74	10.99	10.69	12	1			
20	QPSK	50	24	10.72	10.69	10.64					
20	QPSK	50	50	10.80	10.64	10.64					
20	16QAM	100	0	10.74	10.79	10.67	12	1			
20	16QAM	1	0	10.85	10.85	10.84					
20	16QAM	1	49	10.75	10.73	10.71					
20	16QAM	1	99	10.67	10.64	10.61	11	2			
20	16QAM	50	0	9.84	9.83	9.78					
20	16QAM	50	24	9.89	9.83	9.78					
20	16QAM	50	50	9.85	9.89	9.81	11	2			
20	16QAM	100	0	9.85	9.82	9.71					
20	16QAM	100	49	9.87	9.85	9.82					
20	16QAM	25	0	9.87	9.85	9.82	11	2			
20	16QAM	25	12	9.87	9.85	9.82					
20	16QAM	25	25	9.87	9.85	9.82					
20	16QAM	50	0	8.85	8.81	8.68	10	3			
20	16QAM	50	24	8.85	8.81	8.68					
20	16QAM	50	50	8.85	8.81	8.68					
20	256QAM	1	0	7.01	6.95	7.13	8	5			
20	256QAM	1	25	7.08	7.02	7.02					
20	256QAM	1	50	7.04	7.10	7.09					
20	256QAM	25	0	6.95	6.93	6.94	8	5			
20	256QAM	25	12	6.95	6.93	6.94					
20	256QAM	25	25	6.95	6.93	6.94					
20	256QAM	50	0	6.83	6.82	6.71	8	5			
20	256QAM	50	24	6.83	6.82	6.71					
20	256QAM	50	50	6.83	6.82	6.71					
Channel											
Frequency (MHz)											
5	QPSK	1	0	11.70	11.86	11.80	13	0			
5	QPSK	1	49	11.73	11.73	11.83					
5	QPSK	1	99	11.73	11.62	11.61					
5	QPSK	12	0	10.71	10.95	10.70	12	1			
5	QPSK	12	7	10.68	10.62	10.63					
5	QPSK	12	14	10.65	10.73	10.65					
5	16QAM	25	0	10.80	10.82	10.83	12	1			
5	16QAM	25	12	10.83	10.88	10.79					
5	16QAM	25	25	10.87	10.86	10.86					
5	16QAM	12	0	9.65	9.82	9.63	11	2			
5	16QAM	12	7	9.63	9.71	9.63					
5	16QAM	12	14	9.67	9.65	9.58					
5	16QAM	12	18	9.77	9.73	9.59	11	2			
5	16QAM	12	25	9.85	9.82	9.63					
5	16QAM	12	32	9.84	9.72	9.52					
5	16QAM	12	39	9.87	9.79	9.79	11	2			
5	16QAM	12	46	9.89	9.72	9.73					
5	16QAM	12	53	9.73	9.79	9.79					
5	16QAM	12	7	8.70	8.83	8.74	10	3			
5	16QAM	12	13	8.81	8.88	8.81					
5	16QAM	12	20	8.81	8.82	8.79					
5	16QAM	1	0	7.03	7.01	7.09	8	5			
5	256QAM	1	12	7.00	7.04	7.09					
5	256QAM	1	25	6.99	7.04	7.09					
5	256QAM	12	0	6.93	6.97	7.02	8	5			
5	256QAM	12	7	6.93	6.97	7.02					
5	256QAM	12	13	6.98	6.95	6.92					
5	256QAM	25	0	6.77	6.88	6.77	8	5			
5	256QAM	25	12	6.77	6.88	6.77					
5	256QAM	25	25	6.77	6.88	6.77					
Channel											
Frequency (MHz)											
3	QPSK	1	0	11.75	11.87	11.81	13	0			
3	QPSK	1	49	11.89	11.73	11.89					
3	QPSK	1	99	11.73	11.62	11.61					
3	QPSK	8	0	10.84	10.84	10.91	12	1			
3	QPSK	8	4	10.84	10.84	10.91					
3	QPSK	8	8	10.84	10.84	10.91					
3	16QAM	16	0	10.81	10.77	10.81	12	1			
3	16QAM	16	8	10.80	10.76	10.80					
3	16QAM	16	16	10.84	10.85	10.74					
3	16QAM	1	0	10.84	10.85	10.74	12	1			
3	16QAM	1	14	10.88	10.87	10.82					
3	16QAM	1	28	10.84	10.87	10.82					
3	16QAM	8	0	9.89	9.80	9.83	11	2			
3	16QAM	8	4	9.76	9.73	9.63					
3	16QAM	8	8	9.86	9.86	9.66					
3	16QAM	1	0	9.80	9.81	9.72	11	2			
3	16QAM	8	0	9.80	9.84	9.75					
3	16QAM	8	4	9.89	9.79	9.83					
3	16QAM	8	8	8.65	8.84	8.78	10	3			
3	16QAM	8	12	8.65	8.84	8.78					
3	16QAM	8	16	8.65	8.84	8.78					
3	16QAM	16	0	8.77	8.83	8.52	10	3			
3	256QAM	1	0	7.00	6.95	7.09					
3	256QAM	1	12	7.00	6.95	7.09					
3	256QAM	16	0	6.94	6.96	7.01	8	5			
3	256QAM	16	8	6.97	6.97	7.01					
3	256QAM	16	16	6.92	6.96	6.95					
3	256QAM	16	0	6.81	6.80	6.76	8	5			
3	256QAM	16	8	6.81	6.80	6.76					
3	256QAM	16	16	6.81	6.80	6.76					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	11.73	11.85	11.74	13	0			
1.4	QPSK	1	49	11.73	11.82	11.61					
1.4	QPSK	1	99	11.73	11.62	11.61					
1.4	QPSK	3	0	11.70	11.65	11.68	13	0			
1.4	QPSK	3	3	11.67	11.66	11.74					
1.4	QPSK	3	6	11.63	11.68	11.62					
1.4	QPSK	3	9	11.86	11.68	11.64	12	1			
1.4	QPSK	3	12	10.73	10.74	10.86					
1.4	QPSK	3	15	10.65	10.80	10.83					
1.4	16QAM	3	0	10.85	10.84	10.84	12	1			
1.4	16QAM	3	3	10.84	10.87	10.84					
1.4	16QAM	3	6	10.84	10.84	10.84					
1.4	16QAM	3	9	10.92	10.93	10.87	12	1			
1.4	16QAM	3	12	10.89	10.89	10.87					
1.4	16QAM	3	15	10.87	10.79	10.71					
1.4	16QAM	3	0	9.77	9.83	9.73	11	2			
1.4	16QAM	3	3	9.80	9.81	9.73					
1.4	16QAM	3	6	9.89	9.80	9.71					
1.4	16QAM	3	9	9.89	9.80	9.71	11	2			
1.4	16QAM	3	12	9.87	9.75	9.68					
1.4	16QAM	3	15	9.81	9.84	9.58					
1.4	16QAM	8	0	8.76	8.82						

Band 26 Ant Sensor on-ENDC														
BM (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq. (dB)	Power Ch./Freq. (dB)	Power Ch./Freq. (dB)	Turn-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	21.53	21.63	21.60	22.5	0	14	0				
15	QPSK	1	37	21.52	21.57	21.58								
15	QPSK	1	74	21.54	21.60	21.59								
15	QPSK	36	0	20.54	20.77	20.69	21.5	1	13	1				
15	QPSK	36	20	20.44	20.66	20.63								
15	QPSK	36	39	20.56	20.63	20.62								
15	QPSK	75	0	20.72	20.76	20.71	21.5	1	13	1				
15	16QAM	1	0	20.84	20.85	20.71								
15	16QAM	1	37	20.53	20.56	20.51								
15	16QAM	1	74	20.44	20.47	20.46	20.5	2	12	2				
15	16QAM	36	0	19.52	19.77	19.68								
15	16QAM	36	20	19.50	19.57	19.54								
15	16QAM	36	39	19.48	19.63	19.55	20.5	2	12	2				
15	16QAM	75	0	19.68	19.77	19.77								
15	8QAM	1	0	19.63	19.69	19.59								
15	8QAM	1	37	19.57	19.75	19.65	19.5	3	11	3				
15	8QAM	1	74	19.65	19.67	19.75								
15	8QAM	36	0	18.57	18.86	18.71								
15	8QAM	36	20	18.48	18.98	18.51	17.5	5	9	5				
15	8QAM	36	39	18.54	18.70	18.59								
15	8QAM	75	0	18.63	18.60	18.62								
15	256QAM	1	0	16.42	16.67	16.67	17.5	5	9	5				
15	256QAM	1	37	16.72	16.94	16.64								
15	256QAM	1	74	16.53	16.46	16.54								
15	256QAM	36	0	16.56	16.67	16.67	17.5	5	9	5				
15	256QAM	36	20	16.63	16.80	16.62								
15	256QAM	36	39	16.49	16.40	16.43								
Channel														
Frequency (MHz)														
10	QPSK	1	0	21.44	21.50	21.53	22.5	0	14	0				
10	QPSK	1	25	21.43	21.48	21.47								
10	QPSK	1	49	21.47	21.50	21.46								
10	QPSK	25	0	20.43	20.61	20.59	21.5	1	13	1				
10	QPSK	25	12	20.32	20.52	20.59								
10	QPSK	25	25	20.51	20.55	20.49								
10	QPSK	50	0	20.65	20.69	20.67	21.5	1	13	1				
10	16QAM	1	0	20.60	20.55	20.58								
10	16QAM	1	25	20.49	20.53	20.38								
10	16QAM	1	49	19.54	19.69	19.55	20.5	2	12	2				
10	16QAM	25	0	19.54	19.69	19.55								
10	16QAM	25	12	19.48	19.54	19.47								
10	16QAM	50	0	19.53	19.71	19.68	20.5	2	12	2				
10	8QAM	1	0	19.59	19.55	19.56								
10	8QAM	1	25	19.51	19.64	19.59								
10	8QAM	1	49	19.57	19.55	19.50	19.5	3	11	3				
10	8QAM	25	0	18.51	18.80	18.57								
10	8QAM	25	12	18.45	18.84	18.67								
10	8QAM	25	25	18.52	18.57	18.45	17.5	5	9	5				
10	8QAM	50	0	18.54	18.50	18.47								
10	256QAM	1	0	16.47	16.43	16.73								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.65	21.65	21.65	22.5	0	14	0				
5	QPSK	1	12	21.39	21.50	21.49								
5	QPSK	1	24	21.51	21.46	21.37								
5	QPSK	12	0	20.40	20.56	20.56	21.5	1	13	1				
5	QPSK	12	7	20.30	20.58	20.53								
5	QPSK	12	13	20.45	20.56	20.49								
5	16QAM	1	0	20.60	20.55	20.56	21.5	1	13	1				
5	16QAM	1	0	20.50	20.57	20.56								
5	16QAM	1	12	20.43	20.48	20.45								
5	16QAM	1	24	20.37	20.33	20.34	20.5	2	12	2				
5	16QAM	12	0	19.54	19.65	19.64								
5	16QAM	12	7	19.38	19.46	19.42								
5	16QAM	12	13	19.30	19.58	19.51	19.5	3	11	3				
5	16QAM	25	0	19.54	19.72	19.73								
5	8QAM	1	0	19.58	19.53	19.55								
5	8QAM	1	12	19.48	19.70	19.51	20.5	2	12	2				
5	8QAM	1	24	19.60	19.56	19.67								
5	8QAM	12	0	18.49	18.53	18.58								
5	8QAM	12	7	18.43	18.62	18.47	19.5	3	11	3				
5	8QAM	12	13	18.51	18.67	18.56								
5	8QAM	25	0	18.55	18.47	18.48								
5	256QAM	1	0	16.56	16.58	16.64	17.5	5	9	5				
5	256QAM	1	12	16.72	16.68	16.71								
5	256QAM	1	24	16.57	16.54	16.47								
5	256QAM	12	0	16.51	16.62	16.63	17.5	5	9	5				
5	256QAM	12	7	16.54	16.60	16.56								
5	256QAM	12	13	16.48	16.55	16.57								
5	256QAM	25	0	16.44	16.48	16.45	20.5	2	12	2				
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.46	21.50	21.52	22.5	0	14	0				
3	QPSK	1	8	21.46	21.45	21.45								
3	QPSK	1	14	21.47	21.53	21.50								
3	QPSK	8	0	20.43	20.66	20.66	21.5	1	13	1				
3	QPSK	8	4	20.32	20.62	20.50								
3	QPSK	8	7	20.50	20.52	20.49								
3	16QAM	1	0	20.67	20.73	20.65	21.5	1	13	1				
3	16QAM	1	0	20.54	20.56	20.66								
3	16QAM	1	8	20.45	20.47	20.41								
3	16QAM	1	14	20.33	20.42	20.35	20.5	2	12	2				
3	16QAM	8	0	19.52	19.63	19.62								
3	16QAM	8	4	19.45	19.47	19.41								
3	16QAM	8	7	19.44	19.54	19.52	20.5	2	12	2				
3	16QAM	15	0	19.57	19.65	19.74								
3	8QAM	1	0	19.53	19.52	19.47								
3	8QAM	1	8	19.51	19.70	19.65	20.5	2	12	2				
3	8QAM	1	14	19.59	19.64	19.71								
3	8QAM	8	0	18.54	18.59	18.63								
3	8QAM	8	4	18.42	18.57	18.59	19.5	3	11	3				
3	8QAM	8	7	18.56	18.66	18.54								
3	8QAM	15	0	18.56	18.42	18.47								
3	256QAM	1	0	16.59	16.60	16.72	17.5	5	9	5				
3	256QAM	1	8	16.65	16.70	16.69								
3	256QAM	1	14	16.60	16.55	16.45								
3	256QAM	8	0	16.58	16.64	16.66	17.5	5	9	5				
3	256QAM	8	4	16.54	16.58	16.55								
3	256QAM	8	7	16.59	16.58	16.50								
3	256QAM	15	0	16.48	16.45	16.42	20.5	2	12	2				
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	21.47	21.51	21.53	22.5	0	14	0				
1.4	QPSK	1	8	21.48	21.53	21.52								
1.4	QPSK	1	15	21.47	21.57	21.62								
1.4	QPSK	8	0	20.47	20.65	20.65	21.5	1	13	1				
1.4	QPSK	8	4	20.37	20.64	20.54								
1.4	QPSK	8	7	20.54	20.54	21.50								
1.4	QPSK	3	0	21.42	21.57	21.50	21.5	1	13	1				
1.4	QPSK	3	8	21.44	21.54	21.50								
1.4	16QAM	1	0	20.57	20.60	20.59								
1.4	16QAM	1	8	20.50	20.52	20.45	21.5	1	13	1				
1.4	16QAM	1	15	20.36	20.38	20.44								
1.4	16QAM	8	0	20.56	20.73	20.57								
1.4	16QAM	8	4	20.38	20.49	20.50	20.5	2	12	2				
1.4	16QAM	8	7	20.55	20.55	20.46								
1.4	16QAM	15	0	19.61	19.84	19.67								
1.4	8QAM	1	0	19.57	19.62	19.66	20.5	2	12	2				
1.4	8QAM	1	8	19.54	19.63	19.65								
1.4	8QAM	1	15	19.58	19.58	19.68								
1.4	8QAM	8	0	18.48	18.59	18.65	19.5	3	11	3				
1.4	8QAM	8	4	18.51	18.61	18.49								
1.4	8QAM	8	7	18.59	18.61	18.59								
1.4	256QAM	1	0	16.59	16.61	16.69	17.5	5	9	5				
1.4	256QAM	1	8	16.62	16.65	16.47								
1.4	256QAM	1	15	16.57	16.65	16.60								
1.4	256QAM	8	0	16.60	16.65	16.65	17.5	5	9	5				
1.4	256QAM	8	4	16.59	16.62	16.55								
1.4	256QAM	8	7	16.54	16.58	16.55								



Band 2 Ant1 Sensor on-ENDC									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Min Ch./Fires	Power Max Ch./Fires	Power Avg Ch./Fires	Turn-up Time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	13.91	14.07	13.99			
5	QPSK	1	49	13.80	13.96	13.88	13.5	0	
10	QPSK	1	99	13.88	13.97	13.93			
15	QPSK	50	0	12.86	13.05	12.96			
20	QPSK	50	50	12.92	12.97	12.95	14.5	1	
25	QPSK	100	0	12.84	12.97	12.91			
30	QPSK	100	50	12.95	13.10	12.98			
35	QPSK	1	49	12.79	13.04	12.92	14.5	1	
40	QPSK	1	99	12.88	13.00	12.93			
45	QPSK	1	149	12.90	13.05	12.98			
50	QPSK	50	50	11.74	11.93	11.88	13.5	2	
55	QPSK	50	50	11.80	11.97	11.95			
60	QPSK	100	0	11.80	12.10	11.95			
65	QPSK	1	0	11.76	12.00	11.81			
70	QPSK	1	49	11.72	12.03	11.88	13.5	2	
75	QPSK	1	99	11.81	11.95	11.88			
80	QPSK	1	149	11.76	11.90	11.79			
85	QPSK	100	0	10.77	11.02	10.74	12.5	3	
90	QPSK	1	49	9.08	9.13	9.14			
95	QPSK	1	99	9.22	9.15	9.13	10.5	5	
100	QPSK	1	149	9.08	9.37	9.29			
105	QPSK	50	50	9.11	9.16	9.14			
110	QPSK	50	50	9.05	9.08	9.14			
115	QPSK	50	50	9.04	9.10	9.03	10.5	5	
120	QPSK	100	0	9.08	9.20	9.16			
Channel									
Frequency (MHz)									
121	QPSK	1	0	18.975	18.980	18.975	Turn-up Time (sec)	MPR (dB)	
125	QPSK	1	0	18.97	18.98	18.975			
130	QPSK	1	50	13.82	14.03	13.81	15.5	0	
135	QPSK	1	100	13.71	13.90	13.75			
140	QPSK	1	150	13.80	13.93	13.73			
145	QPSK	36	0	12.81	13.02	12.80			
150	QPSK	36	36	12.87	12.85	12.79	14.5	1	
155	QPSK	75	0	12.74	12.80	12.77			
160	QPSK	1	160	12.88	13.00	12.71			
165	QPSK	1	312	12.87	12.93	12.84	14.5	1	
170	QPSK	1	468	11.75	11.90	11.76			
175	QPSK	36	36	11.61	11.75	11.76			
180	QPSK	36	20	11.69	11.86	11.53	13.5	2	
185	QPSK	75	0	11.79	12.03	11.85			
190	QPSK	1	0	11.65	11.88	11.77	13.5	2	
195	QPSK	1	36	11.65	11.85	11.75			
200	QPSK	1	72	11.71	11.95	11.64			
205	QPSK	36	0	10.70	10.90	10.83			
210	QPSK	36	36	10.67	10.88	10.64	12.5	3	
215	QPSK	75	0	10.53	10.57	10.51			
220	QPSK	1	160	10.62	10.80	10.68			
225	QPSK	1	312	9.06	9.10	9.18	10.5	5	
230	QPSK	1	468	9.08	9.35	9.04			
235	QPSK	36	36	9.04	9.30	9.00			
240	QPSK	36	39	9.05	9.11	9.03	10.5	5	
245	QPSK	75	0	8.96	9.08	8.99			
Channel									
Frequency (MHz)									
246	QPSK	1	0	18.955	18.960	18.955	Turn-up Time (sec)	MPR (dB)	
250	QPSK	1	25	13.88	13.87	13.70	15.5	0	
255	QPSK	1	49	13.82	13.82	13.89			
260	QPSK	1	99	12.87	12.87	12.76	14.5	1	
265	QPSK	25	13	12.57	12.82	12.83			
270	QPSK	25	25	12.87	12.81	12.75			
275	QPSK	1	0	12.90	13.07	12.79			
280	QPSK	1	25	12.68	12.85	12.79	14.5	1	
285	QPSK	1	50	11.62	11.82	11.71			
290	QPSK	1	75	11.68	11.83	11.58	13.5	2	
295	QPSK	1	100	11.67	11.85	11.66			
300	QPSK	1	125	11.84	12.01	11.87			
305	QPSK	1	150	11.70	11.85	11.78			
310	QPSK	1	175	11.63	11.85	11.68	13.5	2	
315	QPSK	1	200	11.68	11.87	11.53			
320	QPSK	25	0	10.65	10.90	10.69			
325	QPSK	25	25	10.66	11.00	10.83	12.5	3	
330	QPSK	50	0	10.70	10.95	10.91			
335	QPSK	1	250	9.08	9.12	9.18	10.5	5	
340	QPSK	1	26	9.08	9.00	9.01			
345	QPSK	1	52	9.11	9.10	9.11			
350	QPSK	25	12	9.10	9.11	9.10	10.5	5	
355	QPSK	25	25	9.08	9.07	9.06			
360	QPSK	50	0	8.92	9.08	8.92			
Channel									
Frequency (MHz)									
361	QPSK	1	0	18.925	18.930	18.925	Turn-up Time (sec)	MPR (dB)	
365	QPSK	1	12	13.85	13.87	13.87	15.5	0	
370	QPSK	1	24	13.83	13.85	13.88			
375	QPSK	1	48	12.78	13.00	12.74			
380	QPSK	1	72	12.68	12.77	12.73	14.5	1	
385	QPSK	12	13	12.83	12.76	12.73			
390	QPSK	1	0	12.89	13.00	12.79			
395	QPSK	1	12	12.84	12.91	12.84	14.5	1	
400	QPSK	1	24	11.78	11.98	11.78			
405	QPSK	1	48	11.62	11.83	11.72			
410	QPSK	1	72	11.71	11.88	11.70	13.5	2	
415	QPSK	1	96	11.68	11.80	11.55			
420	QPSK	1	120	11.76	11.98	11.83			
425	QPSK	1	144	11.63	11.80	11.78	13.5	2	
430	QPSK	1	168	11.64	11.80	11.55			
435	QPSK	1	192	11.70	11.88	11.61			
440	QPSK	12	0	10.74	10.97	10.69			
445	QPSK	12	12	10.67	10.89	10.67	12.5	3	
450	QPSK	25	0	10.62	10.97	10.85			
455	QPSK	25	0	10.63	10.97	10.61			
460	QPSK	1	250	9.08	9.03	9.17	10.5	5	
465	QPSK	1	12	9.22	9.22	9.12			
470	QPSK	1	24	9.11	9.07	9.02			
475	QPSK	12	10	9.10	9.15	9.12			
480	QPSK	12	7	9.14	9.12	9.13	10.5	5	
485	QPSK	12	13	9.05	9.11	9.01			
490	QPSK	50	0	8.97	9.08	8.90			
Channel									
Frequency (MHz)									
491	QPSK	1	0	18.915	18.920	18.915	Turn-up Time (sec)	MPR (dB)	
495	QPSK	1	0	13.85	13.90	13.83	15.5	0	
500	QPSK	1	8	13.69	13.87	13.75			
505	QPSK	1	14	13.79	13.85	13.75			
510	QPSK	8	0	12.78	12.85	12.75	14.5	1	
515	QPSK	8	4	12.68	12.78	12.76			
520	QPSK	1	0	12.89	12.94	12.87			
525	QPSK	1	8	12.71	12.85	12.78	14.5	1	
530	QPSK	1	16	11.71	11.85	11.66			
535	QPSK	1	24	11.55	11.70	11.66			
540	QPSK	8	4	11.66	11.78	11.53	13.5	2	
545	QPSK	1	0	11.66	11.80	11.67			
550	QPSK	15	0	11.74	12.01	11.88			
555	QPSK	1	0	11.62	11.86	11.69	13.5	2	
560	QPSK	1	14	11.69	11.87	11.58			
565	QPSK	1	28	10.71	10.93	10.80	12.5	3	
570	QPSK	1	42	10.62	11.02	10.86			
575	QPSK	8	7	10.61	11.01	10.83			
580	QPSK	1	0	9.07	9.08	9.09	10.5	5	
585	QPSK	1	0	9.08	9.03	9.17			
590	QPSK	8	0	9.02	9.14	9.17			
595	QPSK	8	4	9.07	9.08	9.09			
600	QPSK	8	0	8.99	9.05	8.99	10.5	5	
605	QPSK	15	0	8.98	9.05	8.98			
Channel									
Frequency (MHz)									
606	QPSK	1	0	18.907	18.910	18.905	Turn-up Time (sec)	MPR (dB)	
610	QPSK	1	0	13.88	13.95	13.75	15.5	0	
615	QPSK	1	3	13.75	13.90	13.74			
620	QPSK	1	5	13.74	13.94	13.76			
625	QPSK	3	0	13.79	13.94	13.82	14.5	1	
630	QPSK	3	1	13.65	13.78	13.75			
635	QPSK	3	3	13.62	13.77	13.60			
640	QPSK	6	0	12.76	12.82	12.80	14.5	1	
645	QPSK	6	6	12.76	12.85	12.85			
650	QPSK	1	0	12.76	12.85	12.49	13.5	1	
655	QPSK	1	0	12.72	12.85	12.49			
660	QPSK	1	5	11.68	11.85	11.68			
665	QPSK	1	10	11.69	11.89	11.68			
670	QPSK	3	0	11.59	11.91	11.87	13.5	2	
675	QPSK	3	3	11.62	11.92	11.69			
680	QPSK	1	0	11.63	11.92	11.63			
685	QPSK	1	1	11.57	12.04	11.88			
690	QPSK	1	2	11.59	11.93	11.87			
695	QPSK	6	0	10.70	10.93	10.71	12.5	3	
700	QPSK	1	0	9.19	9.08	9.10			
705	QPSK	1	1	9.14	9.13	9.10			
710	QPSK	1	2	9.04	9.17	9.13			
715	QPSK	6	0	9.02	9.05	9.02	10.5	5	
720	QPSK	3	0	8.92	9.14	9.03			
725	QPSK	3	0	8.94	9.08	8.99	10.5	5	



Band 13 Ant1 Sensor on-ENDC									
BW [MHz]	Modulation	RS Size	RS Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dB)	MPE (dB)	
Channel									
Frequency [MHz]									
10	QPSK	1	0	21.68	21.68	21.68	22.5	0	
10	QPSK	1	25	21.68	21.68	21.68			
10	QPSK	1	49	21.68	21.68	21.68			
10	QPSK	25	0	20.44	20.44	20.44	21.5	1	
10	QPSK	25	12	20.31	20.31	20.31			
10	QPSK	25	25	20.30	20.30	20.30			
10	QPSK	50	0	20.47	20.47	20.47	21.5	1	
10	16QAM	1	0	20.34	20.34	20.34			
10	16QAM	1	25	20.49	20.49	20.49			
10	16QAM	1	49	20.42	20.42	20.42	20.5	2	
10	16QAM	25	0	19.35	19.35	19.35			
10	16QAM	25	12	19.29	19.29	19.29			
10	16QAM	25	25	19.22	19.22	19.22	20.5	2	
10	16QAM	50	0	19.16	19.16	19.16			
10	16QAM	1	0	19.20	19.20	19.20	20.5	2	
10	84QAM	1	25	19.23	19.23	19.23			
10	84QAM	1	49	19.34	19.34	19.34			
10	84QAM	25	0	18.36	18.36	18.36	19.5	3	
10	84QAM	25	12	18.30	18.30	18.30			
10	84QAM	25	25	18.22	18.22	18.22			
10	84QAM	50	0	18.34	18.34	18.34	17.5	5	
10	256QAM	1	25	18.60	18.60	18.60			
10	256QAM	1	49	18.51	18.51	18.51			
10	256QAM	25	0	18.60	18.60	18.60	17.5	5	
10	256QAM	25	12	18.59	18.59	18.59			
10	256QAM	25	25	18.48	18.48	18.48			
10	256QAM	50	0	18.43	18.43	18.43			

Band 14 Ant1 Sensor on-ENDC									
BW [MHz]	Modulation	RS Size	RS Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dB)	MPE (dB)	
Channel									
Frequency [MHz]									
10	QPSK	1	0	21.43	21.43	21.43	22.5	0	
10	QPSK	1	25	21.36	21.36	21.36			
10	QPSK	1	49	21.30	21.30	21.30			
10	QPSK	25	0	20.37	20.37	20.37	21.5	1	
10	QPSK	25	12	20.33	20.33	20.33			
10	QPSK	25	25	20.30	20.30	20.30			
10	QPSK	50	0	20.36	20.36	20.36	21.5	1	
10	16QAM	1	0	20.22	20.22	20.22			
10	16QAM	1	25	20.34	20.34	20.34			
10	16QAM	1	49	20.17	20.17	20.17	20.5	2	
10	16QAM	25	0	19.36	19.36	19.36			
10	16QAM	25	12	19.19	19.19	19.19			
10	16QAM	25	25	19.20	19.20	19.20	20.5	2	
10	16QAM	50	0	19.31	19.31	19.31			
10	84QAM	1	0	19.29	19.29	19.29	20.5	2	
10	84QAM	1	25	19.31	19.31	19.31			
10	84QAM	1	49	19.45	19.45	19.45			
10	84QAM	25	0	18.32	18.32	18.32	19.5	3	
10	84QAM	25	12	18.23	18.23	18.23			
10	84QAM	25	25	18.16	18.16	18.16			
10	84QAM	50	0	18.40	18.40	18.40	17.5	5	
10	256QAM	1	25	18.61	18.61	18.61			
10	256QAM	1	49	18.40	18.40	18.40			
10	256QAM	25	0	18.59	18.59	18.59	17.5	5	
10	256QAM	25	12	18.50	18.50	18.50			
10	256QAM	25	25	18.48	18.48	18.48			
10	256QAM	50	0	18.37	18.37	18.37			

Band 17 Ant1 Sensor on-ENDC									
BW [MHz]	Modulation	RS Size	RS Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dB)	MPE (dB)	
Channel									
Frequency [MHz]									
10	QPSK	1	0	21.80	21.81	21.47	22.5	0	
10	QPSK	1	25	21.43	21.43	21.43			
10	QPSK	1	49	21.69	21.62	21.40			
10	QPSK	25	0	20.54	20.68	20.55	21.5	1	
10	QPSK	25	12	20.43	20.41	20.41			
10	QPSK	25	25	20.51	20.65	20.40			
10	QPSK	50	0	20.62	20.74	20.55	21.5	1	
10	16QAM	1	0	20.55	20.70	20.40			
10	16QAM	1	25	20.59	20.61	20.40			
10	16QAM	1	49	20.60	20.59	20.36	20.5	2	
10	16QAM	25	0	19.59	19.62	19.36			
10	16QAM	25	12	19.52	19.55	19.40			
10	16QAM	25	25	19.56	19.71	19.44	20.5	2	
10	16QAM	50	0	19.54	19.70	19.44			
10	84QAM	1	0	19.64	19.67	19.44	20.5	2	
10	84QAM	1	25	19.50	19.60	19.46			
10	84QAM	1	49	19.75	19.75	19.56			
10	84QAM	25	0	18.51	18.56	18.40	19.5	3	
10	84QAM	25	12	18.51	18.72	18.51			
10	84QAM	25	25	18.59	18.59	18.48			
10	84QAM	50	0	18.62	18.85	18.54	17.5	5	
10	256QAM	1	25	18.64	18.60	18.60			
10	256QAM	1	49	18.76	18.82	18.78			
10	256QAM	25	0	18.81	18.80	18.68	17.5	5	
10	256QAM	25	12	18.55	18.81	18.88			
10	256QAM	25	25	18.73	18.77	18.78			
10	256QAM	50	0	18.34	18.65	18.54			

Band 25 Ant1 Sensor on-ENDC										
BW [MHz]	Modulation	RS Size	RS 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	13.94	14.13	13.87	15.5	0		
20	QPSK	1	49	13.94	14.03	13.82				
20	QPSK	1	99	13.87	14.07	13.82				
20	QPSK	50	0	12.67	13.12	12.91	14.5	1		
20	QPSK	50	24	12.67	13.07	12.88				
20	QPSK	50	50	12.60	12.95	12.88				
20	QPSK	150	0	12.60	13.02	12.86	14.5	1		
20	16QAM	1	0	12.64	12.94	12.79				
20	16QAM	1	49	12.65	12.93	12.98				
20	16QAM	1	99	12.64	13.02	12.86	13.5	2		
20	16QAM	50	0	11.98	12.02	11.90				
20	16QAM	50	24	11.93	11.95	11.94				
20	16QAM	50	50	11.75	12.06	11.93	12.5	3		
20	16QAM	150	0	11.95	12.00	11.92				
20	84QAM	1	0	11.90	12.02	11.77				
20	84QAM	1	49	11.86	11.97	11.97	12.5	3		
20	84QAM	1	99	11.92	12.05	11.87				
20	84QAM	50	0	10.76	11.00	10.81				
20	84QAM	50	24	10.79	11.01	10.78	12.5	3		
20	84QAM	50	50	11.91	11.00	10.98				
20	84QAM	150	0	10.83	11.05	10.94				
20	256QAM	1	0	9.26	9.14	9.24	10.5	5		
20	256QAM	1	49	9.31	9.25	9.35				
20	256QAM	1	99	9.12	9.07	9.11				
20	256QAM	50	0	9.16	9.10	9.24	10.5	5		
20	256QAM	50	24	9.24	9.17	9.19				
20	256QAM	50	50	9.14	9.26	9.11				
20	256QAM	150	0	9.04	9.04	9.04				
Channel										
Frequency [MHz]										
16	QPSK	1	0	13.85	13.99	13.77	15.5	0		
16	QPSK	1	49	13.73	13.93	13.67				
16	QPSK	1	74	13.73	13.93	13.67				
16	QPSK	36	0	12.72	13.07	12.84	14.5	1		
16	QPSK	36	18	12.72	13.07	12.84				
16	QPSK	36	36	12.73	12.87	12.83				
16	QPSK	75	0	12.60	12.97	12.77	14.5	1		
16	16QAM									
16	16QAM									
16	QPSK	36	0	12.73	12.87	12.83	14.5	1		
16	16QAM	1	37	12.81	12.88	12.94				
16	16QAM	1	74	12.84	12.95	12.79				
16	QPSK	36	0	11.74	11.93	11.85	13.5	2		
16	16QAM	36	20	11.84	11.82	11.71				
16	16QAM	36	36	11.82	11.80	11.82				
16	QPSK	75	0	11.71	11.86	11.89	13.5	2		
16	16QAM	75	0	11.81	11.89	11.73				
16	16QAM	75	0	11.81	11.89	11.73				
16	QPSK	1	0	11.81	11.89	11.73	13.5	2		
16	16QAM	1	49	11.81	11.89	11.73				
16	16QAM	1	74	11.85	11.94	11.78				
16	QPSK	36	0	10.66	10.89	10.71	12.5	3		
16	16QAM	36	0	10.65	10.87	10.67				
16	16QAM	36	36	10.72	10.87	10.91				
16	QPSK	75	0	10.72	10.97	10.88	12.5	3		
16	16QAM	75	0	10.72	10.97	10.88				
16	16QAM	75	0	10.72	10.97	10.88				
16	256QAM	1	37	9.28	9.25	9.27	10.5	5		
16	256QAM	1	74	9.14	9.16	9.04				
16	256QAM	1	111	9.24	9.14	9.24				
16	256QAM	36	20	9.15	9.15	9.24	10.5	5		
16	256QAM	36	36	9.12	9.25	9.15				
16	256QAM	36	74	9.17	9.27	9.17				
16	256QAM	75	0	9.07	9.07	9.05				
Channel										
Frequency [MHz]										
20	QPSK	1	0	13.97	14.06	13.72	15.5	0		
20	QPSK	1	24	13.72	13.99	13.84				
20	QPSK	1	49	13.80	13.95	13.70				
20	QPSK	1	74	13.77	13.97	13.61	14.5	1		
20	QPSK	24	12	12.60	12.95	12.77				
20	QPSK	24	25	12.69	12.88	12.76				
20	QPSK	24	49	12.64	12.95	12.72	14.5	1		
20	QPSK	24	74	12.78	13.01	12.72				
20	16QAM	24	25	12.78	12.87	12.91				
20	QPSK	24	99	12.64	12.94	12.79	14.5	1		
20	16QAM	24	12	11.85	11.81	11.74				
20	16QAM	24	49	11.86	11.80	11.81				
20	QPSK	50	0	11.78	11.90	11.81	13.5	2		
20	16QAM	50	0	11.87	11.79	11.79				
20	16QAM	50	24	11.82	11.88	11.88				
20	QPSK	50	24	11.86	11.97	11.74	13.5	2		
20	16QAM	50	24	11.87	11.88	11.88				
20	16QAM	50	50	11.86	11.87	11.88				
20	QPSK	150	0	10.70	10.88	10.75	12.5	3		
20	16QAM	150	0	10.92	10.86	10.85				
20	16QAM	150	25	10.92	10.86	10.85				
20	QPSK	1	0	9.20	9.15	9.32	10.5	5		
20	QPSK	1	25	9.31	9.26	9.21				
20	QPSK	1	50	9.24	9.19	9.22				
20	QPSK	25	0	9.24	9.19	9.22	10.5	5		
20	QPSK	25	12	9.14	9.19	9.24				
20	QPSK	25	25	9.17	9.07	9.07				
20	QPSK	50	0	8.97	8.97	9.05				
Channel										
Frequency [MHz]										
5	QPSK	1	0	13.79	14.03	13.77	15.5	0		
5	QPSK	1	12	13.70	14.00	13.80				
5	QPSK	1	24	13.72	13.95	13.77				
5	QPSK	12	7	12.85	13.07	12.79	14.5	1		
5	QPSK	12	19	12.80	13.02	12.79				
5	QPSK	12	31	12.80	13.01	12.79				
5	QPSK	25	0	12.80	13.31	12.79	14.5	1		
5	16QAM	25	0	12.84	12.95	12.71				
5	16QAM	25	12	12.84	12.94	12.84				
5	QPSK	25	12	12.80	12.87	12.81	13.5	2		
5	16QAM	25	12	11.80	11.89	11.82				
5	16QAM	25	25	11.72	11.86	11.88				
5	QPSK	25	25	11.72	11.89	11.89	13.5	2		
5	16QAM	25	25	11.72	11.86	11.88				
5	16QAM	25	50	11.72	11.89	11.88				
5	QPSK	1	12	11.78	11.87	11.65	13.5	2		
5	16QAM	1	25	11.90	11.98	11.74				
5	16QAM	1	37	11.90	11.88	11.88				
5	QPSK	12	13	10.97	10.99	10.99	12.5	3		
5	QPSK	12	19	10.79	10.79	10.88				
5	QPSK	12	31	10.95	10.98	10.72				
5	QPSK	1	0	9.25	9.22	9.23	10.5	5		
5	256QAM	1	12	9.25	9.20	9.24				
5	256QAM	1	24	9.15	9.05	9.14				
5	QPSK	12	13	9.24	9.28	9.23	10.5	5		
5	256QAM	12	13	9.09	9.24	9.15				
5	256QAM	12	19	9.09	9.24	9.15				
5	256QAM	25	0	9.01	9.03	9.07				
Channel										
Frequency [MHz]										
3	QPSK	1	0	13.88	14.00	13.78	15.5	0		
3	QPSK	1	6	13.79	13.95	13.91				
3	QPSK	1	12	13.72	13.93	13.86				
3	QPSK	8	0	12.75	12.98	12.85	14.5	1		
3	QPSK	8	4	12.62	13.02	12.78				
3	QPSK	8	12	12.77	12.82	12.73				
3	QPSK	16	0	12.78	13.04	12.81	14.5	1		
3	16QAM	16	0	12.67	12.97	12.71				
3	16QAM	16	8	12.80	12.97	12.85				
3	QPSK	1	14	12.80	12.89	12.72	13.5	2		
3	16QAM	1	12	11.82	11.92	11.80				
3	16QAM	1	24	11.81	11.80	11.81				
3	QPSK	8	4	11.81	11.80	11.77	13.5	2		
3	16QAM	8	4	11.85	11.89	11.69				
3	16QAM	8	12	11.77	11.80	11.87				
3	QPSK	8	0	10.77	11.00	10.87	12.5	3		
3	16QAM	8	0	10.77	10.95	10.86				
3	16QAM	8	8	10.84	10.95	10.97				
3	QPSK	16	0	10.70	10.93	10.82	12.5	3		
3	256QAM	1	0	9.20	9.22	9.32				
3	256QAM	1	8	9.24	9.24	9.23				
3	QPSK	1	14	9.18	9.14	9.14	10.5	5		
3	256QAM	1	14	9.18	9.14	9.14				
3	256QAM	1	24	9.18	9.14	9.14				
3	QPSK	8	0	9.18	9.22	9.30	10.5	5		
3	256QAM	8	0	9.20	9.13	9.21				
3	256QAM	8	7	9.17	9.23	9.18				
3	256QAM	16	0	9.04	9.08	9.01				
Channel										
Frequency [MHz]										
1.4	QPSK	1	0	13.88	14.00	13.78	15.5	0		
1.4	QPSK	1	6	13.79	13.95	13.91				
1.4	QPSK	1	12	13.72	13.93	13.86				
1.4	QPSK	1	0	13.75	13.98	12.85	14.5	1		
1.4	QPSK	1	6	12.62	13.02	12.78				
1.4	QPSK	1	12	12.77	12.82	12.73				
1.4	QPSK	16	0	12.78	13.04	12.81	14.5	1		
1.4	16QAM	16	0	12.67	12.97	12.71				
1.4	16QAM	16	8	12.80	12.97	12.85				
1.4	QPSK	1	14	12.80	12.89	12.72	13.5	2		
1.4	16QAM	1	12	11.82	11.92	11.80				
1.4	16QAM	1	24	11.81	11.80	11.81				
1.4	QPSK	8	4	11.81	11.80	11.77	13.5	2		
1.4	16QAM	8	4	11.85	11.89	11.69				
1.4	16QAM	8	12	11.77	11.80	11.87				
1.4	QPSK	8	0	10.77	11.00	10.87	12.5	3		
1.4	16QAM	8	0	10.77	10.95	10.86				
1.4	16QAM	8	8	10.84	10.95	10.97				
1.4	QPSK	16	0	10.70	10.93	10.82	12.5	3		
1.4	256QAM	1	0	9.20	9.22	9.32				
1.4	256Q									

Band 26 Ant1 Sensor on-ENDC										
BM (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPR (dB)		
Channel										
Frequency (MHz)				26765	26865	26965				
15	QPSK	1	0	22.08	22.13	22.02	23	0		
15	QPSK	1	37	21.93	22.07	21.91				
15	QPSK	1	74	21.90	22.05	21.84				
15	QPSK	36	0	20.81	21.02	20.81	22	1		
15	QPSK	36	20	20.99	20.99	20.89				
15	QPSK	75	0	20.96	21.03	21.02				
15	16QAM	1	0	20.98	20.99	21.15	22	1		
15	16QAM	1	37	20.78	21.04	20.94				
15	16QAM	1	74	20.96	21.15	20.94				
15	16QAM	36	0	19.98	20.17	19.96	21	2		
15	16QAM	36	20	19.81	20.02	19.96				
15	16QAM	36	36	19.86	20.05	19.85				
15	16QAM	75	0	20.08	19.98	19.92	20	3		
15	16QAM	1	0	20.10	20.20	19.95				
15	8QAM	1	37	19.92	19.94	19.85				
15	8QAM	1	74	19.82	20.08	19.82	21	2		
15	8QAM	36	0	19.09	19.16	19.05				
15	8QAM	36	20	18.90	19.11	18.79				
15	8QAM	75	0	19.05	19.20	18.99	18	5		
15	256QAM	1	0	17.05	17.05	17.07				
15	256QAM	1	37	17.01	17.21	17.03				
15	256QAM	1	74	16.99	16.90	16.84	18	5		
15	256QAM	36	0	16.95	17.01	16.92				
15	256QAM	36	20	17.02	16.94	17.02				
15	256QAM	36	36	16.89	16.98	16.78	20	3		
Channel										
Frequency (MHz)				26743	26843	26943	Turn-up Int. (dB)	MPR (dB)		
10	QPSK	1	0	22.05	22.04	21.88	23	0		
10	QPSK	1	26	21.87	22.04	21.78				
10	QPSK	1	49	21.81	21.96	21.79				
10	QPSK	25	0	20.94	21.00	20.83	22	1		
10	QPSK	25	12	20.70	20.98	20.69				
10	QPSK	25	25	20.95	20.89	20.81				
10	QPSK	50	0	20.88	20.99	20.91	22	1		
10	16QAM	1	0	20.88	20.88	21.12				
10	16QAM	1	25	20.72	20.98	20.69				
10	16QAM	1	49	20.56	21.03	20.68	21	2		
10	16QAM	25	0	19.84	20.06	19.82				
10	16QAM	25	12	19.77	19.88	19.84				
10	16QAM	50	0	19.73	19.86	19.79	20	3		
10	16QAM	50	0	19.98	19.93	19.79				
10	8QAM	1	0	19.98	20.08	19.83				
10	8QAM	1	25	19.82	19.97	19.77	21	2		
10	8QAM	1	49	19.71	19.97	19.77				
10	8QAM	25	0	18.92	19.01	18.85				
10	8QAM	25	12	18.73	18.88	18.85	20	3		
10	8QAM	25	25	18.92	19.01	18.85				
10	8QAM	50	0	18.92	19.09	18.95				
10	256QAM	1	0	16.86	17.00	16.77	18	5		
10	256QAM	1	25	17.05	17.09	17.00				
10	256QAM	1	49	16.90	16.87	16.94				
10	256QAM	36	0	17.02	17.04	17.07	18	5		
10	256QAM	36	20	17.01	16.94	16.93				
10	256QAM	36	36	16.99	17.03	16.93				
10	256QAM	75	0	16.84	16.88	16.81	20	3		
Channel										
Frequency (MHz)				26715	26815	26915	Turn-up Int. (dB)	MPR (dB)		
5	QPSK	1	0	21.64	21.62	21.48	23	0		
5	QPSK	1	12	21.83	21.98	21.86				
5	QPSK	1	24	21.80	21.99	21.79				
5	QPSK	12	0	20.92	20.98	20.87	22	1		
5	QPSK	12	7	20.75	20.96	20.87				
5	QPSK	12	13	20.93	20.92	20.75				
5	16QAM	1	0	20.95	20.94	21.10	22	1		
5	16QAM	1	12	20.65	20.98	20.79				
5	16QAM	1	24	20.80	21.08	20.81				
5	16QAM	12	0	19.85	20.02	19.81	21	2		
5	16QAM	12	7	19.74	19.89	19.84				
5	16QAM	12	13	19.82	19.98	19.73				
5	8QAM	1	0	19.98	19.85	19.87	20	3		
5	8QAM	1	0	20.00	20.15	19.86				
5	8QAM	1	12	19.77	19.83	19.81				
5	8QAM	1	24	19.72	19.95	19.75	21	2		
5	8QAM	12	0	19.03	19.02	18.91				
5	8QAM	12	7	18.77	18.81	18.83				
5	8QAM	12	13	18.84	19.01	18.70	20	3		
5	8QAM	25	0	18.93	19.08	18.91				
5	256QAM	1	0	17.01	16.95	16.91				
5	256QAM	1	12	17.05	17.04	17.07	18	5		
5	256QAM	1	24	16.93	16.85	16.85				
5	256QAM	12	0	17.04	17.00	17.05				
5	256QAM	12	7	17.02	17.03	16.93	18	5		
5	256QAM	12	13	16.95	17.05	16.92				
5	256QAM	25	0	16.77	16.78	16.77				
Channel										
Frequency (MHz)				26767	26867	26967	Turn-up Int. (dB)	MPR (dB)		
3	QPSK	1	0	21.63	21.62	21.48	23	0		
3	QPSK	1	8	21.84	21.99	21.87				
3	QPSK	1	14	21.87	21.95	21.82				
3	QPSK	8	0	20.87	21.00	20.81	22	1		
3	QPSK	8	4	20.68	20.90	20.64				
3	QPSK	8	7	20.95	20.87	20.74				
3	16QAM	1	0	20.85	20.98	20.85	22	1		
3	16QAM	1	0	20.92	20.93	21.02				
3	16QAM	1	8	20.73	21.00	20.87				
3	16QAM	1	14	20.85	21.08	20.85	21	2		
3	16QAM	8	0	19.91	20.05	19.89				
3	16QAM	8	4	19.76	19.99	19.85				
3	16QAM	8	7	19.76	19.95	19.73	20	3		
3	16QAM	15	0	20.01	19.87	19.88				
3	8QAM	1	0	20.03	20.13	19.87				
3	8QAM	1	8	19.79	19.89	19.82	21	2		
3	8QAM	1	14	19.68	19.90	19.72				
3	8QAM	8	0	18.99	19.04	19.00				
3	8QAM	8	4	18.79	19.91	19.82	20	3		
3	8QAM	8	7	18.85	18.97	18.79				
3	8QAM	15	0	18.96	19.11	18.84				
3	256QAM	1	0	17.09	16.94	17.06	18	5		
3	256QAM	1	8	17.07	17.03	17.01				
3	256QAM	1	14	16.98	16.85	16.96				
3	256QAM	8	0	16.96	17.05	17.08				

Band 48 Ant3 Sensor on-ENDC										
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				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	14.18	14.36	14.16	14.24	15	0	
20	QPSK	1	49	14.06	14.26	14.13	14.11			
20	QPSK	1	99	14.12	14.31	14.06	14.26			
20	QPSK	50	0	13.13	13.33	13.03	13.31			
20	QPSK	50	24	13.11	13.24	13.19	13.30	14	1	
20	QPSK	50	50	13.14	13.30	13.05	13.20			
20	QPSK	100	0	13.07	13.24	13.07	13.21			
20	16QAM	1	0	13.20	13.33	13.24	13.27			
20	16QAM	1	49	13.12	13.29	13.11	13.19	14	1	
20	16QAM	1	99	13.06	13.34	13.11	13.21			
20	16QAM	50	0	12.15	12.22	12.11	12.12			
20	16QAM	50	24	12.10	12.14	12.14	12.20			
20	16QAM	50	50	12.09	12.34	12.02	12.21	13	2	
20	16QAM	100	0	12.24	12.31	12.28	12.29			
20	64QAM	1	0	12.17	12.29	12.04	12.14			
20	64QAM	1	49	12.01	12.31	12.02	12.14			
20	64QAM	1	99	12.27	12.31	11.98	12.06	13	2	
20	64QAM	50	0	11.15	11.26	11.03	11.29			
20	64QAM	50	24	11.09	11.29	11.15	11.07			
20	64QAM	50	50	11.04	11.19	11.14	11.22			
20	256QAM	1	0	11.27	11.28	11.20	11.33	10	5	
20	256QAM	1	49	9.37	9.32	9.37	9.29			
20	256QAM	1	99	9.29	9.17	9.27	9.19			
20	256QAM	50	0	9.29	9.29	9.31	9.34			
20	256QAM	50	24	9.24	9.31	9.34	9.24	10	5	
20	256QAM	50	50	9.27	9.36	9.23	9.30			
20	256QAM	100	0	9.16	9.17	9.07	9.16			
Channel				55315	55820	56160	56665			
Frequency (MHz)				3557.5	3608	3642	3692.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	14.11	14.29	14.04	14.11	15	0	
15	QPSK	1	37	13.96	14.12	14.05	13.98			
15	QPSK	1	74	14.00	14.18	13.95	14.16			
15	QPSK	36	0	13.06	13.19	12.96	13.17			
15	QPSK	36	20	13.05	13.13	13.10	13.24	14	1	
15	QPSK	36	39	13.00	13.22	12.91	13.15			
15	QPSK	75	0	12.96	13.13	13.00	13.13			
15	16QAM	1	0	13.08	13.28	13.15	13.19			
15	16QAM	1	37	13.04	13.25	13.01	13.13	14	1	
15	16QAM	1	74	12.99	13.28	13.08	13.18			
15	16QAM	36	0	12.09	12.11	12.05	12.02			
15	16QAM	36	20	12.06	12.07	12.10	12.09			
15	16QAM	36	39	11.96	12.20	11.88	12.13	13	2	
15	16QAM	75	0	12.16	12.17	12.25	12.16			
15	64QAM	1	0	12.06	12.26	11.97	12.09			
15	64QAM	1	37	11.88	12.18	11.89	12.02			
15	64QAM	1	74	12.19	12.24	11.95	12.02	13	2	
15	64QAM	36	0	11.04	11.15	10.92	11.18			
15	64QAM	36	20	11.07	11.14	11.11	11.03			
15	64QAM	36	39	10.97	11.11	11.08	11.11			
15	64QAM	75	0	11.22	11.17	11.16	11.27	12	3	
15	256QAM	1	0	9.27	9.25	9.36	9.27			
15	256QAM	1	37	9.37	9.31	9.36	9.37			
15	256QAM	1	74	9.20	9.20	9.29	9.19			
15	256QAM	36	0	9.25	9.37	9.22	9.35	10	5	
15	256QAM	36	20	9.29	9.29	9.34	9.31			
15	256QAM	36	39	9.18	9.36	9.21	9.35			
15	256QAM	75	0	9.07	9.13	9.15	9.13			
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	14.07	14.30	14.10	14.11	15	0	
10	QPSK	1	25	13.99	14.22	14.10	14.05			
10	QPSK	1	49	14.05	14.19	14.01	14.21			
10	QPSK	25	0	13.02	13.20	12.91	13.27			
10	QPSK	25	12	12.98	13.20	13.06	13.21	14	1	
10	QPSK	25	25	13.08	13.16	12.95	13.08			
10	QPSK	50	0	12.95	13.09	12.96	13.15			
10	16QAM	1	0	13.08	13.27	13.10	13.14			
10	16QAM	1	25	13.09	13.15	13.08	13.14	14	1	
10	16QAM	1	49	12.97	13.28	12.97	13.14			
10	16QAM	25	0	12.02	12.11	12.06	12.08			
10	16QAM	25	12	11.99	12.06	12.03	12.09			
10	16QAM	25	25	12.05	12.22	11.98	12.18	13	2	
10	16QAM	50	0	12.09	12.25	12.13	12.23			
10	64QAM	1	0	12.10	12.16	11.97	12.03			
10	64QAM	1	25	11.91	12.21	11.89	12.04			
10	64QAM	1	49	12.23	12.18	11.92	12.00	12	3	
10	64QAM	25	0	11.11	11.19	10.92	11.25			
10	64QAM	25	12	11.00	11.14	11.05	10.94			
10	64QAM	25	25	10.93	11.16	11.06	11.18			
10	64QAM	50	0	11.13	11.20	11.05	11.22	10	5	
10	256QAM	1	0	9.33	9.33	9.33	9.22			
10	256QAM	1	25	9.36	9.39	9.39	9.34			
10	256QAM	1	49	9.22	9.17	9.27	9.24			
10	256QAM	25	0	9.25	9.40	9.23	9.36	10	5	
10	256QAM	25	12	9.24	9.29	9.31	9.27			
10	256QAM	25	25	9.23	9.27	9.24	9.26			
10	256QAM	50	0	9.13	9.13	9.17	9.07			
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	14.11	14.30	14.08	14.12	15	0	
5	QPSK	1	12	13.92	14.14	14.05	14.05			
5	QPSK	1	24	14.03	14.20	14.01	14.20			
5	QPSK	12	0	13.09	13.28	12.95	13.26			
5	QPSK	12	7	13.03	13.10	13.07	13.21	14	1	
5	QPSK	12	13	13.07	13.17	12.93	13.14			
5	QPSK	25	0	12.94	13.11	12.96	13.08			
5	16QAM	1	0	13.12	13.30	13.16	13.18			
5	16QAM	1	12	13.09	13.23	12.96	13.12	14	1	
5	16QAM	1	24	13.00	13.20	12.98	13.14			
5	16QAM	12	0	12.01	12.08	12.06	12.09			
5	16QAM	12	7	11.98	12.00	12.11	12.11			
5	16QAM	12	13	12.02	12.24	11.97	12.08	13	2	
5	16QAM	25	0	12.13	12.18	12.24	12.23			
5	64QAM	1	0	12.09	12.24	11.91	12.06			
5	64QAM	1	12	11.91	12.20	11.90	12.07			
5	64QAM	1	24	12.22	12.17	11.84	11.94	12	3	
5	64QAM	12	0	11.10	11.19	10.93	11.25			
5	64QAM	12	7	10.99	11.22	11.02	10.98			
5	64QAM	12	13	10.92	11.07	11.02	11.14			
5	256QAM	1	0	9.31	9.29	9.27	9.31	10	5	
5	256QAM	1	12	9.34	9.38	9.37	9.32			
5	256QAM	1	24	9.31	9.27	9.30	9.16			
5	256QAM	12	0	9.31	9.37	9.25	9.33			
5	256QAM	12	7	9.28	9.32	9.28	9.29	10	5	
5	256QAM	12	13	9.20	9.33	9.23	9.32	10	5	
5	256QAM	25	0	9.15	9.18	9.16	9.15			

Band 48 Ant4 Sensor on-ENDC									
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				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	14.47	14.53	14.37	14.36	15.2	0
20	QPSK	1	49	14.40	14.39	14.20	14.23		
20	QPSK	1	99	14.42	14.33	14.47	14.31		
20	QPSK	50	0	13.46	13.49	13.40	13.21		
20	QPSK	50	24	13.47	13.32	13.24	13.17	14.2	1
20	QPSK	50	50	13.32	13.38	13.45	13.16		
20	QPSK	100	0	13.31	13.43	13.34	13.41		
20	16QAM	1	0	12.50	13.43	13.12	13.27		
20	16QAM	1	49	13.34	13.41	13.50	13.32	14.2	1
20	16QAM	1	99	13.46	13.34	13.32	13.39		
20	16QAM	50	0	12.50	12.42	12.28	12.43		
20	16QAM	50	24	12.47	12.44	12.25	12.17		
20	16QAM	50	50	12.36	12.35	12.42	12.33	13.2	2
20	16QAM	100	0	12.51	12.48	12.30	12.52		
20	64QAM	1	0	12.47	12.49	12.49	12.44		
20	64QAM	1	49	12.39	12.25	12.16	12.22	13.2	2
20	64QAM	1	99	12.43	12.46	12.41	12.24		
20	64QAM	50	0	11.43	11.43	11.29	11.27		
20	64QAM	50	24	11.36	11.29	11.16	11.32		
20	64QAM	50	50	11.48	11.47	11.49	11.39	12.2	3
20	64QAM	100	0	11.37	11.54	11.40	11.35		
20	256QAM	1	0	9.50	9.43	9.53	9.49		
20	256QAM	1	49	9.59	9.56	9.59	9.54	10.2	5
20	256QAM	1	99	9.40	9.38	9.47	9.46		
20	256QAM	50	0	9.46	9.51	9.43	9.55		
20	256QAM	50	24	9.46	9.45	9.55	9.48		
20	256QAM	50	50	9.46	9.46	9.39	9.48	10.2	5
20	256QAM	100	0	9.32	9.30	9.38	9.38		
Channel				55315	55820	56160	56695	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3606	3642	3692.5		
15	QPSK	1	0	14.40	14.44	14.24	14.31	15.2	0
15	QPSK	1	37	14.28	14.29	14.12	14.19		
15	QPSK	1	74	14.28	14.30	14.42	14.21		
15	QPSK	36	0	13.31	13.44	13.27	13.13		
15	QPSK	36	20	13.39	13.26	13.14	13.11	14.2	1
15	QPSK	36	39	13.27	13.32	13.34	13.02		
15	QPSK	75	0	13.20	13.36	13.30	13.29		
15	16QAM	1	0	13.41	13.30	13.10	13.23		
15	16QAM	1	37	13.25	13.26	13.43	13.27	14.2	1
15	16QAM	1	74	13.42	13.27	13.23	13.26		
15	16QAM	36	0	12.36	12.33	12.21	12.34		
15	16QAM	36	20	12.43	12.29	12.16	12.11		
15	16QAM	36	39	12.32	12.30	12.38	12.25	13.2	2
15	16QAM	75	0	12.57	12.34	12.22	12.23		
15	64QAM	1	0	12.34	12.45	12.39	12.33		
15	64QAM	1	37	12.33	12.16	12.11	12.15		
15	64QAM	1	74	12.40	12.33	12.26	12.14	13.2	2
15	64QAM	36	0	11.28	11.33	11.18	11.17		
15	64QAM	36	20	11.29	11.19	11.09	11.17		
15	64QAM	36	39	11.37	11.41	11.44	11.29	12.2	3
15	64QAM	75	0	11.29	11.48	11.32	11.28		
15	256QAM	1	0	9.52	9.54	9.48	9.50		
15	256QAM	1	37	9.59	9.52	9.51	9.60		
15	256QAM	1	74	9.48	9.40	9.42	9.43	10.2	5
15	256QAM	36	0	9.45	9.52	9.51	9.53		
15	256QAM	36	20	9.51	9.44	9.54	9.42		
15	256QAM	36	39	9.42	9.53	9.41	9.48		
15	256QAM	75	0	9.35	9.30	9.31	9.38	Tune-up limit (dBm)	MPR (dB)
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3696		
10	QPSK	1	0	14.33	14.41	14.26	14.26	15.2	0
10	QPSK	1	25	14.33	14.33	14.12	14.13		
10	QPSK	1	49	14.36	14.23	14.36	14.26		
10	QPSK	25	0	13.42	13.42	13.29	13.13		
10	QPSK	25	12	13.34	13.23	13.14	13.07	14.2	1
10	QPSK	25	25	13.27	13.25	13.35	13.03		
10	QPSK	50	0	13.21	13.30	13.20	13.31		
10	16QAM	1	0	13.39	13.38	13.02	13.14		
10	16QAM	1	25	13.28	13.32	13.37	13.18	14.2	1
10	16QAM	1	49	13.42	13.30	13.23	13.31		
10	16QAM	25	0	12.38	12.28	12.19	12.32		
10	16QAM	25	12	12.43	12.33	12.19	12.05		
10	16QAM	25	25	12.28	12.20	12.39	12.22	13.2	2
10	16QAM	50	0	12.55	12.38	12.22	12.23		
10	64QAM	1	0	12.37	12.40	12.38	12.35		
10	64QAM	1	25	12.35	12.20	12.04	12.09		
10	64QAM	1	49	12.38	12.35	12.26	12.16	12.2	3
10	64QAM	25	0	11.36	11.35	11.18	11.20		
10	64QAM	25	12	11.31	11.18	11.07	11.26		
10	64QAM	25	25	11.34	11.36	11.45	11.24		
10	64QAM	50	0	11.22	11.42	11.37	11.26	10.2	5
10	256QAM	1	0	9.52	9.50	9.50	9.51		
10	256QAM	1	25	9.63	9.60	9.62	9.55		
10	256QAM	1	49	9.39	9.36	9.42	9.37		
10	256QAM	25	0	9.46	9.52	9.45	9.56	10.2	5
10	256QAM	25	12	9.54	9.44	9.46	9.44		
10	256QAM	25	25	9.44	9.54	9.38	9.56		
10	256QAM	50	0	9.32	9.29	9.34	9.31		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3522.5	3607	3643	3697.5		
5	QPSK	1	0	14.35	14.46	14.24	14.29	15.2	0
5	QPSK	1	12	14.27	14.29	14.11	14.10		
5	QPSK	1	24	14.30	14.23	14.35	14.17		
5	QPSK	12	0	13.35	13.46	13.30	13.09		
5	QPSK	12	7	13.33	13.25	13.10	13.10	14.2	1
5	QPSK	12	13	13.24	13.30	13.37	13.06		
5	QPSK	25	0	13.23	13.38	13.28	13.26		
5	16QAM	1	0	13.45	13.29	13.09	13.17		
5	16QAM	1	12	13.24	13.37	13.41	13.24	14.2	1
5	16QAM	1	24	13.35	13.21	13.25	13.34		
5	16QAM	12	0	12.41	12.30	12.19	12.30		
5	16QAM	12	7	12.41	12.30	12.11	12.04		
5	16QAM	12	13	12.25	12.25	12.28	12.26	13.2	2
5	16QAM	25	0	12.51	12.39	12.23	12.21		
5	64QAM	1	0	12.44	12.41	12.42	12.37		
5	64QAM	1	12	12.36	12.16	12.13	12.12		
5	64QAM	1	24	12.36	12.38	12.38	12.17	13.2	2
5	64QAM	12	0	11.38	11.30	11.19	11.23		
5	64QAM	12	7	11.34	11.16	11.04	11.29		
5	64QAM	12	13	11.39	11.38	11.44	11.30		
5	64QAM	25	0	11.24	11.49	11.27	11.25	10.2	5
5	256QAM	1	0	9.58	9.49	9.51	9.46		
5	256QAM	1	12	9.62	9.60	9.57	9.51		
5	256QAM	1	24	9.40	9.40	9.48	9.39		
5	256QAM	12	0	9.52	9.53	9.51	9.59	10.2	5
5	256QAM	12	7	9.51	9.45	9.52	9.50		
5	256QAM	12	13	9.47	9.49	9.45	9.57		
5	256QAM	25	0	9.37	9.27	9.30	9.30		

Band 48 Ant5 Sensor on-ENDC										
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				55340	55830	56160	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	14.68	14.76	14.60	14.52	15.4	0	
20	QPSK	1	49	14.69	14.74	14.58	14.39			
20	QPSK	1	99	14.55	14.66	14.54	14.55			
20	QPSK	50	0	13.65	13.76	13.67	13.49			
20	QPSK	50	24	13.71	13.73	13.67	13.46	14.4	1	
20	QPSK	50	50	13.47	13.62	13.54	13.63			
20	QPSK	100	0	13.63	13.64	13.56	13.58			
20	16QAM	1	0	13.72	13.70	13.62	13.54			
20	16QAM	1	49	13.67	13.80	13.54	13.54	14.4	1	
20	16QAM	1	99	13.59	13.80	13.63	13.58			
20	16QAM	50	0	12.51	12.76	12.56	12.66			
20	16QAM	50	24	12.59	12.78	12.63	12.62			
20	16QAM	50	50	12.58	12.75	12.41	12.56	13.4	2	
20	16QAM	100	0	12.61	12.84	12.62	12.56			
20	64QAM	1	0	12.63	12.79	12.77	12.50			
20	64QAM	1	49	12.75	12.68	12.71	12.55			
20	64QAM	1	99	12.55	12.75	12.59	12.56	13.4	2	
20	64QAM	50	0	11.55	11.76	11.73	11.67			
20	64QAM	50	24	11.60	11.76	11.66	11.47			
20	64QAM	50	50	11.67	11.77	11.50	11.51			
20	256QAM	1	0	11.66	11.68	11.53	11.45	12.4	3	
20	256QAM	1	0	9.72	9.64	9.72	9.63			
20	256QAM	1	49	9.74	9.79	9.78	9.72			
20	256QAM	1	99	9.64	9.61	9.65	9.56			
20	256QAM	50	0	9.69	9.71	9.63	9.76	10.4	5	
20	256QAM	50	24	9.69	9.66	9.75	9.71			
20	256QAM	50	50	9.58	9.69	9.64	9.66			
20	256QAM	100	0	9.57	9.54	9.54	9.59			
Channel				55315	55820	56160	56665	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3557.5	3606	3642	3692.5			
15	QPSK	1	0	14.56	14.68	14.46	14.45	15.4	0	
15	QPSK	1	37	14.64	14.69	14.53	14.26			
15	QPSK	1	74	14.40	14.61	14.44	14.50			
15	QPSK	36	0	13.60	13.71	13.58	13.43			
15	QPSK	36	20	13.61	13.63	13.61	13.34	14.4	1	
15	QPSK	36	39	13.42	13.50	13.46	13.54			
15	QPSK	75	0	13.48	13.55	13.44	13.51			
15	16QAM	1	0	13.61	13.63	13.49	13.40			
15	16QAM	1	37	13.64	13.67	13.46	13.45	14.4	1	
15	16QAM	1	74	13.47	13.73	13.59	13.50			
15	16QAM	36	0	12.47	12.71	12.46	12.55			
15	16QAM	36	20	12.51	12.64	12.56	12.52			
15	16QAM	36	39	12.50	12.70	12.31	12.52	13.4	2	
15	16QAM	75	0	12.57	12.73	12.59	12.47			
15	64QAM	1	0	12.52	12.72	12.70	12.41			
15	64QAM	1	37	12.67	12.56	12.60	12.46			
15	64QAM	1	74	12.49	12.67	12.50	12.46	13.4	2	
15	64QAM	36	0	11.40	11.72	11.63	11.54			
15	64QAM	36	20	11.49	11.71	11.56	11.37			
15	64QAM	36	39	11.64	11.69	11.46	11.38			
15	64QAM	75	0	11.56	11.56	11.49	11.31	12.4	3	
15	256QAM	1	0	9.76	9.70	9.77	9.70			
15	256QAM	1	37	9.76	9.81	9.75	9.73			
15	256QAM	1	74	9.63	9.59	9.61	9.55			
15	256QAM	36	0	9.63	9.66	9.63	9.74	10.4	5	
15	256QAM	36	20	9.70	9.63	9.71	9.64			
15	256QAM	36	39	9.65	9.70	9.61	9.65			
15	256QAM	75	0	9.47	9.57	9.48	9.51			
Channel				55290	55815	56165	56690	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3696			
10	QPSK	1	0	14.63	14.61	14.45	14.47	15.4	0	
10	QPSK	1	25	14.54	14.60	14.55	14.35			
10	QPSK	1	49	14.51	14.60	14.42	14.40			
10	QPSK	25	0	13.58	13.64	13.61	13.45			
10	QPSK	25	12	13.59	13.63	13.61	13.42	14.4	1	
10	QPSK	25	25	13.33	13.65	13.45	13.52			
10	QPSK	50	0	13.50	13.56	13.51	13.46			
10	16QAM	1	0	13.66	13.60	13.49	13.40			
10	16QAM	1	25	13.57	13.65	13.41	13.44	14.4	1	
10	16QAM	1	49	13.52	13.65	13.50	13.48			
10	16QAM	25	0	12.46	12.70	12.48	12.61			
10	16QAM	25	12	12.53	12.68	12.55	12.54			
10	16QAM	25	25	12.52	12.61	12.26	12.51	13.4	2	
10	16QAM	50	0	12.57	12.72	12.57	12.53			
10	64QAM	1	0	12.56	12.64	12.70	12.40			
10	64QAM	1	25	12.60	12.60	12.59	12.47			
10	64QAM	1	49	12.49	12.66	12.49	12.45	12.4	3	
10	64QAM	25	0	11.49	11.64	11.67	11.60			
10	64QAM	25	12	11.54	11.68	11.57	11.43			
10	64QAM	25	25	11.60	11.66	11.45	11.42			
10	64QAM	50	0	11.61	11.61	11.43	11.32	10.4	5	
10	256QAM	1	0	9.77	9.63	9.67	9.62			
10	256QAM	1	25	9.75	9.73	9.76	9.81			
10	256QAM	1	49	9.66	9.63	9.63	9.61			
10	256QAM	25	0	9.70	9.71	9.74	9.75	10.4	5	
10	256QAM	25	12	9.66	9.65	9.70	9.71			
10	256QAM	25	25	9.63	9.74	9.59	9.71			
10	256QAM	50	0	9.55	9.47	9.53	9.54			
Channel				55265	55810	56170	56715	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	14.54	14.63	14.48	14.43	15.4	0	
5	QPSK	1	12	14.60	14.60	14.55	14.25			
5	QPSK	1	24	14.46	14.51	14.39	14.49			
5	QPSK	12	0	13.57	13.67	13.62	13.44			
5	QPSK	12	7	13.57	13.66	13.52	13.43	14.4	1	
5	QPSK	12	13	13.37	13.54	13.42	13.49			
5	QPSK	25	0	13.51	13.56	13.51	13.53			
5	16QAM	1	0	13.66	13.63	13.50	13.45			
5	16QAM	1	12	13.55	13.76	13.45	13.50	14.4	1	
5	16QAM	1	24	13.48	13.70	13.50	13.52			
5	16QAM	12	0	12.43	12.63	12.46	12.60			
5	16QAM	12	7	12.49	12.72	12.51	12.48			
5	16QAM	12	13	12.54	12.62	12.32	12.47	13.4	2	
5	16QAM	25	0	12.51	12.72	12.53	12.41			
5	64QAM	1	0	12.50	12.68	12.63	12.46			
5	64QAM	1	12	12.69	12.53	12.63	12.43			
5	64QAM	1	24	12.49	12.71	12.56	12.45	13.4	2	
5	64QAM	12	0	11.48	11.61	11.65	11.52			
5	64QAM	12	7	11.50	11.62	11.56	11.37			
5	64QAM	12	13	11.56	11.71	11.40	11.41			
5	64QAM	25	0	11.61	11.56	11.44	11.36	12.4	3	
5	256QAM	1	0	9.72	9.73	9.78	9.69			
5	256QAM	1	12	9.80	9.70	9.91	9.82			
5	256QAM	1	24	9.69	9.59	9.68	9.59			
5	256QAM	12	0	9.68	9.79	9.71	9.71	10.4	5	
5	256QAM	12	7	9.71	9.63	9.75	9.83			
5	256QAM	12	13	9.65	9.71	9.65	9.76			
5	256QAM	25	0	9.57	9.47	9.50	9.52			

Band 7 Ant6 Sensor on-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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	15.18	15.38	15.30	16.5	0	
20	QPSK	1	49	15.18	15.27	15.20			
20	QPSK	1	99	15.01	15.25	15.19			
20	QPSK	50	0	14.18	14.35	14.23	15.5	1	
20	QPSK	50	24	14.00	14.21	14.29			
20	QPSK	50	50	13.13	14.26	14.30			
20	QPSK	100	0	13.97	14.32	14.16	15.5	1	
20	16QAM	1	0	14.19	14.32	14.33			
20	16QAM	1	49	14.09	14.28	14.19			
20	16QAM	1	99	14.16	14.39	14.15	14.5	2	
20	16QAM	50	0	13.24	13.50	13.35			
20	16QAM	50	24	13.21	13.44	13.15			
20	16QAM	50	50	13.16	13.30	13.13	14.5	2	
20	16QAM	100	0	13.17	13.26	13.25			
20	64QAM	1	0	13.18	13.29	13.23			
20	64QAM	1	49	13.11	13.43	13.15	14.5	2	
20	64QAM	1	99	13.13	13.34	13.30			
20	64QAM	50	0	12.24	12.36	12.30			
20	64QAM	50	24	12.22	12.33	12.34	13.5	3	
20	64QAM	50	50	12.17	12.31	12.12			
20	64QAM	100	0	12.16	12.17	12.26			
20	256QAM	1	0	10.31	10.30	10.39	11.5	5	
20	256QAM	1	49	10.41	10.35	10.41			
20	256QAM	1	99	10.31	10.24	10.19			
20	256QAM	50	0	10.24	10.39	10.30	11.5	5	
20	256QAM	50	24	10.29	10.24	10.24			
20	256QAM	50	50	10.24	10.27	10.27			
20	256QAM	100	0	10.10	10.17	10.07	Tune-up limit (dBm)		MPR (dB)
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	15.12	15.35	15.22	16.5	0	
15	QPSK	1	37	15.06	15.21	15.14			
15	QPSK	1	74	14.96	15.12	15.05			
15	QPSK	36	0	14.13	14.27	14.09	15.5	1	
15	QPSK	36	20	13.94	14.08	14.21			
15	QPSK	36	39	14.00	14.12	14.22			
15	QPSK	75	0	13.62	14.27	14.06	15.5	1	
15	16QAM	1	0	14.12	14.24	14.24			
15	16QAM	1	37	14.01	14.22	14.08			
15	16QAM	1	74	14.02	14.30	14.09	14.5	2	
15	16QAM	36	0	13.14	13.40	13.20			
15	16QAM	36	20	13.07	13.38	13.06			
15	16QAM	36	39	13.03	13.15	13.05	14.5	2	
15	16QAM	75	0	13.12	13.17	13.17			
15	64QAM	1	0	13.13	13.25	13.09			
15	64QAM	1	37	13.02	13.37	13.05	14.5	2	
15	64QAM	1	74	13.08	13.24	13.22			
15	64QAM	36	0	12.16	12.32	12.23			
15	64QAM	36	20	12.09	12.27	12.23	13.5	3	
15	64QAM	36	39	12.12	12.25	11.98			
15	64QAM	75	0	12.10	12.14	12.15			
15	256QAM	1	0	10.38	10.23	10.37	11.5	5	
15	256QAM	1	37	10.40	10.31	10.34			
15	256QAM	1	74	10.21	10.24	10.25			
15	256QAM	36	0	10.24	10.33	10.40	11.5	5	
15	256QAM	36	20	10.24	10.23	10.31			
15	256QAM	36	39	10.28	10.30	10.24			
15	256QAM	75	0	10.17	10.15	10.09	Tune-up limit (dBm)		MPR (dB)
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	15.12	15.33	15.26	16.5	0	
10	QPSK	1	25	15.09	15.23	15.13			
10	QPSK	1	49	14.85	15.22	15.13			
10	QPSK	25	0	14.12	14.22	14.14	15.5	1	
10	QPSK	25	12	13.85	14.08	14.14			
10	QPSK	25	25	14.05	14.14	14.16			
10	QPSK	50	0	13.85	14.31	14.06	15.5	1	
10	16QAM	1	0	14.06	14.28	14.26			
10	16QAM	1	25	14.00	14.15	14.12			
10	16QAM	1	49	14.09	14.36	14.10	14.5	2	
10	16QAM	25	0	13.19	13.38	13.25			
10	16QAM	25	12	13.06	13.39	13.00			
10	16QAM	25	25	13.03	13.21	13.07	14.5	2	
10	16QAM	50	0	13.07	13.22	13.14			
10	64QAM	1	0	13.06	13.21	13.13			
10	64QAM	1	25	13.01	13.35	13.04	14.5	2	
10	64QAM	1	49	13.09	13.30	13.18			
10	64QAM	25	0	12.21	12.28	12.22			
10	64QAM	25	12	12.10	12.27	12.23	13.5	3	
10	64QAM	25	25	12.13	12.26	12.02			
10	64QAM	50	0	12.06	12.05	12.20			
10	256QAM	1	0	10.29	10.30	10.39	11.5	5	
10	256QAM	1	25	10.39	10.39	10.38			
10	256QAM	1	49	10.30	10.16	10.21			
10	256QAM	25	0	10.33	10.35	10.38	11.5	5	
10	256QAM	25	12	10.35	10.33	10.32			
10	256QAM	25	25	10.26	10.33	10.21			
10	256QAM	50	0	10.12	10.10	10.03	Tune-up limit (dBm)		MPR (dB)
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	15.11	15.30	15.23	16.5	0	
5	QPSK	1	12	15.05	15.16	15.12			
5	QPSK	1	24	14.89	15.22	15.06			
5	QPSK	12	0	14.15	14.28	14.20	15.5	1	
5	QPSK	12	7	13.90	14.09	14.22			
5	QPSK	12	13	14.08	14.16	14.27			
5	QPSK	25	0	13.92	14.27	14.04	15.5	1	
5	16QAM	1	0	14.16	14.23	14.29			
5	16QAM	1	12	13.97	14.17	14.05			
5	16QAM	1	24	14.05	14.30	14.00	14.5	2	
5	16QAM	12	0	13.15	13.39	13.21			
5	16QAM	12	7	13.15	13.39	13.02			
5	16QAM	12	13	13.04	13.27	13.03	14.5	2	
5	16QAM	25	0	13.05	13.20	13.15			
5	64QAM	1	0	13.10	13.22	13.12			
5	64QAM	1	12	13.05	13.32	13.05	14.5	2	
5	64QAM	1	24	13.03	13.21	13.21			
5	64QAM	12	0	12.16	12.25	12.21			
5	64QAM	12	7	12.17	12.18	12.29	13.5	3	
5	64QAM	12	13	12.03	12.23	12.00			
5	64QAM	25	0	12.02	12.05	12.23			
5	256QAM	1	0	10.30	10.32	10.41	11.5	5	
5	256QAM	1	12	10.40	10.35	10.29			
5	256QAM	1	24	10.21	10.25	10.21			
5	256QAM	12	0	10.30	10.39	10.39	11.5	5	
5	256QAM	12	7	10.32	10.24	10.31			
5	256QAM	12	13	10.26	10.28	10.19			
5	256QAM	25	0	10.16	10.14	10.04			

Band 30 Ant6 Sensor on-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				27710					
Frequency (MHz)				2310					
10	QPSK	1	0		16.33		17	0	
10	QPSK	1	25		16.26				
10	QPSK	1	49		16.31				
10	QPSK	25	0		16.26		17	0	
10	QPSK	25	12		16.23				
10	QPSK	25	25		16.21				
10	QPSK	50	0		16.24		17	0	
10	16QAM	1	0		16.17				
10	16QAM	1	25		16.20				
10	16QAM	1	49		16.22		17	0	
10	16QAM	25	0		16.21				
10	16QAM	25	12		16.23				
10	16QAM	25	25		16.21		17	0	
10	16QAM	50	0		16.22				
10	8QAM	1	0		16.20				
10	8QAM	1	25		16.19		17	0	
10	8QAM	1	49		16.25				
10	8QAM	25	0		15.08				
10	8QAM	25	12		15.04		16	1	
10	8QAM	25	25		14.91				
10	8QAM	50	0		14.91				
10	256QAM	1	0		13.23		14	3	
10	256QAM	1	25		13.20				
10	256QAM	1	49		13.26				
10	256QAM	25	0		13.06		14	3	
10	256QAM	25	12		13.17				
10	256QAM	25	25		13.19				
10	256QAM	50	0		13.04				
Channel				27695	27710	27735	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	16.11	16.18	16.11	17	0	
5	QPSK	1	12	15.99	16.13	16.03			
5	QPSK	1	24	16.02	16.11	16.02			
5	QPSK	12	0	15.95	16.17	16.06	17	0	
5	QPSK	12	7	16.05	16.15	16.02			
5	QPSK	12	13	16.05	16.15	15.99			
5	QPSK	25	0	16.04	16.09	15.98	17	0	
5	16QAM	1	0	15.96	16.07	16.02			
5	16QAM	1	12	15.98	16.17	16.05			
5	16QAM	1	24	15.99	16.17	16.07	17	0	
5	16QAM	12	0	15.96	16.15	16.03			
5	16QAM	12	7	15.99	16.09	16.03			
5	16QAM	12	13	15.97	16.14	16.07	17	0	
5	16QAM	25	0	15.93	16.15	16.01			
5	8QAM	1	0	15.96	16.12	15.98			
5	8QAM	1	12	16.01	16.09	16.02	17	0	
5	8QAM	1	24	16.04	16.10	16.02			
5	8QAM	12	0	14.90	14.97	14.95			
5	8QAM	12	7	14.90	14.90	14.80	16	1	
5	8QAM	12	13	14.64	14.76	14.79			
5	8QAM	25	0	14.77	14.87	14.75			
5	256QAM	1	0	13.16	13.18	13.22	14	3	
5	256QAM	1	12	13.23	13.21	13.20			
5	256QAM	1	24	13.16	13.12	13.13			
5	256QAM	12	0	13.18	13.30	13.21	14	3	
5	256QAM	12	7	13.20	13.14	13.17			
5	256QAM	12	13	13.18	13.21	13.25			
5	256QAM	25	0	13.01	13.02	12.97			

Band 48 Ant 8 Sensor on-ENDC										
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								55340	55830	56150
Frequency (MHz)								3560	3609	3641
20	QPSK	1	0	9.41	9.45	9.24	9.24	10.8	0	
20	QPSK	1	49	9.44	9.37	9.22	9.25			
20	QPSK	1	99	9.20	9.33	9.16	9.15			
20	QPSK	50	0	8.32	8.51	8.28	8.24			
20	QPSK	50	24	8.43	8.37	8.30	8.20	9.8	1	
20	QPSK	50	50	8.48	8.44	8.19	8.16			
20	QPSK	100	0	8.21	8.29	8.10	8.14			
20	16QAM	1	0	8.18	8.31	8.12	8.20			
20	16QAM	1	49	8.11	8.07	8.03	7.98	9.8	1	
20	16QAM	1	99	8.11	8.03	7.96	7.97			
20	16QAM	50	0	7.24	7.21	7.17	7.14			
20	16QAM	50	24	7.13	7.29	7.21	7.09			
20	16QAM	50	50	7.25	7.28	6.95	7.08	8.8	2	
20	16QAM	100	0	7.04	7.19	7.02	7.12			
20	64QAM	1	0	7.23	7.22	7.01	7.18			
20	64QAM	1	49	7.24	7.09	6.91	6.95			
20	64QAM	1	99	7.19	6.92	7.04	7.10	8.8	2	
20	64QAM	50	0	6.31	6.40	6.33	6.30			
20	64QAM	50	24	6.33	6.33	6.19	6.24			
20	64QAM	50	50	6.24	6.16	6.03	6.13			
20	64QAM	100	0	6.25	6.26	6.24	6.03	7.8	3	
20	256QAM	1	0	4.54	4.50	4.51	4.54			
20	256QAM	1	49	4.59	4.61	4.58	4.51			
20	256QAM	1	99	4.49	4.37	4.49	4.36			
20	256QAM	50	0	4.53	4.52	4.53	4.53	5.8	5	
20	256QAM	50	24	4.49	4.43	4.47	4.45			
20	256QAM	50	50	4.47	4.56	4.47	4.47			
20	256QAM	100	0	4.38	4.31	4.34	4.27			
Channel								55315	55820	56160
Frequency (MHz)								3557.5	3606	3642
15	QPSK	1	0	9.34	9.42	9.15	9.19	10.8	0	
15	QPSK	1	37	9.41	9.32	9.16	9.10			
15	QPSK	1	74	9.13	9.30	9.09	9.01			
15	QPSK	36	0	8.18	8.38	8.18	8.09			
15	QPSK	36	20	8.34	8.25	8.19	8.09	9.8	1	
15	QPSK	36	36	8.37	8.30	8.12	8.10			
15	QPSK	75	0	8.07	8.15	8.03	8.05			
15	16QAM	1	0	8.10	8.24	8.08	8.17			
15	16QAM	1	37	8.00	8.00	7.99	7.88	9.8	1	
15	16QAM	1	74	7.99	7.93	7.91	7.82			
15	16QAM	36	0	7.16	7.16	7.03	7.04			
15	16QAM	36	20	7.07	7.14	7.09	6.94			
15	16QAM	36	36	7.19	7.14	6.87	7.05	8.8	2	
15	16QAM	75	0	6.95	7.13	6.88	7.07			
15	64QAM	1	0	7.17	7.10	6.93	7.07			
15	64QAM	1	37	7.20	7.01	6.87	6.89			
15	64QAM	1	74	7.14	6.85	6.90	6.99	8.8	2	
15	64QAM	36	0	6.17	6.29	6.21	6.22			
15	64QAM	36	20	6.23	6.22	6.11	6.17			
15	64QAM	36	36	6.20	6.06	5.96	6.05			
15	64QAM	75	0	6.21	6.12	6.13	5.92	7.8	3	
15	256QAM	1	0	4.58	4.43	4.47	4.50			
15	256QAM	1	37	4.59	4.58	4.52	4.57			
15	256QAM	1	74	4.43	4.38	4.46	4.40			
15	256QAM	36	0	4.43	4.50	4.49	4.57	5.8	5	
15	256QAM	36	20	4.47	4.44	4.47	4.50			
15	256QAM	36	36	4.43	4.45	4.49	4.47			
15	256QAM	75	0	4.32	4.36	4.28	4.37			
Channel								55290	55815	56165
Frequency (MHz)								3555	3607.5	3642.5
10	QPSK	1	0	9.30	9.34	9.11	9.11	10.8	0	
10	QPSK	1	25	9.37	9.25	9.09	9.19			
10	QPSK	1	49	9.14	9.29	9.01	9.10			
10	QPSK	25	0	8.25	8.43	8.22	8.19			
10	QPSK	25	12	8.30	8.28	8.19	8.07	9.8	1	
10	QPSK	25	25	8.35	8.36	8.11	8.11			
10	QPSK	50	0	8.08	8.24	7.99	8.00			
10	16QAM	1	0	8.10	8.25	8.02	8.06			
10	16QAM	1	25	8.01	7.99	8.00	7.89	9.8	1	
10	16QAM	1	49	8.05	7.98	7.84	7.85			
10	16QAM	25	0	7.16	7.13	7.08	7.08			
10	16QAM	25	12	7.06	7.25	7.07	6.96			
10	16QAM	25	25	7.20	7.17	6.82	7.02	8.8	2	
10	16QAM	50	0	6.98	7.09	6.93	7.07			
10	64QAM	1	0	7.18	7.14	6.87	7.13			
10	64QAM	1	25	7.14	7.05	6.81	6.87			
10	64QAM	1	49	7.13	7.02	6.96	6.97	7.8	3	
10	64QAM	25	0	6.24	6.33	6.18	6.20			
10	64QAM	25	12	6.26	6.25	6.08	6.17			
10	64QAM	25	25	6.16	6.09	5.92	6.09			
10	64QAM	50	0	6.21	6.14	6.13	5.97	5.8	5	
10	256QAM	1	0	4.51	4.43	4.52	4.48			
10	256QAM	1	25	4.60	4.53	4.56	4.52			
10	256QAM	1	49	4.51	4.39	4.41	4.38			
10	256QAM	25	0	4.47	4.57	4.50	4.49	5.8	5	
10	256QAM	25	12	4.56	4.46	4.49	4.48			
10	256QAM	25	25	4.46	4.51	4.48	4.52			
10	256QAM	50	0	4.32	4.37	4.27	4.38			
Channel								55265	55810	56170
Frequency (MHz)								3522.5	3607	3643
5	QPSK	1	0	9.37	9.36	9.10	9.09	10.8	0	
5	QPSK	1	12	9.39	9.22	9.10	9.13			
5	QPSK	1	24	9.14	9.21	9.07	9.08			
5	QPSK	12	0	8.19	8.43	8.16	8.20			
5	QPSK	12	7	8.30	8.28	8.20	8.07	9.8	1	
5	QPSK	12	13	8.34	8.30	8.07	8.03			
5	QPSK	25	0	8.08	8.15	8.03	8.04			
5	16QAM	1	0	8.08	8.27	7.98	8.06			
5	16QAM	1	12	8.08	7.98	8.00	7.95	9.8	1	
5	16QAM	1	24	7.98	7.94	7.89	7.89			
5	16QAM	12	0	7.19	7.08	7.06	7.11			
5	16QAM	12	7	7.06	7.23	7.12	6.99			
5	16QAM	12	13	7.21	7.19	6.89	7.05	8.8	2	
5	16QAM	25	0	6.94	7.15	6.93	7.03			
5	64QAM	1	0	7.19	7.09	6.97	7.05			
5	64QAM	1	12	7.19	7.04	6.81	6.86			
5	64QAM	1	24	7.12	6.92	6.89	7.04	7.8	3	
5	64QAM	12	0	6.24	6.36	6.29	6.25			
5	64QAM	12	7	6.23	6.21	6.14	6.20			
5	64QAM	12	13	6.13	6.03	5.97	6.04			
5	64QAM	25	0	6.19	6.13	6.09	5.98	5.8	5	
5	256QAM	1	0	4.48	4.53	4.47	4.54			
5	256QAM	1	12	4.59	4.60	4.53	4.51			
5	256QAM	1	24	4.47	4.39	4.47	4.44			
5	256QAM	12	0	4.52	4.57	4.47	4.53	5.8	5	
5	256QAM	12	7	4.50	4.51	4.51	4.43			
5	256QAM	12	13	4.41	4.53	4.37	4.45			
5	256QAM	25	0	4.29	4.30	4.27	4.33			



Band 2 Ant0 Handheld-ENDC

BW [MHz]	Modulation	RIS Size	RIS Offset	Power Mod Ch./F.Freq.	Power Mod Ch./F.Freq.	Power Mod Ch./F.Freq.	Turn-up Time (sec)	MPR (dB)	
Channel									
Frequency [MHz]									
20	QPSK	1	0	16.20	16.20	16.27	17.5	0	
20	QPSK	1	49	16.12	16.13	16.05		0	
20	QPSK	1	99	16.01	16.01	16.02		0	
20	QPSK	50	0	15.24	15.24	15.29	16.5	1	
20	QPSK	50	24	15.11	15.09	15.10		0	
20	QPSK	50	50	15.05	15.02	15.03		0	
20	QPSK	100	0	15.09	15.05	15.21	16.5	1	
20	QPSK	100	50	15.07	15.37	15.06		0	
20	16QAM	1	49	15.18	15.20	15.06		0	
20	16QAM	50	50	15.05	15.06	15.20	15.5	2	
20	16QAM	50	99	15.11	15.08	15.04		0	
20	16QAM	50	24	14.25	14.17	13.94		0	
20	64QAM	1	0	14.04	14.21	14.00	15.5	2	
20	64QAM	1	49	14.14	14.10	13.98		0	
20	64QAM	1	99	14.18	14.00	14.13		0	
20	64QAM	50	0	13.26	13.10	13.17	14.5	3	
20	64QAM	50	24	13.18	13.15	13.07		0	
20	64QAM	50	50	13.11	13.08	12.94		0	
20	64QAM	100	0	13.09	13.16	13.34	12.5	5	
20	64QAM	100	50	13.09	13.16	13.34		0	
20	256QAM	1	49	11.42	11.37	11.14		0	
20	256QAM	1	99	11.31	11.28	11.18	12.5	5	
20	256QAM	50	24	11.33	11.29	11.32		0	
20	256QAM	50	50	11.30	11.34	11.31		0	
20	256QAM	100	0	11.25	11.31	11.34	12.5	5	
20	256QAM	100	50	11.25	11.31	11.34		0	
20	256QAM	100	99	11.25	11.31	11.34		0	
Channel									
Frequency [MHz]									
15	QPSK	1	0	16.13	16.13	16.23	17.5	0	
15	QPSK	1	49	16.04	16.04	16.02		0	
15	QPSK	1	99	15.92	15.97	15.92		0	
15	QPSK	50	0	15.20	15.20	15.20	16.5	1	
15	QPSK	50	24	15.08	14.98	14.95		0	
15	QPSK	50	50	14.97	14.93	14.96		0	
15	QPSK	100	0	15.06	15.14	15.12	16.5	1	
15	QPSK	100	50	14.92	15.02	14.98		0	
15	QPSK	100	99	14.85	14.98	14.96		0	
15	16QAM	1	37	15.09	15.09	14.99	16.5	1	
15	16QAM	50	50	14.94	14.96	15.06		0	
15	16QAM	50	99	14.81	14.71	14.67		0	
15	16QAM	50	24	14.13	14.12	13.85	15.5	2	
15	16QAM	50	50	14.06	14.10	14.44		0	
15	64QAM	1	0	13.81	14.13	13.85	15.5	2	
15	64QAM	1	49	13.92	13.89	13.84		0	
15	64QAM	1	99	14.10	14.05	14.05		0	
15	64QAM	50	0	13.13	13.07	13.16	14.5	3	
15	64QAM	50	24	13.07	13.05	12.89		0	
15	64QAM	50	50	13.02	13.02	12.89		0	
15	64QAM	100	0	12.99	13.02	13.34	12.5	5	
15	64QAM	100	50	12.99	13.02	13.34		0	
15	64QAM	100	99	12.99	13.02	13.34		0	
15	256QAM	1	37	11.43	11.43	11.35	12.5	5	
15	256QAM	1	99	11.26	11.26	11.24		0	
15	256QAM	50	24	11.34	11.34	11.34		0	
15	256QAM	50	50	11.41	11.38	11.37	12.5	5	
15	256QAM	50	99	11.24	11.41	11.28		0	
15	256QAM	100	0	11.23	11.41	11.28		0	
15	256QAM	100	50	11.23	11.41	11.28	12.5	5	
15	256QAM	100	99	11.23	11.41	11.28		0	
15	256QAM	100	99	11.23	11.41	11.28		0	
Channel									
Frequency [MHz]									
10	QPSK	1	0	16.13	16.13	16.23	17.5	0	
10	QPSK	1	49	16.04	16.04	16.02		0	
10	QPSK	1	99	15.91	16.02	15.92		0	
10	QPSK	50	0	15.20	15.20	15.20	16.5	1	
10	QPSK	50	24	15.08	14.98	14.95		0	
10	QPSK	50	50	14.91	14.92	14.90		0	
10	QPSK	100	0	15.06	15.14	15.12	16.5	1	
10	QPSK	100	50	14.92	15.02	14.98		0	
10	QPSK	100	99	14.85	14.98	14.96		0	
10	16QAM	1	37	15.09	15.09	14.99	16.5	1	
10	16QAM	50	50	14.94	14.96	15.06		0	
10	16QAM	50	99	14.81	14.71	14.67		0	
10	16QAM	50	24	14.13	14.12	13.85	15.5	2	
10	16QAM	50	50	14.06	14.10	14.44		0	
10	64QAM	1	0	13.81	14.13	13.85	15.5	2	
10	64QAM	1	49	13.92	13.89	13.84		0	
10	64QAM	1	99	14.10	14.05	14.05		0	
10	64QAM	50	0	13.13	13.07	13.16	14.5	3	
10	64QAM	50	24	13.07	13.05	12.89		0	
10	64QAM	50	50	13.02	13.02	12.89		0	
10	64QAM	100	0	12.99	13.02	13.34	12.5	5	
10	64QAM	100	50	12.99	13.02	13.34		0	
10	64QAM	100	99	12.99	13.02	13.34		0	
10	256QAM	1	37	11.43	11.43	11.35	12.5	5	
10	256QAM	1	99	11.26	11.26	11.24		0	
10	256QAM	50	24	11.34	11.34	11.34		0	
10	256QAM	50	50	11.41	11.38	11.37	12.5	5	
10	256QAM	50	99	11.24	11.41	11.28		0	
10	256QAM	100	0	11.23	11.41	11.28		0	
10	256QAM	100	50	11.23	11.41	11.28	12.5	5	
10	256QAM	100	99	11.23	11.41	11.28		0	
10	256QAM	100	99	11.23	11.41	11.28		0	
Channel									
Frequency [MHz]									
5	QPSK	1	0	16.13	16.13	16.23	17.5	0	
5	QPSK	1	49	16.04	16.04	16.02		0	
5	QPSK	1	99	15.91	16.02	15.92		0	
5	QPSK	50	0	15.20	15.20	15.20	16.5	1	
5	QPSK	50	24	15.08	14.98	14.95		0	
5	QPSK	50	50	14.91	14.92	14.90		0	
5	QPSK	100	0	15.06	15.14	15.12	16.5	1	
5	QPSK	100	50	14.92	15.02	14.98		0	
5	QPSK	100	99	14.85	14.98	14.96		0	
5	16QAM	1	37	15.09	15.09	14.99	16.5	1	
5	16QAM	50	50	14.94	14.96	15.06		0	
5	16QAM	50	99	14.81	14.71	14.67		0	
5	16QAM	50	24	14.13	14.12	13.85	15.5	2	
5	16QAM	50	50	14.06	14.10	14.44		0	
5	64QAM	1	0	13.81	14.13	13.85	15.5	2	
5	64QAM	1	49	13.92	13.89	13.84		0	
5	64QAM	1	99	14.10	14.05	14.05		0	
5	64QAM	50	0	13.13	13.07	13.16	14.5	3	
5	64QAM	50	24	13.07	13.05	12.89		0	
5	64QAM	50	50	13.02	13.02	12.89		0	
5	64QAM	100	0	12.99	13.02	13.34	12.5	5	
5	64QAM	100	50	12.99	13.02	13.34		0	
5	64QAM	100	99	12.99	13.02	13.34		0	
5	256QAM	1	37	11.43	11.43	11.35	12.5	5	
5	256QAM	1	99	11.26	11.26	11.24		0	
5	256QAM	50	24	11.34	11.34	11.34		0	
5	256QAM	50	50	11.41	11.38	11.37	12.5	5	
5	256QAM	50	99	11.24	11.41	11.28		0	
5	256QAM	100	0	11.23	11.41	11.28		0	
5	256QAM	100	50	11.23	11.41	11.28	12.5	5	
5	256QAM	100	99	11.23	11.41	11.28		0	
5	256QAM	100	99	11.23	11.41	11.28		0	
Channel									
Frequency [MHz]									
1	QPSK	1	0	16.13	16.13	16.23	17.5	0	
1	QPSK	1	49	16.04	16.04	16.02		0	
1	QPSK	1	99	15.91	16.02	15.92		0	
1	QPSK	50	0	15.20	15.20	15.20	16.5	1	
1	QPSK	50	24	15.08	14.98	14.95		0	
1	QPSK	50	50	14.91	14.92	14.90		0	
1	QPSK	100	0	15.06	15.14	15.12	16.5	1	
1	QPSK	100	50	14.92	15.02	14.98		0	
1	QPSK	100	99	14.85	14.98	14.96		0	
1	16QAM	1	37	15.09	15.09	14.99	16.5	1	
1	16QAM	50	50	14.94	14.96	15.06		0	
1	16QAM	50	99	14.81	14.71	14.67		0	
1	16QAM	50	24	14.13	14.12	13.85	15.5	2	
1	16QAM	50	50	14.06	14.10	14.44		0	
1	64QAM	1	0	13.81	14.13	13.85	15.5	2	
1	64QAM	1	49	13.92	13.89	13.84		0	
1	64QAM	1	99	14.10	14.05	14.05		0	
1	64QAM	50	0	13.13	13.07	13.16	14.5	3	
1	64QAM	50	24	13.07	13.05	12.89		0	
1	64QAM	50	50	13.02	13.02	12.89		0	
1	64QAM	100	0	12.99	13.02	13.34	12.5	5	
1	64QAM	100	50	12.99	13.02	13.34		0	
1	64QAM	100	99	12.99	13.02	13.34		0	
1	256QAM	1	37	11.43	11.43	11.35	12.5	5	
1	256QAM	1	99	11.26	11.26	11.24		0	
1	256QAM	50	24	11.34	11.34	11.34		0	
1	256QAM	50	50	11.41	11.38	11.37	12.5	5	
1	256QAM	50	99	11.24	11.41	11.28		0	
1	256QAM	100	0	11.23	11.41	11.28		0	
1	256QAM	100	50	11.23	11.41	11.28	12.5	5	
1	256QAM	100	99	11.23	11.41	11.28		0	
1	256QAM	100	99	11.23	11.41	11.28		0	
Channel									
Frequency [MHz]									
1	QPSK	1	0	16.13	16.13	16.23	17.5	0	
1	QPSK	1	49	16.04	16.04	16.02		0	
1	QPSK	1	99	15.91	16.02	15.92		0	
1	QPSK	50	0	15.20	15.20	15.20	16.5	1	
1	QPSK	50	24	15.08	14.98	14.95		0	
1	QPSK	50	50	14.91	14.92	14.90		0	
1	QPSK	100	0	15.06	15.14	15.12	16.5	1	
1	QPSK	100	50	14.92	15.02	14.98		0	
1	QPSK	100	99	14.85	14.98	14.96		0	
1	16QAM	1	37	15.09	15.09	14.99	16.5	1	



Band 2 Ant1 Handheld-ENDC

BW (MHz)	Modulation	RIS Size	RIS Offset	Power Mod Ch / Freq	Power Mod Ch / Freq	Power Mod Ch / Freq	Turn-up Time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.16	16.34	16.23	18	0		
20	QPSK	1	49	16.13	16.21	16.07				
20	QPSK	1	99	16.07	16.20	16.11				
20	QPSK	50	0	15.24	15.32	15.28	17	1		
20	QPSK	50	24	15.05	15.09	15.03				
20	QPSK	50	99	15.08	15.10	15.11				
20	QPSK	100	0	15.18	15.23	15.20	17	1		
20	16QAM	1	0	15.17	15.36	15.15				
20	16QAM	1	99	15.22	15.26	15.07				
20	16QAM	1	99	15.12	15.26	15.21	17	1		
20	16QAM	50	0	14.09	14.12	14.04				
20	16QAM	50	24	14.12	14.23	14.04				
20	16QAM	50	99	14.08	14.13	14.01	16	2		
20	16QAM	100	0	14.32	14.44	14.23				
20	64QAM	1	0	14.08	14.31	14.14				
20	64QAM	1	49	14.13	14.19	14.06	16	2		
20	64QAM	1	99	14.18	14.16	14.10				
20	64QAM	50	0	13.20	13.26	13.07				
20	64QAM	50	24	13.12	13.21	13.03	15	3		
20	64QAM	50	99	13.11	13.23	13.18				
20	256QAM	1	0	11.36	11.27	11.41				
20	256QAM	1	49	11.46	11.58	11.39	13	5		
20	256QAM	1	99	11.37	11.34	11.29				
20	256QAM	50	24	11.11	11.24	11.18				
20	256QAM	50	99	11.24	11.41	11.29	13	5		
20	256QAM	100	0	11.34	11.20	11.12				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.06	16.00	16.08			18	0
15	QPSK	1	49	16.11	16.14	16.30				
15	QPSK	1	74	16.03	16.15	16.00				
15	QPSK	36	0	15.10	15.23	15.04	17	1		
15	QPSK	36	39	15.02	15.01	15.05				
15	QPSK	75	0	15.15	15.10	15.10				
15	16QAM	1	49	15.04	15.03	15.03	17	1		
15	16QAM	1	37	15.11	15.19	15.05				
15	16QAM	36	74	15.07	15.07	15.06				
15	16QAM	36	20	14.04	14.09	14.01	16	2		
15	16QAM	36	20	14.09	14.19	14.07				
15	64QAM	1	0	14.25	14.26	14.03				
15	64QAM	1	37	14.08	14.10	14.07	15	3		
15	64QAM	36	0	13.16	13.22	13.05				
15	64QAM	36	39	13.07	13.16	13.01				
15	64QAM	36	39	13.06	13.15	13.12	13	5		
15	256QAM	1	37	11.42	11.40	11.44				
15	256QAM	1	74	11.25	11.30	11.27				
15	256QAM	36	0	11.32	11.35	11.33	13	5		
15	256QAM	36	20	11.31	11.30	11.33				
15	256QAM	36	39	11.22	11.31	11.28				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.01	16.00	16.05	18	0		
10	QPSK	1	25	16.11	16.20	16.30				
10	QPSK	1	49	16.12	16.20	16.08				
10	QPSK	25	12	15.06	15.13	15.06	17	1		
10	QPSK	25	25	15.01	15.13	15.08				
10	QPSK	25	25	15.02	15.22	15.03				
10	16QAM	1	0	15.19	15.30	15.13	17	1		
10	16QAM	1	25	15.25	15.28	15.03				
10	16QAM	1	25	14.16	14.18	14.04				
10	16QAM	25	12	14.09	14.19	14.08	16	2		
10	16QAM	25	12	14.02	14.08	14.04				
10	16QAM	50	0	14.29	14.40	14.24				
10	64QAM	1	0	14.03	14.33	14.20	16	2		
10	64QAM	1	25	14.11	14.14	14.04				
10	64QAM	1	49	14.13	14.13	14.07				
10	64QAM	25	0	13.16	13.24	13.09	15	3		
10	64QAM	25	0	13.08	13.13	13.01				
10	64QAM	25	25	13.09	13.28	13.25				
10	64QAM	50	0	13.13	13.23	13.07	13	5		
10	256QAM	1	11	11.47	11.47	11.53				
10	256QAM	1	25	11.48	11.53	11.51				
10	256QAM	1	25	11.47	11.48	11.49	13	5		
10	256QAM	25	12	11.50	11.50	11.55				
10	256QAM	25	12	11.47	11.37	11.47				
10	256QAM	25	25	11.34	11.46	11.34				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.20	16.38	16.30	18	0		
5	QPSK	1	12	16.10	16.25	16.11				
5	QPSK	1	24	16.10	16.23	16.16				
5	QPSK	12	0	15.21	15.31	15.25	17	1		
5	QPSK	12	7	15.10	15.08	15.05				
5	QPSK	12	13	15.09	15.16	15.10				
5	16QAM	1	0	15.19	15.28	15.13	17	1		
5	16QAM	1	12	15.28	15.32	15.02				
5	16QAM	1	24	15.16	15.21	15.28				
5	16QAM	12	0	14.14	14.40	14.07	16	2		
5	16QAM	12	7	14.11	14.18	14.03				
5	16QAM	12	13	14.03	14.10	14.01				
5	16QAM	25	0	14.32	14.40	14.25	16	2		
5	64QAM	1	0	14.14	14.38	14.20				
5	64QAM	1	12	14.15	14.19	14.11				
5	64QAM	1	24	14.22	14.20	14.03	15	3		
5	64QAM	12	0	13.16	13.26	13.01				
5	64QAM	12	13	13.12	13.21	13.03				
5	64QAM	12	13	13.13	13.21	13.06	13	5		
5	256QAM	1	0	11.53	11.48	11.55				
5	256QAM	1	12	11.57	11.50	11.49				
5	256QAM	1	24	11.46	11.39	11.39	13	5		
5	256QAM	12	0	11.48	11.50	11.51				
5	256QAM	12	7	11.47	11.46	11.45				
5	256QAM	12	13	11.44	11.46	11.53	13	5		
5	256QAM	12	13	11.53	11.58	11.53				
5	256QAM	12	13	11.52	11.58	11.54				
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.21	16.29	16.19	18	0		
3	QPSK	1	14	16.11	16.22	16.16				
3	QPSK	8	4	15.08	15.39	15.07				
3	QPSK	8	7	15.03	15.12	15.10	17	1		
3	QPSK	8	7	15.04	15.07	15.03				
3	16QAM	1	0	15.21	15.39	15.13				
3	16QAM	1	8	15.28	15.24	15.13	17	1		
3	16QAM	1	14	15.13	15.24	15.28				
3	16QAM	8	4	14.14	14.17	14.01				
3	16QAM	8	4	14.10	14.26	14.01	16	2		
3	16QAM	8	7	14.08	14.16	14.04				
3	16QAM	15	0	14.37	14.41	14.27				
3	64QAM	1	0	14.07	14.31	14.19	16	2		
3	64QAM	1	0	14.12	14.23	14.06				
3	64QAM	1	14	14.15	14.13	14.00				
3	64QAM	8	4	13.19	13.25	13.06	15	3		
3	64QAM	8	4	13.12	13.25	13.06				
3	64QAM	8	7	13.06	13.24	13.06				
3	256QAM	1	8	11.49	11.48	11.56	13	5		
3	256QAM	1	8	11.48	11.57	11.51				
3	256QAM	1	14	11.43	11.38	11.36				
3	256QAM	8	4	11.48	11.47	11.43	13	5		
3	256QAM	8	4	11.48	11.41	11.40				
3	256QAM	8	7	11.33	11.49	11.40				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.17	16.26	16.20	18	0		
1.4	QPSK	1	3	16.18	16.27	16.17				
1.4	QPSK	1	3	16.24	16.27	16.12				
1.4	QPSK	8	4	15.20	15.31	15.11	17	1		
1.4	QPSK	8	7	15.03	15.12	15.10				
1.4	QPSK	8	7	15.04	15.07	15.03				
1.4	16QAM	1	0	15.17	15.36	15.15	17	1		
1.4	16QAM	1	3	15.08	15.31	15.11				
1.4	16QAM	1	3	15.08	15.31	15.11				
1.4	16QAM	3	0	15.08	15.17	15.09	16	2		
1.4	16QAM	3	1	15.08	15.22	15.01				
1.4	16QAM	3	1	15.05	15.19	15.02				
1.4	16QAM	6	0	14.36	14.46	14.22	16	2		
1.4	16QAM	6	0	14.33	14.27	14.10				
1.4	16QAM	6	1	14.10	14.19	14.06				
1.4	64QAM	1	5	14.20	14.14	14.06	15	3		
1.4	64QAM	1	5	14.17	14.31	14.07				
1.4	64QAM	1	5	14.18	14.19	14.15				
1.4	64QAM	3	3	14.13	14.25	14.15	13	5		
1.4	64QAM	3	3	14.16	14.19	14.15				
1.4	64QAM	3	3	11.53	11.39	11.36				
1.4	256QAM	1	3	11.47	11.48	11.49	13	5		
1.4	256QAM	1	3	11.38	11.41	11.41				
1.4	256QAM	3	3	11.40	11.45	11.54				
1.4	256QAM	3	1	11.40	11.44	11.44	13	5		
1.4	256QAM	3	1	11.43	11.41	11.41				
1.4	256QAM	6	0	11.31	11.31	11.25				
Channel										
Frequency (MHz)										
0.8	QPSK	1	0	16.15	16.20	16.27	18	0		
0.8	QPSK	1	3	16.18	16.27	16.17				
0.8	QPSK	1	3	16.24	16.27	16.12				
0.8	QPSK	8	4	15.20	15.31	15.11	17	1		
0.8	QPSK	8	7	15.03	15.12	15.10				
0.8	QPSK	8	7	15.04	15.07	15.03				
0.8	16QAM	1	0	15.17	15.36	15.15	17	1		
0.8	16QAM	1	3	15.08	15.31	15.11				
0.8	16QAM	1	3	15.08	15.31	15.11				
0.8	16QAM	3	0	15.08	15.17	15.09	16	2		
0.8	16QAM	3	1	15.08	15.22	15.01				
0.8	16QAM	3	1	15.05	15.19	15.02				
0.8	16QAM	6	0	14.36	14.46	14.22	16	2		
0.8	16QAM	6	0	14.33	14.27	14.10				
0.8	16QAM	6	1	14.10	14.19	14.06				
0.8	64QAM	1	5	14.20	14.14	14.06	15	3		
0.8	64QAM	1	5	14.17	14.31	14.07				
0.8	64QAM	1	5	14.18	14.19	14.15				
0.8	64QAM	3	3	14.13	14.25	14.15	13	5		
0.8	64QAM	3	3	14.16	14.19	14.15				
0.8	64QAM	3	3	11.53	11.39	11.36				
0.8	256QAM	1	3	11.47	11.48	11.49	13	5		
0.8	256QAM	1	3	11.38	11.41	11.41				
0.8	256QAM	3	3	11.40	11.45	11.54				
0.8	256QAM	3	1	11.40	11.44	11.44	13			

Band 48 Ant3 Handheld-ENDC												
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				55340	55830	56150	56640					
Frequency (MHz)				3560	3609	3641	3690					
20	QPSK	1	0	19.07	19.30	19.09	19.19	20		0		
20	QPSK	1	49	18.94	19.29	19.06	19.14					
20	QPSK	1	99	19.08	19.20	19.01	19.21					
20	QPSK	50	0	18.15	18.31	17.97	18.26					
20	QPSK	50	24	17.99	18.20	18.12	18.15	19		1		
20	QPSK	50	50	18.14	18.28	18.10	18.24					
20	QPSK	100	0	17.98	18.26	18.10	18.17					
20	16QAM	1	0	18.07	18.35	18.22	18.13					
20	16QAM	1	49	18.03	18.21	18.02	18.04	19		1		
20	16QAM	1	99	17.99	18.30	18.10	18.30					
20	16QAM	50	0	17.05	17.18	17.18	17.12					
20	16QAM	50	24	17.01	17.13	17.14	17.18					
20	16QAM	50	50	17.05	17.39	17.03	17.11	18		2		
20	16QAM	100	0	17.22	17.31	17.21	17.32					
20	64QAM	1	0	17.06	17.30	17.00	17.02					
20	64QAM	1	49	16.92	17.25	17.07	17.16					
20	64QAM	1	99	17.08	17.16	16.93	17.10	18		2		
20	64QAM	50	0	16.08	16.28	16.04	16.19					
20	64QAM	50	24	16.01	16.21	16.17	15.95					
20	64QAM	50	50	15.94	16.30	16.03	16.14					
20	64QAM	100	0	16.16	16.26	16.06	16.22	17		3		
20	256QAM	1	0	14.36	14.35	14.36	14.38					
20	256QAM	1	49	14.40	14.41	14.36	14.40					
20	256QAM	1	99	14.34	14.27	14.33	14.28					
20	256QAM	50	0	14.38	14.41	14.28	14.41	15		5		
20	256QAM	50	24	14.37	14.26	14.36	14.38					
20	256QAM	50	50	14.26	14.37	14.31	14.41					
20	256QAM	100	0	14.17	14.14	14.18	14.14					
Channel				55315	55820	56160	56665	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3557.5	3606	3642	3692.5					
15	QPSK	1	0	19.02	19.24	19.03	19.05	20		0		
15	QPSK	1	37	18.86	19.22	19.01	19.05					
15	QPSK	1	74	18.99	19.07	18.95	19.16					
15	QPSK	36	0	18.07	18.18	17.87	18.17					
15	QPSK	36	20	17.90	18.14	18.06	18.03	19		1		
15	QPSK	36	39	18.01	18.14	18.04	18.16					
15	QPSK	75	0	17.89	18.21	18.03	18.14					
15	16QAM	1	0	17.95	18.21	18.08	17.98					
15	16QAM	1	37	17.93	18.09	17.95	17.99	19		1		
15	16QAM	1	74	17.92	18.23	17.99	18.26					
15	16QAM	36	0	16.96	17.05	17.09	17.08					
15	16QAM	36	20	16.93	17.05	17.00	17.14					
15	16QAM	36	39	16.92	17.29	16.91	17.05	18		2		
15	16QAM	75	0	17.14	17.25	17.09	17.17					
15	64QAM	1	0	16.97	17.20	16.89	16.96					
15	64QAM	1	37	16.82	17.21	16.99	17.02					
15	64QAM	1	74	16.95	17.09	16.87	17.06	18		2		
15	64QAM	36	0	16.00	16.20	15.90	16.14					
15	64QAM	36	20	15.93	16.13	16.05	15.81					
15	64QAM	36	39	15.87	16.26	15.97	16.07					
15	64QAM	75	0	16.04	16.18	16.01	16.18	17		3		
15	256QAM	1	0	14.42	14.32	14.34	14.35					
15	256QAM	1	37	14.37	14.36	14.46	14.38					
15	256QAM	1	74	14.31	14.29	14.27	14.23					
15	256QAM	36	0	14.29	14.39	14.34	14.45	15		5		
15	256QAM	36	20	14.41	14.31	14.30	14.37					
15	256QAM	36	39	14.27	14.39	14.22	14.31					
15	256QAM	75	0	14.12	14.18	14.18	14.22					
Channel				55290	55815	56165	56690	Tune-up limit (dbm)			MPR (db)	
Frequency (MHz)				3552	3607.5	3642.5	3696					
10	QPSK	1	0	18.93	19.23	18.95	19.09	20		0		
10	QPSK	1	25	18.84	19.24	18.96	19.07					
10	QPSK	1	49	19.04	19.07	18.91	19.13					
10	QPSK	25	0	18.04	18.25	17.89	18.17					
10	QPSK	25	12	17.84	18.07	18.00	18.10	19		1		
10	QPSK	25	25	18.01	18.16	18.06	18.21					
10	QPSK	50	0	17.86	18.15	18.06	18.11					
10	16QAM	1	0	17.95	18.20	18.11	18.08					
10	16QAM	1	25	17.93	18.06	17.96	17.99	19		1		
10	16QAM	1	49	17.89	18.26	18.00	18.20					
10	16QAM	25	0	16.93	17.10	17.12	17.02					
10	16QAM	25	12	16.90	17.00	17.07	17.09					
10	16QAM	25	25	16.93	17.31	16.92	17.02	18		2		
10	16QAM	50	0	17.12	17.22	17.14	17.18					
10	64QAM	1	0	16.92	17.17	16.90	16.91					
10	64QAM	1	25	16.79	17.15	16.95	17.05					
10	64QAM	1	49	17.01	17.03	16.83	17.01	18		2		
10	64QAM	25	0	16.01	16.22	15.92	16.05					
10	64QAM	25	12	15.88	16.18	16.06	15.89					
10	64QAM	25	25	15.81	16.20	15.89	16.01					
10	64QAM	50	0	16.10	16.14	16.01	16.10	17		3		
10	256QAM	1	0	14.37	14.37	14.38	14.39					
10	256QAM	1	25	14.40	14.35	14.41	14.44					
10	256QAM	1	49	14.29	14.28	14.30	14.25					
10	256QAM	25	0	14.31	14.44	14.36	14.35	15		5		
10	256QAM	25	12	14.37	14.34	14.31	14.32					
10	256QAM	25	25	14.24	14.34	14.33	14.35					
10	256QAM	50	0	14.11	14.14	14.22	14.21					
Channel				55265	55810	56170	56715	Tune-up limit (dbm)			MPR (db)	
Frequency (MHz)				3522.5	3607	3643	3697.5					
5	QPSK	1	0	18.99	19.22	19.05	19.09	20		0		
5	QPSK	1	12	18.86	19.18	19.03	19.09					
5	QPSK	1	24	18.98	19.12	18.94	19.08					
5	QPSK	12	0	18.08	18.21	17.88	18.21					
5	QPSK	12	7	17.88	18.08	18.02	18.09	19		1		
5	QPSK	12	13	18.04	18.18	17.96	18.09					
5	QPSK	25	0	17.89	18.18	18.05	18.06					
5	16QAM	1	0	17.95	18.25	18.16	18.09					
5	16QAM	1	12	17.99	18.18	17.95	17.99	19		1		
5	16QAM	1	24	17.85	18.21	18.03	18.19					
5	16QAM	12	0	16.97	17.11	17.15	16.99					
5	16QAM	12	7	16.87	17.08	17.07	17.09					
5	16QAM	12	13	16.94	17.33	16.98	16.99	18		2		
5	16QAM	25	0	17.09	17.22	17.14	17.27					
5	64QAM	1	0	16.93	17.25	16.92	16.97					
5	64QAM	1	12	16.78	17.11	16.97	17.07					
5	64QAM	1	24	16.94	17.01	16.85	17.00	18		2		
5	64QAM	12	0	16.02	16.19	15.95	16.10					
5	64QAM	12	7	15.91	16.12	16.04	15.85					
5	64QAM	12	13	15.86	16.23	15.94	16.02					
5	64QAM	25	0	16.08	16.13	15.92	16.16	17		3		
5	256QAM	1	0	14.34	14.33	14.33	14.29					
5	256QAM	1	12	14.41	14.45	14.38	14.45					
5	256QAM	1	24	14.28	14.27	14.27	14.21					
5	256QAM	12	0	14.34	14.44	14.28	14.31	15		5		
5	256QAM	12	7	14.33	14.33	14.38	14.33					
5	256QAM	12	13	14.29	14.38	14.34	14.38					
5	256QAM	25	0	14.21	14.14	14.19	14.12					

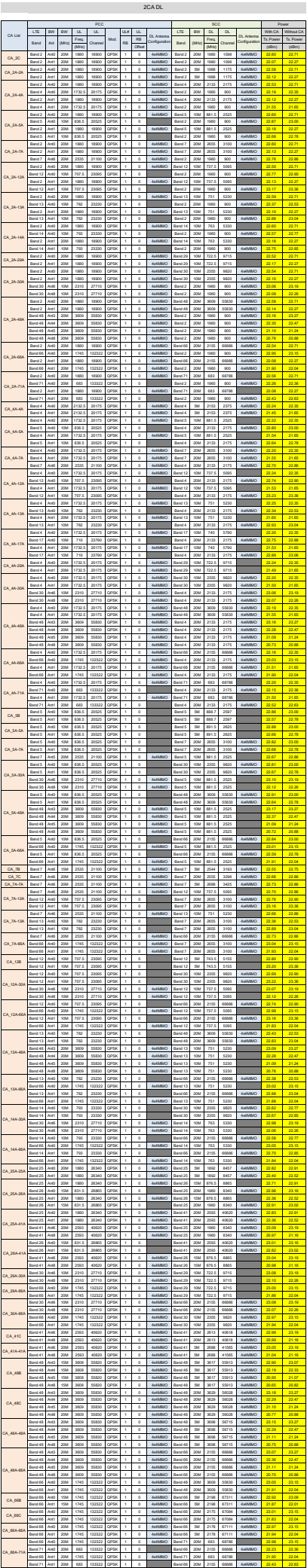
Band 48 Ant4 Handheld-ENDC										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	18.96	19.02	18.86	18.83	19.7	0	
20	QPSK	1	49	18.89	18.91	18.75	18.71			
20	QPSK	1	99	18.88	18.90	18.84	18.79			
20	QPSK	50	0	18.00	18.02	17.75	17.71			
20	QPSK	50	24	17.97	17.87	17.86	17.79	18.7	1	
20	QPSK	50	50	17.90	17.93	17.90	17.68			
20	QPSK	100	0	17.82	17.95	17.86	17.91			
20	16QAM	1	0	18.05	17.97	17.86	17.76			
20	16QAM	1	49	17.89	17.98	17.93	17.81	18.7	1	
20	16QAM	1	99	17.85	17.85	17.75	17.87			
20	16QAM	50	0	16.97	16.91	16.85	17.02			
20	16QAM	50	24	17.03	16.87	16.79	16.73			
20	16QAM	50	50	16.85	16.80	16.88	16.86	17.7	2	
20	16QAM	100	0	17.01	16.92	16.82	16.83			
20	64QAM	1	0	17.04	17.05	16.94	16.99			
20	64QAM	1	49	16.97	16.74	16.86	16.90			
20	64QAM	1	99	16.92	16.97	16.81	16.84	17.7	2	
20	64QAM	50	0	15.98	15.93	15.71	15.77			
20	64QAM	50	24	15.86	15.84	15.76	15.80			
20	64QAM	50	50	15.90	15.93	15.85	15.89			
20	64QAM	100	0	15.87	15.93	15.78	15.90	16.7	3	
20	256QAM	1	0	13.98	14.00	14.03	13.93			
20	256QAM	1	49	14.05	14.00	14.03	14.00			
20	256QAM	1	99	13.95	13.92	13.93	13.88			
20	256QAM	50	0	13.96	14.08	14.01	14.00	14.7	5	
20	256QAM	50	24	14.00	13.93	14.02	14.00			
20	256QAM	50	50	13.94	14.03	13.95	13.95			
20	256QAM	100	0	13.84	13.84	13.77	13.84			
Channel				55315	55820	56160	56695	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3606	3642	3692.5			
15	QPSK	1	0	18.85	18.95	18.71	18.72	19.7	0	
15	QPSK	1	37	18.74	18.87	18.64	18.64			
15	QPSK	1	74	18.76	18.76	18.70	18.65			
15	QPSK	36	0	17.94	17.90	17.71	17.57			
15	QPSK	36	20	17.88	17.76	17.74	17.74	18.7	1	
15	QPSK	36	39	17.76	17.79	17.80	17.60			
15	QPSK	75	0	17.79	17.80	17.80	17.79			
15	16QAM	1	0	17.97	17.92	17.71	17.61			
15	16QAM	1	37	17.86	17.90	17.87	17.75	18.7	1	
15	16QAM	1	74	17.76	17.75	17.67	17.73			
15	16QAM	36	0	16.88	16.76	16.76	16.90			
15	16QAM	36	20	16.92	16.73	16.67	16.65			
15	16QAM	36	39	16.73	16.72	16.81	16.71	17.7	2	
15	16QAM	75	0	16.96	16.82	16.71	16.77			
15	64QAM	1	0	16.99	16.98	16.87	16.86			
15	64QAM	1	37	16.84	16.68	16.72	16.78			
15	64QAM	1	74	16.84	16.87	16.66	16.76	17.7	2	
15	64QAM	36	0	15.85	15.82	15.58	15.74			
15	64QAM	36	20	15.74	15.75	15.65	15.70			
15	64QAM	36	39	15.82	15.88	15.81	15.80			
15	64QAM	75	0	15.73	15.79	15.74	15.86	16.7	3	
15	256QAM	1	0	14.03	13.93	14.04	14.01			
15	256QAM	1	37	14.08	14.03	14.01	14.03			
15	256QAM	1	74	13.95	13.89	13.91	13.95			
15	256QAM	36	0	13.97	13.99	14.04	13.99	14.7	5	
15	256QAM	36	20	14.00	14.01	13.97	13.93			
15	256QAM	36	39	13.94	14.06	13.93	14.05			
15	256QAM	75	0	13.81	13.79	13.77	13.83			
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	18.91	18.95	18.78	18.69	19.7	0	
10	QPSK	1	25	18.79	18.79	18.62	18.60			
10	QPSK	1	49	18.82	18.85	18.71	18.74			
10	QPSK	25	0	17.94	17.95	17.70	17.67			
10	QPSK	25	12	17.90	17.80	17.75	17.69	18.7	1	
10	QPSK	25	25	17.86	17.88	17.81	17.56			
10	QPSK	50	0	17.72	17.88	17.82	17.81			
10	16QAM	1	0	17.91	17.87	17.71	17.62			
10	16QAM	1	25	17.81	17.83	17.86	17.75	18.7	1	
10	16QAM	1	49	17.73	17.75	17.63	17.75			
10	16QAM	25	0	16.86	16.77	16.72	16.97			
10	16QAM	25	12	16.99	16.72	16.75	16.60			
10	16QAM	25	25	16.79	16.73	16.74	16.81	17.7	2	
10	16QAM	50	0	16.97	16.83	16.69	16.70			
10	64QAM	1	0	16.90	16.95	16.90	16.86			
10	64QAM	1	25	16.93	16.62	16.75	16.85			
10	64QAM	1	49	16.77	16.92	16.66	16.76	17.7	2	
10	64QAM	25	0	15.88	15.80	15.65	15.72			
10	64QAM	25	12	15.75	15.74	15.62	15.72			
10	64QAM	25	25	15.78	15.76	15.80	15.80			
10	64QAM	50	0	15.82	15.87	15.70	15.78	16.7	3	
10	256QAM	1	0	13.99	14.03	14.09	13.94			
10	256QAM	1	25	14.04	14.02	14.09	14.05			
10	256QAM	1	49	13.97	13.85	14.00	13.86			
10	256QAM	25	0	14.02	14.01	13.96	14.10	14.7	5	
10	256QAM	25	12	13.96	14.00	13.98	13.94			
10	256QAM	25	25	13.92	14.06	13.87	14.04			
10	256QAM	50	0	13.82	13.84	13.84	13.78			
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3522.5	3607	3643	3697.5			
5	QPSK	1	0	18.92	18.94	18.72	18.74	19.7	0	
5	QPSK	1	12	18.77	18.77	18.68	18.66			
5	QPSK	1	24	18.77	18.81	18.78	18.74			
5	QPSK	12	0	17.90	17.87	17.63	17.59			
5	QPSK	12	7	17.85	17.75	17.73	17.66	18.7	1	
5	QPSK	12	13	17.78	17.88	17.82	17.53			
5	QPSK	25	0	17.76	17.92	17.76	17.83			
5	16QAM	1	0	17.96	17.89	17.79	17.69			
5	16QAM	1	12	17.83	17.84	17.79	17.74	18.7	1	
5	16QAM	1	24	17.71	17.77	17.64	17.83			
5	16QAM	12	0	16.93	16.86	16.72	16.90			
5	16QAM	12	7	16.92	16.78	16.70	16.61			
5	16QAM	12	13	16.71	16.71	16.76	16.78	17.7	2	
5	16QAM	25	0	16.95	16.83	16.76	16.75			
5	64QAM	1	0	16.98	16.96	16.84	16.89			
5	64QAM	1	12	16.86	16.64	16.79	16.80			
5	64QAM	1	24	16.80	16.92	16.74	16.73	17.7	2	
5	64QAM	12	0	15.94	15.82	15.68	15.72			
5	64QAM	12	7	15.76	15.78	15.69	15.70			
5	64QAM	12	13	15.78	15.81	15.70	15.86			
5	64QAM	25	0	15.82	15.79	15.68	15.86	16.7	3	
5	256QAM	1	0	13.98	13.99	14.07	13.98			
5	256QAM	1	12	14.05	14.03	14.07	14.08			
5	256QAM	1	24	13.97	13.94	13.98	13.94	14.7	5	
5	256QAM	12	0	14.03	14.08	13.93	14.02			
5	256QAM	12	7	14.02	13.98	13.98	13.98			
5	256QAM	12	13	13.88	14.05	13.90	14.03			
5	256QAM	25	0	13.85	13.82	13.85	13.83			

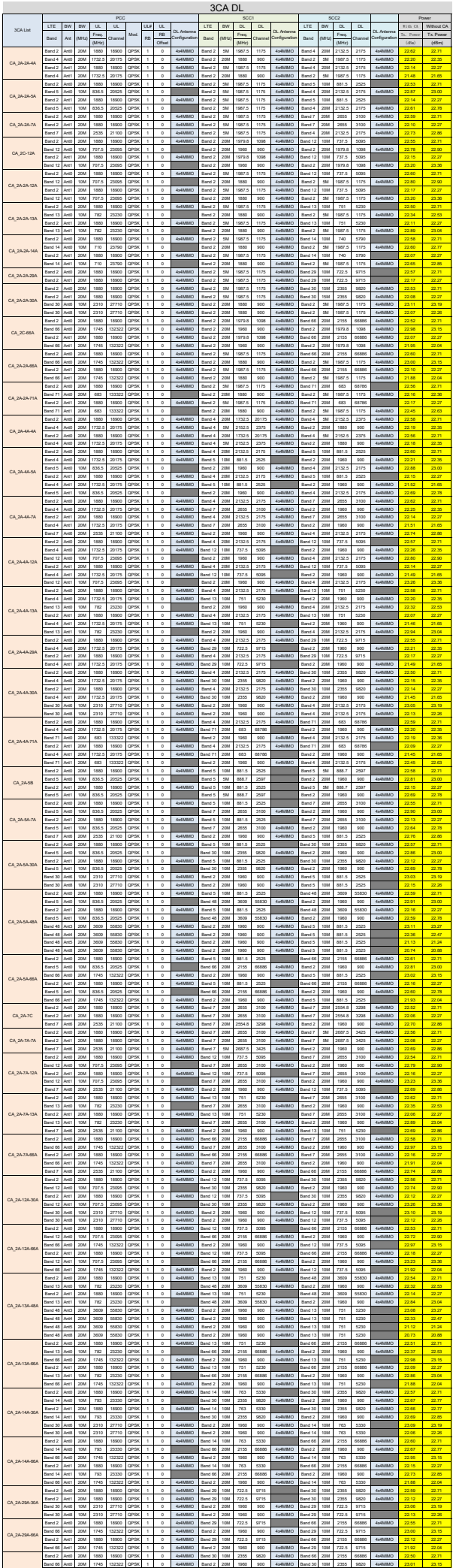
Band 48 Ant5 Handheld-ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	17.67	17.84	17.66	17.59	18.4	0
20	QPSK	1	49	17.61	17.73	17.63	17.61		
20	QPSK	1	99	17.52	17.72	17.58	17.55		
20	QPSK	50	0	16.82	16.86	16.72	16.50		
20	QPSK	50	24	16.69	16.67	16.70	16.61	17.4	1
20	QPSK	50	50	16.51	16.83	16.54	16.55		
20	QPSK	100	0	16.64	16.70	16.66	16.59		
20	16QAM	1	0	16.71	16.82	16.66	16.64		
20	16QAM	1	49	16.65	16.70	16.55	16.58	17.4	1
20	16QAM	1	99	16.59	16.84	16.61	16.66		
20	16QAM	50	0	15.63	15.86	15.62	15.70		
20	16QAM	50	24	15.68	15.68	15.67	15.63		
20	16QAM	50	50	15.57	15.76	15.55	15.56	16.4	2
20	16QAM	100	0	15.69	15.80	15.61	15.53		
20	64QAM	1	0	15.61	15.83	15.73	15.51		
20	64QAM	1	49	15.70	15.74	15.63	15.52		
20	64QAM	1	99	15.62	15.69	15.56	15.63	15.4	3
20	64QAM	50	0	14.60	14.82	14.67	14.59		
20	64QAM	50	24	14.52	14.81	14.64	14.55		
20	64QAM	50	50	14.71	14.75	14.58	14.56		
20	64QAM	100	0	14.66	14.74	14.49	14.56	13.4	5
20	256QAM	1	0	12.86	12.75	12.87	12.73		
20	256QAM	1	49	12.86	12.81	12.90	12.84		
20	256QAM	1	99	12.78	12.68	12.74	12.72		
20	256QAM	50	0	12.74	12.85	12.84	12.94	13.4	5
20	256QAM	50	24	12.77	12.78	12.85	12.79		
20	256QAM	50	50	12.70	12.77	12.76	12.82		
20	256QAM	100	0	12.64	12.68	12.62	12.60		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3606	3642	3692.5		
15	QPSK	1	0	17.53	17.76	17.56	17.47	18.4	0
15	QPSK	1	37	17.51	17.67	17.50	17.51		
15	QPSK	1	74	17.47	17.68	17.46	17.45		
15	QPSK	36	0	16.50	16.82	16.60	16.36		
15	QPSK	36	20	16.54	16.58	16.65	16.53	17.4	1
15	QPSK	36	39	16.37	16.75	16.43	16.46		
15	QPSK	75	0	16.58	16.64	16.53	16.46		
15	16QAM	1	0	16.57	16.52	16.62	16.58		
15	16QAM	1	37	16.56	16.55	16.46	16.55	16.4	2
15	16QAM	1	74	16.45	16.80	16.53	16.55		
15	16QAM	36	0	15.50	15.79	15.52	15.63		
15	16QAM	36	20	15.62	15.55	15.59	15.52		
15	16QAM	36	39	15.54	15.62	15.47	15.47	16.4	2
15	16QAM	75	0	15.57	15.76	15.47	15.42		
15	64QAM	1	0	15.47	15.70	15.68	15.37		
15	64QAM	1	37	15.62	15.63	15.57	15.40		
15	64QAM	1	74	15.51	15.59	15.45	15.57	15.4	3
15	64QAM	36	0	14.46	14.71	14.57	14.56		
15	64QAM	36	20	14.46	14.68	14.57	14.48		
15	64QAM	36	39	14.66	14.70	14.49	14.42		
15	64QAM	75	0	14.62	14.65	14.42	14.49	13.4	5
15	256QAM	1	0	12.84	12.73	12.85	12.64		
15	256QAM	1	37	12.85	12.86	12.84	12.69		
15	256QAM	1	74	12.81	12.73	12.75	12.75		
15	256QAM	36	0	12.74	12.82	12.73	12.79	13.4	5
15	256QAM	36	20	12.85	12.80	12.79	12.77		
15	256QAM	36	39	12.70	12.82	12.72	12.82		
15	256QAM	75	0	12.59	12.67	12.64	12.63		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	17.59	17.74	17.59	17.51	18.4	0
10	QPSK	1	25	17.56	17.60	17.50	17.49		
10	QPSK	1	49	17.47	17.66	17.47	17.51		
10	QPSK	25	0	16.55	16.79	16.68	16.41		
10	QPSK	25	12	16.66	16.61	16.60	16.57	17.4	1
10	QPSK	25	25	16.40	16.70	16.45	16.40		
10	QPSK	50	0	16.51	16.59	16.60	16.48		
10	16QAM	1	0	16.60	16.58	16.55	16.54		
10	16QAM	1	25	16.52	16.55	16.47	16.46	17.4	1
10	16QAM	1	49	16.47	16.69	16.56	16.53		
10	16QAM	25	0	15.53	15.73	15.50	15.59		
10	16QAM	25	12	15.59	15.56	15.57	15.49		
10	16QAM	25	25	15.47	15.72	15.48	15.52	16.4	2
10	16QAM	50	0	15.65	15.76	15.54	15.40		
10	64QAM	1	0	15.57	15.79	15.64	15.37		
10	64QAM	1	25	15.61	15.62	15.49	15.38		
10	64QAM	1	49	15.55	15.63	15.41	15.58	15.4	3
10	64QAM	25	0	14.57	14.78	14.57	14.54		
10	64QAM	25	12	14.40	14.75	14.53	14.47		
10	64QAM	25	25	14.61	14.75	14.45	14.51		
10	64QAM	50	0	14.54	14.61	14.36	14.52	13.4	5
10	256QAM	1	0	12.77	12.81	12.83	12.73		
10	256QAM	1	25	12.86	12.89	12.91	12.86		
10	256QAM	1	49	12.69	12.66	12.77	12.74		
10	256QAM	25	0	12.61	12.67	12.81	12.63	13.4	5
10	256QAM	25	12	12.75	12.79	12.76	12.71		
10	256QAM	25	25	12.71	12.78	12.70	12.84		
10	256QAM	50	0	12.63	12.65	12.62	12.59		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	17.61	17.79	17.58	17.45	18.4	0
5	QPSK	1	12	17.48	17.69	17.55	17.55		
5	QPSK	1	24	17.47	17.64	17.52	17.41		
5	QPSK	12	0	16.51	16.77	16.57	16.45		
5	QPSK	12	7	16.65	16.62	16.66	16.53	17.4	1
5	QPSK	12	13	16.38	16.74	16.49	16.47		
5	QPSK	25	0	16.50	16.59	16.53	16.56		
5	16QAM	1	0	16.58	16.49	16.61	16.61		
5	16QAM	1	12	16.57	16.55	16.46	16.50	17.4	1
5	16QAM	1	24	16.49	16.78	16.51	16.63		
5	16QAM	12	0	15.52	15.74	15.56	15.62		
5	16QAM	12	7	15.58	15.60	15.54	15.51		
5	16QAM	12	13	15.45	15.70	15.45	15.48	16.4	2
5	16QAM	25	0	15.56	15.70	15.49	15.41		
5	64QAM	1	0	15.55	15.77	15.64	15.39		
5	64QAM	1	12	15.69	15.61	15.55	15.48		
5	64QAM	1	24	15.51	15.62	15.47	15.50	15.4	3
5	64QAM	12	0	14.47	14.67	14.54	14.49		
5	64QAM	12	7	14.38	14.70	14.50	14.45		
5	64QAM	12	13	14.62	14.66	14.52	14.50		
5	64QAM	25	0	14.59	14.62	14.40	14.46	13.4	5
5	256QAM	1	0	12.62	12.78	12.68	12.77		
5	256QAM	1	12	12.91	12.83	12.92	12.86		
5	256QAM	1	24	12.69	12.68	12.77	12.70		
5	256QAM	12	0	12.83	12.79	12.74	12.84	13.4	5
5	256QAM	12	7	12.80	12.78	12.77	12.77		
5	256QAM	12	13	12.78	12.85	12.78	12.84		
5	256QAM	25	0	12.59	12.64	12.68	12.64		

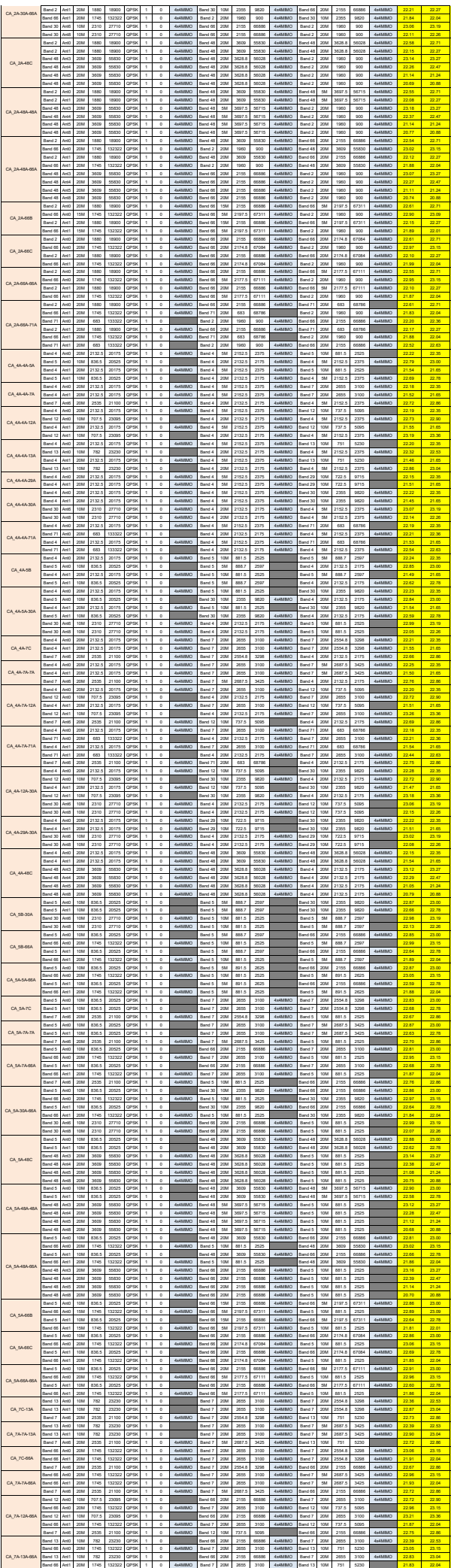
Band 7 Ant6 Handheld-ENDC												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				20850	21100	21350						
Frequency (MHz)				2510	2535	2560						
20	QPSK	1	0	14.68	14.98	14.78	16	0				
20	QPSK	1	49	14.58	14.86	14.72						
20	QPSK	1	99	14.61	14.84	14.61						
20	QPSK	50	0	14.57	14.93	14.71	16	0				
20	QPSK	50	24	14.80	14.87	14.71						
20	QPSK	50	50	14.63	14.89	14.82						
20	QPSK	100	0	14.61	14.82	14.76	16	0				
20	16QAM	1	0	14.65	14.86	14.71						
20	16QAM	1	49	14.59	14.89	14.75						
20	16QAM	1	99	14.52	14.92	14.67	16	0				
20	16QAM	50	0	14.65	14.84	14.72						
20	16QAM	50	24	14.55	14.92	14.66						
20	16QAM	50	50	14.53	14.84	14.61	16	0				
20	16QAM	100	0	14.54	14.94	14.76						
20	64QAM	1	0	14.55	14.91	14.61						
20	64QAM	1	49	14.54	14.85	14.68	16	0				
20	64QAM	1	99	14.55	14.91	14.73						
20	64QAM	50	0	14.57	14.85	14.65						
20	64QAM	50	24	14.62	14.88	14.68	16	0				
20	64QAM	50	50	14.65	14.87	14.67						
20	64QAM	100	0	14.57	14.94	14.61						
20	256QAM	1	0	14.62	14.94	14.61	16	0				
20	256QAM	1	49	14.54	14.81	14.67						
20	256QAM	1	99	14.55	14.82	14.60						
20	256QAM	50	0	14.55	14.84	14.64	16	0				
20	256QAM	50	24	14.55	14.89	14.63						
20	256QAM	50	50	14.60	14.87	14.66						
20	256QAM	100	0	14.64	14.95	14.68	16	0				
Channel				20825	21100	21375						
Frequency (MHz)				2507.5	2535	2562.5						
15	QPSK	1	0	14.63	14.92	14.73	16	0				
15	QPSK	1	37	14.54	14.80	14.65						
15	QPSK	1	74	14.55	14.77	14.57						
15	QPSK	36	0	14.51	14.88	14.67	16	0				
15	QPSK	36	20	14.56	14.83	14.66						
15	QPSK	36	39	14.56	14.83	14.56						
15	QPSK	75	0	14.55	14.76	14.73	16	0				
15	16QAM	1	0	14.58	14.82	14.64						
15	16QAM	1	37	14.54	14.66	14.68						
15	16QAM	1	74	14.47	14.86	14.82	16	0				
15	16QAM	36	0	14.61	14.80	14.68						
15	16QAM	36	20	14.50	14.89	14.63						
15	16QAM	36	39	14.47	14.79	14.57	16	0				
15	16QAM	75	0	14.49	14.89	14.72						
15	64QAM	1	0	14.50	14.85	14.55						
15	64QAM	1	37	14.49	14.80	14.64	16	0				
15	64QAM	1	74	14.49	14.86	14.66						
15	64QAM	36	0	14.52	14.78	14.60						
15	64QAM	36	20	14.55	14.83	14.63	16	0				
15	64QAM	36	39	14.56	14.83	14.63						
15	64QAM	75	0	14.50	14.91	14.56						
15	256QAM	1	0	14.59	14.89	14.54	16	0				
15	256QAM	1	37	14.48	14.76	14.64						
15	256QAM	1	74	14.61	14.75	14.54						
15	256QAM	36	0	14.49	14.77	14.58	16	0				
15	256QAM	36	20	14.51	14.84	14.56						
15	256QAM	36	39	14.56	14.82	14.59						
15	256QAM	75	0	14.60	14.90	14.64	16	0				
Channel				20800	21100	21400						
Frequency (MHz)				2505	2535	2565						
10	QPSK	1	0	14.62	14.92	14.72	16	0				
10	QPSK	1	25	14.54	14.81	14.68						
10	QPSK	1	49	14.57	14.79	14.55						
10	QPSK	25	0	14.53	14.86	14.67	16	0				
10	QPSK	25	12	14.55	14.82	14.67						
10	QPSK	25	25	14.56	14.86	14.56						
10	QPSK	50	0	14.57	14.76	14.71	16	0				
10	16QAM	1	0	14.60	14.80	14.66						
10	16QAM	1	25	14.52	14.85	14.69						
10	16QAM	1	49	14.46	14.86	14.60	16	0				
10	16QAM	25	0	14.61	14.80	14.69						
10	16QAM	25	12	14.50	14.87	14.59						
10	16QAM	25	25	14.49	14.78	14.55	16	0				
10	16QAM	50	0	14.48	14.88	14.73						
10	64QAM	1	0	14.51	14.87	14.55						
10	64QAM	1	25	14.50	14.80	14.62	16	0				
10	64QAM	1	49	14.49	14.85	14.68						
10	64QAM	25	0	14.52	14.79	14.59						
10	64QAM	25	12	14.59	14.81	14.63	16	0				
10	64QAM	25	25	14.61	14.83	14.61						
10	64QAM	50	0	14.52	14.90	14.56						
10	256QAM	1	0	14.59	14.91	14.57	16	0				
10	256QAM	1	25	14.47	14.75	14.64						
10	256QAM	1	49	14.61	14.77	14.53						
10	256QAM	25	0	14.52	14.78	14.60	16	0				
10	256QAM	25	12	14.50	14.83	14.58						
10	256QAM	25	25	14.56	14.83	14.61						
10	256QAM	50	0	14.60	14.91	14.64	16	0				
Channel				20775	21100	21425						
Frequency (MHz)				2502.5	2535	2567.5						
5	QPSK	1	0	14.64	14.94	14.74	16	0				
5	QPSK	1	12	14.54	14.82	14.68						
5	QPSK	1	24	14.57	14.80	14.55						
5	QPSK	12	0	14.50	14.90	14.65	16	0				
5	QPSK	12	7	14.53	14.83	14.65						
5	QPSK	12	13	14.57	14.82	14.58						
5	QPSK	25	0	14.55	14.77	14.72	16	0				
5	16QAM	1	0	14.60	14.83	14.65						
5	16QAM	1	12	14.53	14.84	14.70						
5	16QAM	1	24	14.46	14.88	14.62	16	0				
5	16QAM	12	0	14.59	14.77	14.66						
5	16QAM	12	7	14.50	14.86	14.61						
5	16QAM	12	13	14.48	14.78	14.55	16	0				
5	16QAM	25	0	14.49	14.88	14.72						
5	64QAM	1	0	14.49	14.86	14.54						
5	64QAM	1	12	14.51	14.78	14.62	16	0				
5	64QAM	1	24	14.48	14.87	14.69						
5	64QAM	12	0	14.51	14.79	14.58						
5	64QAM	12	7	14.58	14.82	14.61	16	0				
5	64QAM	12	13	14.61	14.83	14.62						
5	64QAM	25	0	14.50	14.88	14.57						
5	256QAM	1	0	14.58	14.90	14.56	16	0				
5	256QAM	1	12	14.50	14.75	14.62						
5	256QAM	1	24	14.59	14.76	14.56						
5	256QAM	12	0	14.50	14.81	14.61	16	0				
5	256QAM	12	7	14.48	14.82	14.58						
5	256QAM	12	13	14.53	14.83	14.62						
5	256QAM	25	0	14.58	14.89	14.62	16	0				

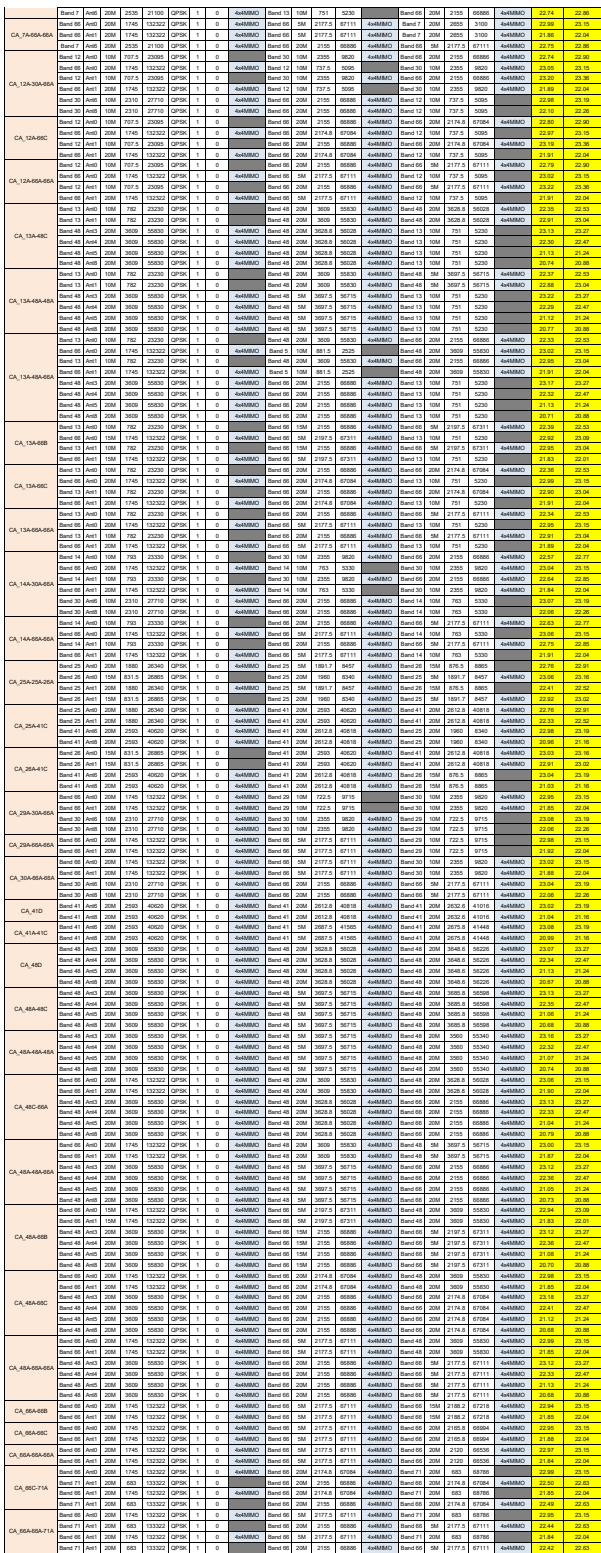
Band 30 Ant 6 Handheld-ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				27710	27710	27710			
Frequency (MHz)				2310					
10	QPSK	1	0	18.72			20	0	
10	QPSK	1	25	18.72					
10	QPSK	1	49	18.63					
10	QPSK	25	0	17.63			19	1	
10	QPSK	25	12	17.53					
10	QPSK	25	25	17.82					
10	QPSK	50	0	17.61			19	1	
10	16QAM	1	0	17.46					
10	16QAM	1	25	17.58					
10	16QAM	1	49	17.48			18	2	
10	16QAM	25	0	18.54					
10	16QAM	25	12	16.46					
10	16QAM	25	25	16.52			18	2	
10	16QAM	50	0	16.57					
10	84QAM	1	0	16.31					
10	84QAM	1	25	16.46			17	3	
10	84QAM	1	49	16.39					
10	84QAM	25	0	15.50					
10	84QAM	25	12	15.44			15	5	
10	84QAM	25	25	15.46					
10	84QAM	50	0	15.34					
10	256QAM	1	0	13.31			15	5	
10	256QAM	1	25	13.82					
10	256QAM	1	49	13.48					
10	256QAM	25	0	13.67			15	5	
10	256QAM	25	12	13.54					
10	256QAM	25	25	13.39					
10	256QAM	50	0	13.33					
Channel				27685	27710	27735	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	18.50	18.62	18.53	20	0	
5	QPSK	1	12	18.41	18.38	18.61			
5	QPSK	1	24	18.43	18.59	18.56			
5	QPSK	12	0	17.51	17.67	17.49	19	1	
5	QPSK	12	7	17.47	17.54	17.51			
5	QPSK	12	14	17.63	17.67	17.69			
5	QPSK	25	0	17.52	17.55	17.44	19	1	
5	16QAM	1	0	17.43	17.32	17.41			
5	16QAM	1	12	17.37	17.46	17.47			
5	16QAM	1	24	17.40	17.49	17.40	18	2	
5	16QAM	12	0	16.46	16.57	16.59			
5	16QAM	12	7	16.38	16.36	16.37			
5	16QAM	12	13	16.52	16.50	16.51	17	3	
5	16QAM	12	14	16.43	16.38	16.21			
5	84QAM	1	0	16.24	16.38	16.29			
5	84QAM	1	12	16.38	16.39	16.33	15	5	
5	84QAM	1	24	16.31	16.29	16.22			
5	84QAM	12	0	15.36	15.51	15.36			
5	84QAM	12	7	15.32	15.39	15.42	15	5	
5	84QAM	12	13	15.32	15.24	15.33			
5	84QAM	12	14	15.17	15.36	15.28			
5	256QAM	1	0	13.17	13.31	13.23	15	5	
5	256QAM	1	12	13.47	13.52	13.49			
5	256QAM	1	24	13.41	13.40	13.28			
5	256QAM	12	0	13.44	13.64	13.31	15	5	
5	256QAM	12	7	13.36	13.42	13.45			
5	256QAM	12	13	13.41	13.26	13.36			
5	256QAM	25	0	13.27	13.42	13.37			

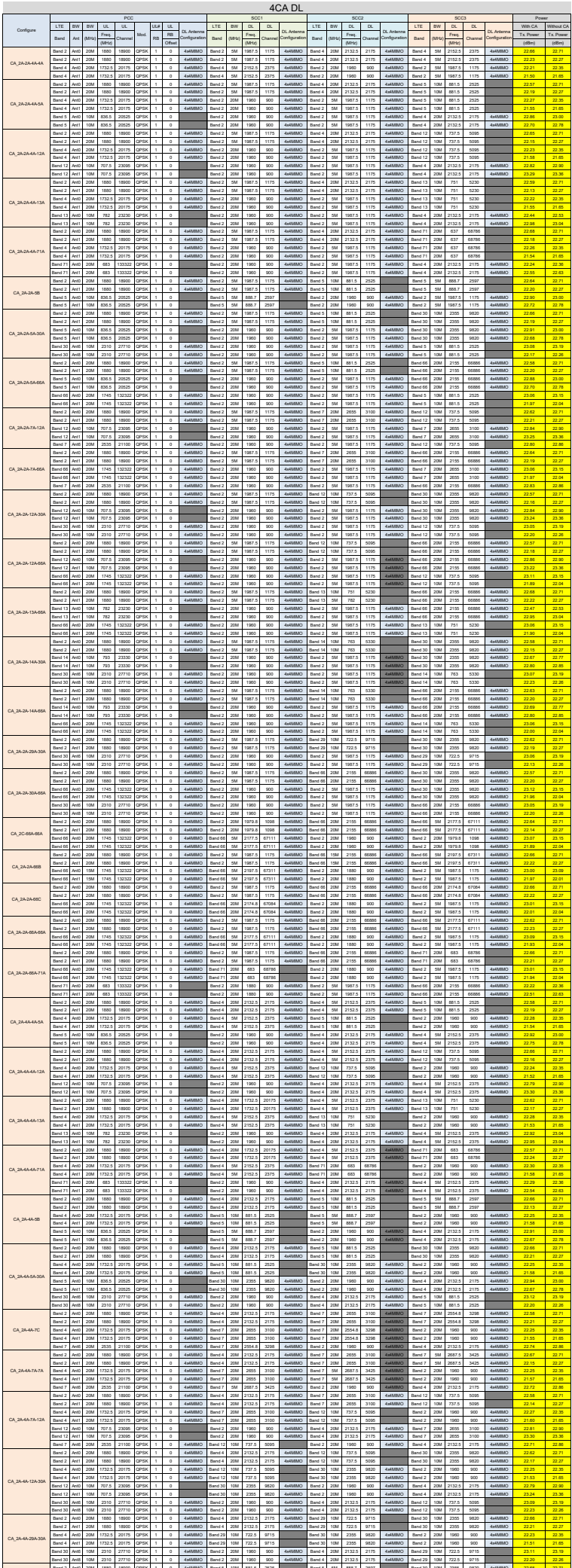
Band 48 Ant8 Handheld-ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	15.44	15.50	15.33	15.27	16.8	0
20	QPSK	1	49	15.33	15.34	15.26	15.20		
20	QPSK	1	99	15.20	15.27	15.17	15.32		
20	QPSK	50	0	14.33	14.52	14.22	14.32		
20	QPSK	50	24	14.47	14.34	14.32	14.25	15.8	1
20	QPSK	50	50	14.34	14.29	14.21	14.24		
20	QPSK	100	0	14.24	14.30	14.06	14.03		
20	16QAM	1	0	14.17	14.26	14.04	14.16		
20	16QAM	1	49	14.13	14.07	14.01	13.91	15.8	1
20	16QAM	1	99	14.07	14.04	13.93	13.91		
20	16QAM	50	0	13.20	13.21	13.07	13.14		
20	16QAM	50	24	13.07	13.17	13.14	13.07		
20	16QAM	50	50	13.15	13.19	12.91	13.00	14.8	2
20	16QAM	100	0	12.92	13.15	12.91	12.98		
20	64QAM	1	0	13.14	13.13	12.99	13.07		
20	64QAM	1	49	13.15	13.05	12.83	12.86		
20	64QAM	1	99	13.17	12.90	13.05	12.99	13.8	3
20	64QAM	50	0	12.32	12.39	12.35	12.19		
20	64QAM	50	24	12.26	12.33	12.13	12.13		
20	64QAM	50	50	12.15	12.10	12.08	12.14		
20	256QAM	1	0	10.57	10.48	10.59	10.44	11.8	5
20	256QAM	1	49	10.61	10.50	10.55	10.59		
20	256QAM	1	99	10.47	10.37	10.41	10.41		
20	256QAM	50	0	10.52	10.58	10.50	10.51		
20	256QAM	50	24	10.55	10.44	10.45	10.48	11.8	5
20	256QAM	50	50	10.48	10.55	10.44	10.51		
20	256QAM	100	0	10.26	10.36	10.32	10.28		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3606	3642	3692.5		
15	QPSK	1	0	15.34	15.41	15.24	15.17	16.8	0
15	QPSK	1	37	15.20	15.22	15.12	15.08		
15	QPSK	1	74	15.11	15.22	15.10	15.20		
15	QPSK	36	0	14.22	14.45	14.16	14.17		
15	QPSK	36	20	14.32	14.26	14.26	14.12	15.8	1
15	QPSK	36	39	14.21	14.16	14.16	14.14		
15	QPSK	75	0	14.12	14.22	14.01	13.96		
15	16QAM	1	0	14.09	14.19	13.91	14.07		
15	16QAM	1	37	14.06	14.02	13.87	13.88	15.8	1
15	16QAM	1	74	13.93	13.91	13.86	13.81		
15	16QAM	36	0	13.14	13.12	12.96	13.06		
15	16QAM	36	20	12.98	13.04	13.02	12.92		
15	16QAM	36	39	13.03	13.13	12.81	12.96	14.8	2
15	16QAM	75	0	12.81	13.06	12.83	12.94		
15	64QAM	1	0	12.99	13.09	12.91	13.02		
15	64QAM	1	37	13.06	12.94	12.87	12.95		
15	64QAM	1	74	13.07	12.87	12.96	12.92	14.8	2
15	64QAM	36	0	12.25	12.33	12.22	12.16		
15	64QAM	36	20	12.15	12.27	12.01	12.10		
15	64QAM	36	39	12.01	11.97	12.01	12.03	13.8	3
15	64QAM	75	0	12.13	12.20	12.02	11.92		
15	256QAM	1	0	10.57	10.48	10.50	10.53		
15	256QAM	1	37	10.58	10.60	10.51	10.57		
15	256QAM	1	74	10.46	10.36	10.49	10.44	11.8	5
15	256QAM	36	0	10.48	10.56	10.42	10.56		
15	256QAM	36	20	10.49	10.49	10.54	10.41		
15	256QAM	36	39	10.43	10.47	10.46	10.54		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	15.34	15.42	15.21	15.19	16.8	0
10	QPSK	1	25	15.23	15.31	15.13	15.05		
10	QPSK	1	49	15.11	15.15	15.10	15.17		
10	QPSK	25	0	14.27	14.49	14.09	14.26		
10	QPSK	25	12	14.42	14.21	14.24	14.15	15.8	1
10	QPSK	25	25	14.23	14.17	14.17	14.20		
10	QPSK	50	0	14.11	14.20	13.99	13.94		
10	16QAM	1	0	14.07	14.15	13.95	14.13		
10	16QAM	1	25	14.07	13.93	13.97	13.87	15.8	1
10	16QAM	1	49	14.02	13.96	13.83	13.86		
10	16QAM	25	0	13.13	13.17	12.94	13.05		
10	16QAM	25	12	12.96	13.03	13.08	13.01		
10	16QAM	25	25	13.01	13.09	12.85	12.88	14.8	2
10	16QAM	50	0	12.84	13.03	12.88	12.95		
10	64QAM	1	0	13.02	13.05	12.84	12.93		
10	64QAM	1	25	13.12	12.91	12.91	12.81		
10	64QAM	1	49	13.04	12.83	12.96	12.92	13.8	3
10	64QAM	25	0	12.25	12.35	12.26	12.12		
10	64QAM	25	12	12.21	12.18	12.05	11.99		
10	64QAM	25	25	12.06	12.05	12.03	12.10		
10	256QAM	1	0	10.54	10.53	10.49	10.51	11.8	5
10	256QAM	1	25	10.61	10.53	10.63	10.59		
10	256QAM	1	49	10.42	10.46	10.49	10.36		
10	256QAM	25	0	10.54	10.57	10.49	10.57		
10	256QAM	25	12	10.47	10.42	10.51	10.41	11.8	5
10	256QAM	25	25	10.44	10.45	10.47	10.54		
10	256QAM	50	0	10.34	10.30	10.29	10.31		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3522.5	3567	3643	3697.5		
5	QPSK	1	0	15.37	15.37	15.29	15.16	16.8	0
5	QPSK	1	12	15.20	15.24	15.11	15.07		
5	QPSK	1	24	15.11	15.13	15.07	15.23		
5	QPSK	12	0	14.18	14.45	14.19	14.22		
5	QPSK	12	7	14.40	14.30	14.19	14.17	15.8	1
5	QPSK	12	13	14.25	14.24	14.10	14.21		
5	QPSK	25	0	14.18	14.23	13.95	13.90		
5	16QAM	1	0	14.05	14.11	13.94	14.03		
5	16QAM	1	12	14.01	13.95	13.87	13.86	15.8	1
5	16QAM	1	24	14.00	13.99	13.83	13.94		
5	16QAM	12	0	13.15	13.06	12.98	13.00		
5	16QAM	12	7	13.03	13.11	13.04	13.00		
5	16QAM	12	13	13.05	13.05	12.88	12.85	14.8	2
5	16QAM	25	0	12.82	13.12	12.86	12.88		
5	64QAM	1	0	13.00	13.07	12.86	12.99		
5	64QAM	1	12	13.05	12.97	12.92	12.84		
5	64QAM	1	24	13.04	12.88	12.94	12.95	13.8	3
5	64QAM	12	0	12.18	12.26	12.23	12.04		
5	64QAM	12	7	12.20	12.29	11.98	12.00		
5	64QAM	12	13	12.08	12.02	12.05	12.00		
5	256QAM	1	0	10.52	10.50	10.51	10.52	11.8	5
5	256QAM	1	12	10.55	10.54	10.61	10.57		
5	256QAM	1	24	10.44	10.37	10.49	10.48		
5	256QAM	12	0	10.46	10.58	10.42	10.52		
5	256QAM	12	7	10.55	10.46	10.55	10.48	11.8	5
5	256QAM	12	13	10.47	10.52	10.41	10.54		
5	256QAM	25	0	10.35	10.38	10.27	10.35		

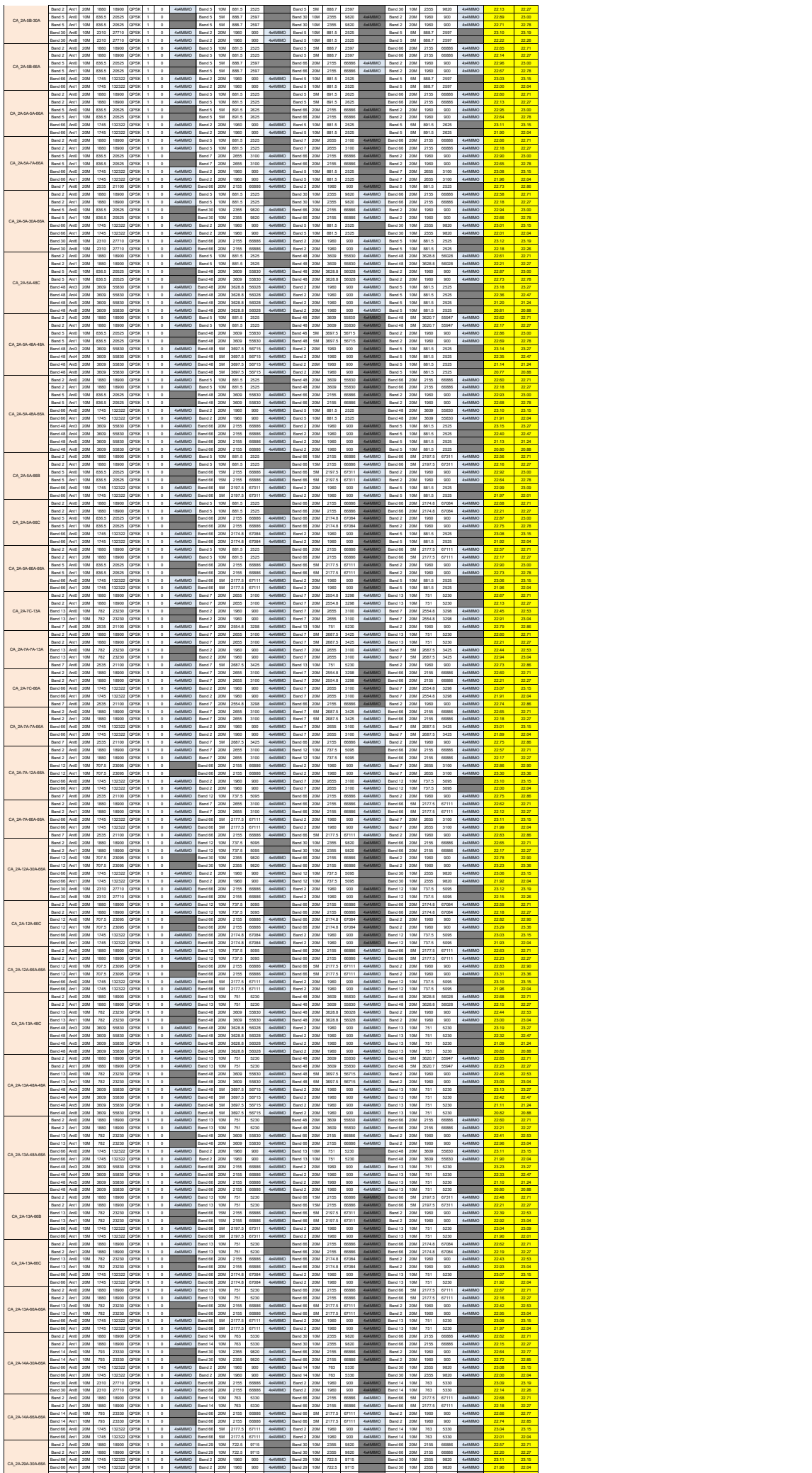


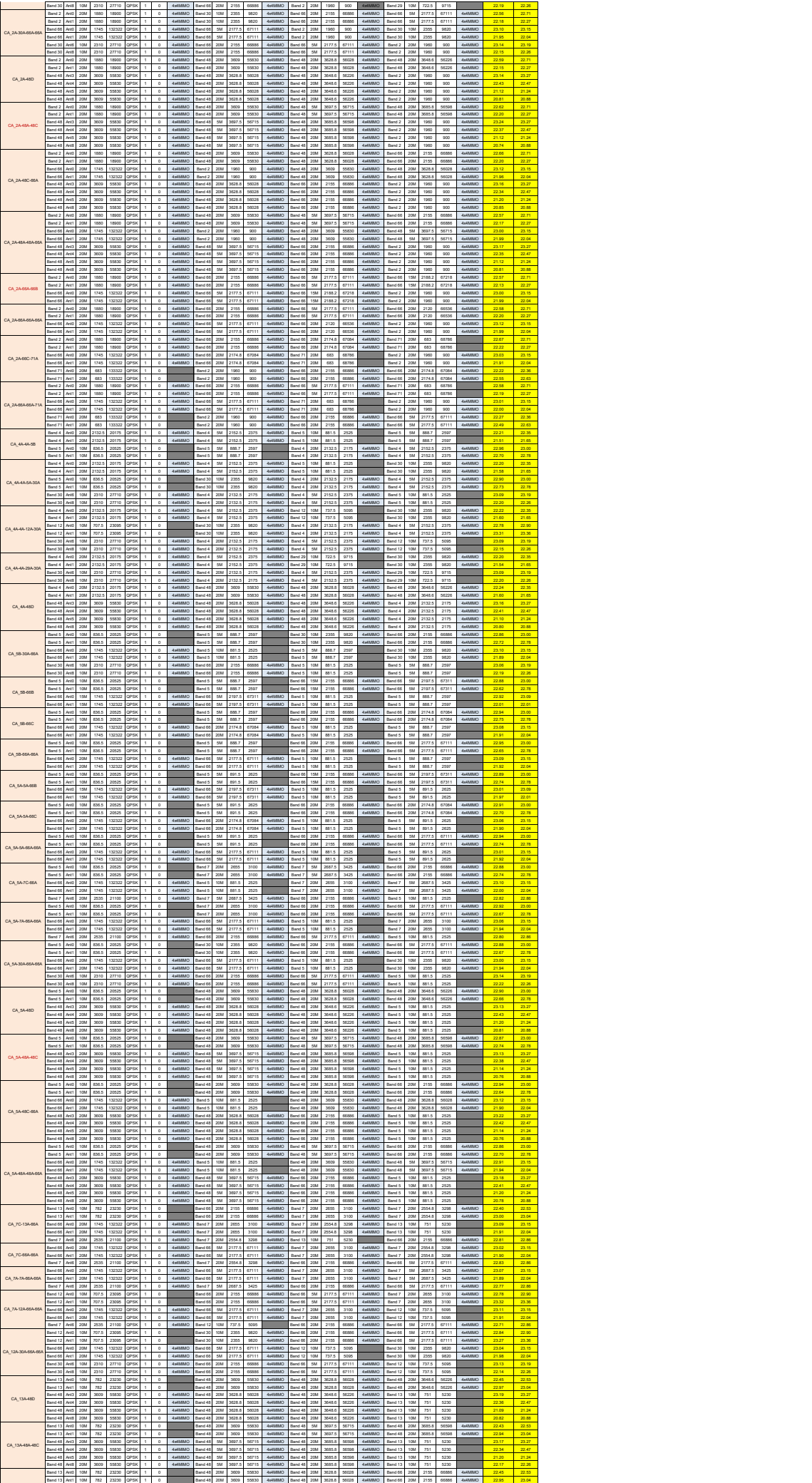


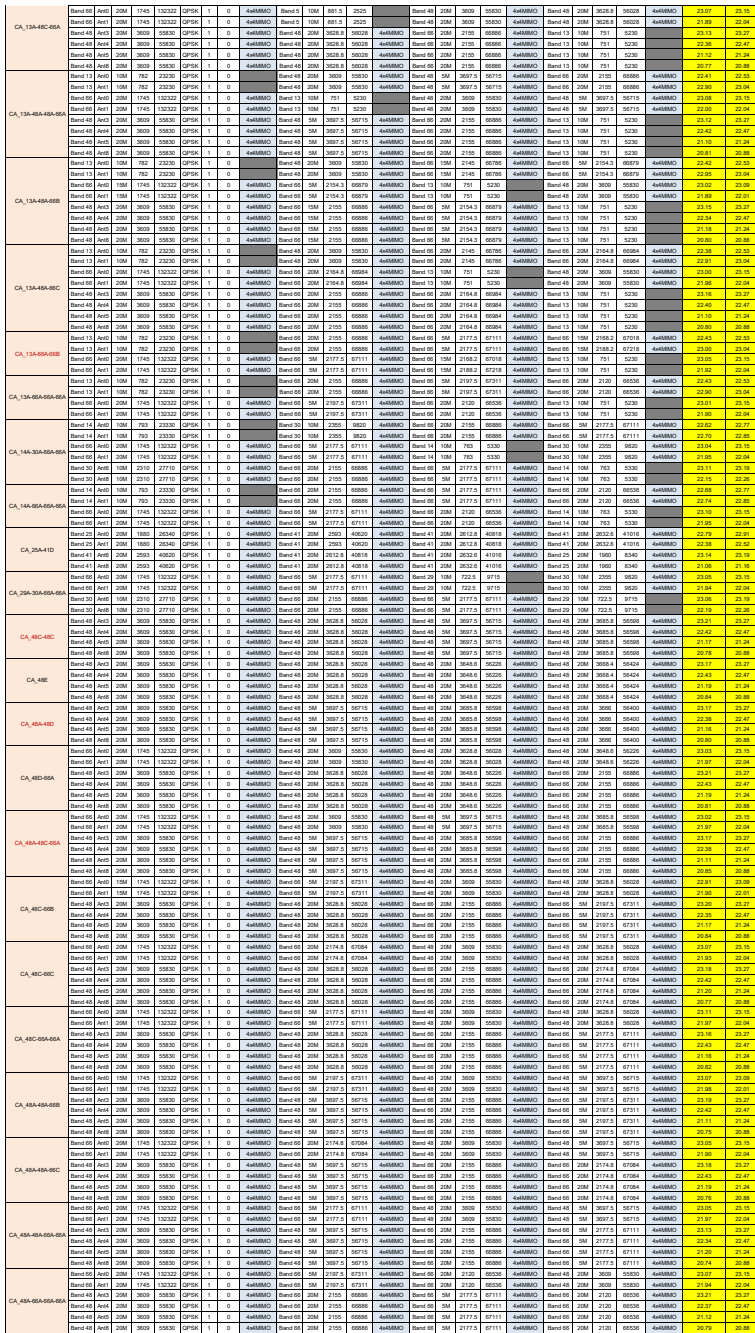














UL CA Full Power

Ant0 Full Power

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
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	22.90	24.00
132322	132520	QPSK	1	99	1	0	22.96	24.00
132572	132374	QPSK	1	0	1	99	22.83	24.00

Ant0 Full Power

CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.85	24.00
20525	20624	QPSK	1	49	1	0	22.78	24.00
20600	20501	QPSK	1	0	1	49	22.92	24.00

Ant0 Full Power

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.95	24.00
132322	132415	QPSK	1	74	1	0	23.03	24.00
132597	132504	QPSK	1	0	1	24	22.88	24.00

Ant6 Full Power

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
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	22.37	24.00
40185	40383	QPSK	1	99	1	0	22.25	24.00
40620	40818	QPSK	1	99	1	0	22.45	24.00
41055	41253	QPSK	1	99	1	0	22.34	24.00
41490	41292	QPSK	1	0	1	99	22.69	24.00

Ant3 Full Power

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
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	22.16	24.00
55830	56028	QPSK	1	99	1	0	22.18	24.00
56150	56348	QPSK	1	99	1	0	22.15	24.00
56640	56442	QPSK	1	0	1	99	22.33	24.00

Ant5 Full Power

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
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	20.34	21.90
55830	56028	QPSK	1	99	1	0	20.25	21.90
56150	56348	QPSK	1	99	1	0	20.24	21.90
56640	56442	QPSK	1	0	1	99	20.53	21.90

Ant3 Full Power

CA_48B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	22.54	24.00
55820	55913	QPSK	1	74	1	0	22.62	24.00
56160	56253	QPSK	1	74	1	0	22.51	24.00
56665	56572	QPSK	1	0	1	24	22.46	24.00

Ant5 Full Power

CA_48B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	20.66	21.90
55820	55913	QPSK	1	74	1	0	20.81	21.90
56160	56253	QPSK	1	74	1	0	20.64	21.90
56665	56572	QPSK	1	0	1	24	20.73	21.90

Ant1 Full Power

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
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	21.46	23.00
132322	132520	QPSK	1	99	1	0	21.62	23.00
132572	132374	QPSK	1	0	1	99	21.49	23.00

Ant1 Full Power

CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.78	24.00
20525	20624	QPSK	1	49	1	0	22.56	24.00
20600	20501	QPSK	1	0	1	49	22.64	24.00

Ant1 Full Power

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.79	23.00
132322	132415	QPSK	1	74	1	0	21.72	23.00
132597	132504	QPSK	1	0	1	24	21.92	23.00

Ant8 Full Power

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
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	21.23	22.60
40185	40383	QPSK	1	99	1	0	21.11	22.60
40620	40818	QPSK	1	99	1	0	20.91	22.60
41055	41253	QPSK	1	99	1	0	21.06	22.60
41490	41292	QPSK	1	0	1	99	20.65	22.60

Ant4 Full Power

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
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	21.65	23.20
55830	56028	QPSK	1	99	1	0	21.87	23.20
56150	56348	QPSK	1	99	1	0	21.62	23.20
56640	56442	QPSK	1	0	1	99	21.83	23.20

Ant8 Full Power

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
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	20.38	22.30
55830	56028	QPSK	1	99	1	0	20.42	22.30
56150	56348	QPSK	1	99	1	0	20.37	22.30
56640	56442	QPSK	1	0	1	99	20.35	22.30

Ant4 Full Power

CA_48B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	21.85	23.20
55820	55913	QPSK	1	74	1	0	21.96	23.20
56160	56253	QPSK	1	74	1	0	21.82	23.20
56665	56572	QPSK	1	0	1	24	21.77	23.20

Ant8 Full Power

CA_48B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	20.73	22.30
55820	55913	QPSK	1	74	1	0	20.65	22.30
56160	56253	QPSK	1	74	1	0	20.64	22.30
56665	56572	QPSK	1	0	1	24	20.54	22.30

UL CA Reduced Power

Ant0 Down Power Sensor on

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
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	16.97	18.00
132322	132520	QPSK	1	99	1	0	17.18	18.00
132572	132374	QPSK	1	0	1	99	16.97	18.00

Ant0 Down Power Hotspot

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
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	15.97	17.00
132322	132520	QPSK	1	99	1	0	16.16	17.00
132572	132374	QPSK	1	0	1	99	16.06	17.00

Ant0 Down Power Sensor on

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	16.75	18.00
132322	132415	QPSK	1	74	1	0	17.01	18.00
132597	132504	QPSK	1	0	1	24	16.85	18.00

Ant0 Down Power Hotspot

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	15.88	17.00
132322	132415	QPSK	1	74	1	0	16.01	17.00
132597	132504	QPSK	1	0	1	24	15.84	17.00

Ant1 Down Power Receiver on

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
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	15.85	17.00
132322	132520	QPSK	1	99	1	0	15.88	17.00
132572	132374	QPSK	1	0	1	99	15.77	17.00

Ant1 Down Power Sensor on

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
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	16.41	17.50
132322	132520	QPSK	1	99	1	0	16.57	17.50
132572	132374	QPSK	1	0	1	99	16.32	17.50

Ant1 Down Power Receiver on

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	15.76	17.50
132322	132415	QPSK	1	74	1	0	15.91	17.50
132597	132504	QPSK	1	0	1	24	15.70	17.50

Ant1 Down Power Sensor on

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	16.45	17.50
132322	132415	QPSK	1	74	1	0	16.38	17.50
132597	132504	QPSK	1	0	1	24	16.21	17.50

Ant6 Down Power Sensor onAllHotspot

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
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	19.72	21.50
40185	40383	QPSK	1	99	1	0	19.85	21.50
40620	40818	QPSK	1	99	1	0	19.98	21.50
41055	41253	QPSK	1	99	1	0	20.01	21.50
41490	41292	QPSK	1	0	1	99	20.16	21.50

Ant8 Down Power Sensor onAllHotspot

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
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	18.45	20.10
40185	40383	QPSK	1	99	1	0	18.44	20.10
40620	40818	QPSK	1	99	1	0	18.65	20.10
41055	41253	QPSK	1	99	1	0	18.2	20.10
41490	41292	QPSK	1	0	1	99	18.22	20.10

Ant3 Down Power Receiver on

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
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	19.05	20.00
55830	56028	QPSK	1	99	1	0	19.3	20.00
56150	56348	QPSK	1	99	1	0	19.17	20.00
56640	56442	QPSK	1	0	1	99	18.99	20.00

Ant3 Down Power Sensor onAllspot

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
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	17.03	18.00
55830	56028	QPSK	1	99	1	0	17.19	18.00
56150	56348	QPSK	1	99	1	0	17.08	18.00
56640	56442	QPSK	1	0	1	99	17.13	18.00

Ant3 Down Power Receiver on

CA_48B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	18.87	20.00
55820	55913	QPSK	1	74	1	0	19.12	20.00
56160	56253	QPSK	1	74	1	0	18.86	20.00
56665	56572	QPSK	1	0	1	24	18.91	20.00

Ant3 Down Power Sensor onAllspot

CA_48B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	17.02	18.00
55820	55913	QPSK	1	74	1	0	17.2	18.00
56160	56253	QPSK	1	74	1	0	17.11	18.00
56665	56572	QPSK	1	0	1	24	17.05	18.00

Ant4 Down Power Sensor onAllspot

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
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	17.41	18.20
55830	56028	QPSK	1	99	1	0	17.46	18.20
56150	56348	QPSK	1	99	1	0	17.44	18.20
56640	56442	QPSK	1	0	1	99	17.32	18.20

Ant4 Down Power Handheld

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
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	21.42	22.20
55830	56028	QPSK	1	99	1	0	21.37	22.20
56150	56348	QPSK	1	99	1	0	21.34	22.20
56640	56442	QPSK	1	0	1	99	21.15	22.20

Ant4 Down Power Sensor onAllspot

CA_48B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	17.22	18.20
55820	55913	QPSK	1	74	1	0	17.35	18.20
56160	56253	QPSK	1	74	1	0	17.31	18.20
56665	56572	QPSK	1	0	1	24	17.13	18.20

Ant4 Down Power Handheld

CA_48B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	21.28	22.20
55820	55913	QPSK	1	74	1	0	21.29	22.20
56160	56253	QPSK	1	74	1	0	21.07	22.20
56665	56572	QPSK	1	0	1	24	21.18	22.20

Ant5 Down Power Sensor onAllspot

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
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	17.45	18.40
55830	56028	QPSK	1	99	1	0	17.77	18.40
56150	56348	QPSK	1	99	1	0	17.67	18.40
56640	56442	QPSK	1	0	1	99	17.48	18.40

Ant5 Down Power Handheld

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
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	20.90
55830	56028	QPSK	1	99	1	0	20.29	20.90
56150	56348	QPSK	1	99	1	0	20.22	20.90
56640	56442	QPSK	1	0	1	99	19.91	20.90

Ant5 Down Power Sensor onAllspot

CA_48B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	17.45	18.40
55820	55913	QPSK	1	74	1	0	17.57	18.40
56160	56253	QPSK	1	74	1	0	17.44	18.40
56665	56572	QPSK	1	0	1	24	17.32	18.40

Ant5 Down Power Handheld

CA_48B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	19.93	20.90
55820	55913	QPSK	1	74	1	0	20.22	20.90
56160	56253	QPSK	1	74	1	0	20.08	20.90
56665	56572	QPSK	1	0	1	24	19.9	20.90

Ant8 Down Power Sensor onAllspot

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
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	11.16	12.80
55830	56028	QPSK	1	99	1	0	11.26	12.80
56150	56348	QPSK	1	99	1	0	11.18	12.80
56640	56442	QPSK	1	0	1	99	10.99	12.80

Ant8 Down Power Handheld

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
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	17.75	19.30
55830	56028	QPSK	1	99	1	0	17.95	19.30
56150	56348	QPSK	1	99	1	0	17.83	19.30
56640	56442	QPSK	1	0	1	99	17.6	19.30

Ant8 Down Power Sensor onAllspot

CA_48B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	11.01	12.80
55820	55913	QPSK	1	74	1	0	11.12	12.80
56160	56253	QPSK	1	74	1	0	11.07	12.80
56665	56572	QPSK	1	0	1	24	11.19	12.80

Ant8 Down Power Handheld

CA_48B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	17.74	19.30</

Ant0 Down Power Handheld

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
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	19.45	20.50
132322	132520	QPSK	1	99	1	0	19.60	20.50
132572	132374	QPSK	1	0	1	99	19.48	20.50

Ant0 Down Power Handheld

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.33	20.50
132322	132415	QPSK	1	74	1	0	19.56	20.50
132597	132504	QPSK	1	0	1	24	19.43	20.50

Ant1 Down Power Hotspot

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
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	14.89	16.00
132322	132520	QPSK	1	99	1	0	14.94	16.00
132572	132374	QPSK	1	0	1	99	14.78	16.00

Ant1 Down Power Hotspot

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	14.84	16.00
132322	132415	QPSK	1	74	1	0	14.93	16.00
132597	132504	QPSK	1	0	1	24	14.71	16.00

Ant1 Down Power Handheld

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
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	18.86	20.00
132322	132520	QPSK	1	99	1	0	19.04	20.00
132572	132374	QPSK	1	0	1	99	18.72	20.00

Ant1 Down Power Handheld

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.72	20.00
132322	132415	QPSK	1	74	1	0	18.89	20.00
132597	132504	QPSK	1	0	1	24	18.70	20.00

Ant3 Down Power Handheld

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
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	21.42	22.50
55830	56028	QPSK	1	99	1	0	21.55	22.50
56150	56348	QPSK	1	99	1	0	21.47	22.50
56640	56442	QPSK	1	0	1	99	21.38	22.50

Ant3 Down Power Handheld

CA_48B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	21.29	22.50
55820	55913	QPSK	1	74	1	0	21.3	22.50
56160	56253	QPSK	1	74	1	0	21.25	22.50
56665	56672	QPSK	1	0	1	24	21.33	22.50

Full Power Mode for 5GNR

n2 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				16400	16400	16600			
Frequency (MHz)				1640	1640	1660			
40	Pi2 BPSK	1	1	23.37	23.43	23.30			
40	Pi2 BPSK	1	108	23.36	23.50	23.45	24.0	0.0	
40	Pi2 BPSK	1	214	23.21	23.31	23.17			
40	Pi2 BPSK	108	0	22.71	22.86	22.80	23.5	0.5	
40	Pi2 BPSK	108	54	23.29	23.35	23.22	24.0	0.0	
40	Pi2 BPSK	108	108	22.84	22.76	22.71			
40	Pi2 BPSK	216	0	22.73	22.81	22.69	23.5	0.5	
40	QPSK	1	1	23.42	23.55	23.48			
40	QPSK	1	108	23.18	23.29	23.22	24.0	0.0	
40	QPSK	1	214	23.16	23.23	23.09			
40	QPSK	108	0	22.32	22.37	22.29	23.0	1.0	
40	QPSK	108	54	23.18	23.30	23.26	24.0	0.0	
40	QPSK	108	108	22.19	22.28	22.22			
40	QPSK	216	0	22.26	22.36	22.21	23.0	1.0	
40	16QAM	1	1	22.04	22.12	22.01	23.0	1.0	
40	64QAM	1	1	20.36	20.71	20.63	21.5	2.5	
40	256QAM	1	1	19.05	19.21	19.06	19.5	4.5	
Channel				376000	376000	376000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.37	23.42	23.31	24.0	0.0	
Channel				372900	376000	376500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1662.5	1680	1697.5			
25	QPSK	1	1	23.29	23.49	23.38	24.0	0.0	
Channel				1727000	176500	181000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1680	1682.5	1605			
20	QPSK	1	1	23.36	23.52	23.40	24.0	0.0	
Channel				1713000	171000	1692.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1687.5	1680	1692.5			
15	QPSK	1	1	23.39	23.53	23.38	24.0	0.0	
Channel				3710000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1665	1680	1695			
10	QPSK	1	1	23.37	23.43	23.40	24.0	0.0	
Channel				3705000	3760000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1672.5	1680	1697.5			
5	QPSK	1	1	23.28	23.41	23.32	24.0	0.0	

n5 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				164	164.5	165			
20	Pi2 BPSK	1	1	22.77	22.84	22.77			
20	Pi2 BPSK	1	53	22.79	22.93	22.62	24.0	0.0	
20	Pi2 BPSK	1	104	22.82	22.75	22.66			
20	Pi2 BPSK	50	0	22.27	22.29	22.30	23.5	0.5	
20	Pi2 BPSK	50	26	22.71	22.92	22.82	24.0	0.0	
20	Pi2 BPSK	50	56	22.27	22.42	22.28			
20	Pi2 BPSK	100	0	22.18	22.38	22.19	23.5	0.5	
20	QPSK	1	1	22.92	22.95	22.94			
20	QPSK	1	53	22.81	22.90	22.80	24.0	0.0	
20	QPSK	1	104	22.56	22.77	22.68			
20	QPSK	50	0	21.69	21.87	21.74	23.0	1.0	
20	QPSK	50	26	22.85	22.85	22.82	24.0	0.0	
20	QPSK	50	56	21.70	21.85	21.73			
20	QPSK	100	0	21.84	21.94	21.91	23.0	1.0	
20	16QAM	1	1	21.59	21.57	21.42	23.0	1.0	
20	64QAM	1	1	20.08	20.34	20.19	21.5	2.5	
20	256QAM	1	1	18.36	18.47	18.38	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				161.5	164.5	161.5			
15	QPSK	1	1	22.81	22.74	22.73	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1629	1636.5	1644			
10	QPSK	1	1	22.78	22.81	22.73	24.0	0.0	
Channel				165300	167300	167300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1626.5	1636.5	1646.5			
5	QPSK	1	1	22.72	22.85	22.83	24.0	0.0	

n26 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	166300	167800			
Frequency (MHz)				164	161.5	165			
20	Pi2 BPSK	1	1	22.67	22.69	22.66			
20	Pi2 BPSK	1	53	22.62	22.82	22.52	24.0	0.0	
20	Pi2 BPSK	1	104	22.63	22.62	22.48			
20	Pi2 BPSK	50	0	22.06	22.11	22.18	23.5	0.5	
20	Pi2 BPSK	50	26	22.00	22.07	22.01	24.0	0.0	
20	Pi2 BPSK	50	56	22.03	22.20	22.15			
20	Pi2 BPSK	100	0	21.95	22.20	22.05	23.5	0.5	
20	QPSK	1	1	22.81	22.86	22.77			
20	QPSK	1	53	22.57	22.80	22.66	24.0	0.0	
20	QPSK	1	104	22.39	22.58	22.56			
20	QPSK	50	0	21.49	21.65	21.58	23.0	1.0	
20	QPSK	50	26	22.62	22.76	22.59	24.0	0.0	
20	QPSK	50	56	21.55	21.73	21.59			
20	QPSK	100	0	21.68	21.79	21.77	23.0	1.0	
20	16QAM	1	1	21.37	21.37	21.22	23.0	1.0	
20	64QAM	1	1	19.90	20.01	20.02	21.5	2.5	
20	256QAM	1	1	18.21	18.28	18.21	19.5	4.5	
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				161.5	161.5	161.5			
15	QPSK	1	1	22.57	22.68	22.65	24.0	0.0	
Channel				165800	166300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1619	1631.5	1644			
10	QPSK	1	1	22.67	22.77	22.60	24.0	0.0	
Channel				165300	166300	165300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1616.5	1631.5	1646.5			
5	QPSK	1	1	22.70	22.74	22.54	24.0	0.0	

n12 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				701.5	707.5	713.5			
15	PI2 BPSK	1	1	22.57	22.57	22.55			
15	PI2 BPSK	1	40	22.61	22.77	22.42	24.0	0.0	
15	PI2 BPSK	1	77	22.62	22.51	22.46			
15	PI2 BPSK	36	0	21.95	22.05	22.07	23.5	0.5	
15	PI2 BPSK	36	22	22.47	22.67	22.51	24.0	0.0	
15	PI2 BPSK	36	43	21.99	22.14	22.12	23.5	0.5	
15	PI2 BPSK	75	0	21.91	22.16	22.01			
15	QPSK	1	1	22.76	22.67	22.74			
15	QPSK	1	40	22.52	22.66	22.53	24.0	0.0	
15	QPSK	1	77	22.34	22.55	22.44			
15	QPSK	36	0	21.36	21.60	21.52	23.0	1.0	
15	QPSK	36	22	22.47	22.62	22.55	24.0	0.0	
15	QPSK	36	43	21.45	21.63	21.51			
15	QPSK	75	0	21.56	21.67	21.65	23.0	1.0	
15	16QAM	1	1	21.34	21.37	21.21	23.0	1.0	
15	64QAM	1	1	19.78	19.80	19.59	21.5	2.5	
15	256QAM	1	1	18.20	18.22	18.12	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.53	22.65	22.58	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.64	22.68	22.51	24.0	0.0	

n14 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				158100	158600	159100			
Frequency (MHz)				719	724	729			
10	PI2 BPSK	1	1	22.65					
10	PI2 BPSK	1	26		22.50		24.0	0.0	
10	PI2 BPSK	1	50		22.69				
10	PI2 BPSK	25	0		22.14		23.5	0.5	
10	PI2 BPSK	25	14		22.78		24.0	0.0	
10	PI2 BPSK	25	27		22.30		23.5	0.5	
10	PI2 BPSK	50	0		22.26				
10	QPSK	1	1		22.65				
10	QPSK	1	26		22.76		24.0	0.0	
10	QPSK	1	50		22.64				
10	QPSK	25	0		21.72		23.0	1.0	
10	QPSK	25	14		22.75		24.0	0.0	
10	QPSK	25	27		21.78		23.0	1.0	
10	QPSK	50	0		21.66				
10	16QAM	1	1		21.54		23.0	1.0	
10	64QAM	1	1		20.06		21.5	2.5	
10	256QAM	1	1		18.32		19.5	4.5	
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				719.5	724	729.5			
5	QPSK	1	1	22.88	22.87	22.77	24.0	0.0	

n25 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	23.25	23.41	23.34			
40	PI2 BPSK	1	108	23.25	23.39	23.25	24.0	0.0	
40	PI2 BPSK	1	214	23.33	23.37	23.26			
40	PI2 BPSK	108	0	22.76	22.66	22.82	23.5	0.5	
40	PI2 BPSK	108	54	23.18	23.34	23.22	24.0	0.0	
40	PI2 BPSK	108	108	22.65	22.80	22.65	23.5	0.5	
40	PI2 BPSK	216	0	22.61	22.77	22.67			
40	QPSK	1	1	23.44	23.67	23.47			
40	QPSK	1	108	23.31	23.38	23.32	24.0	0.0	
40	QPSK	1	214	23.30	23.45	23.37			
40	QPSK	108	0	22.10	22.25	22.13	23.0	1.0	
40	QPSK	108	54	23.29	23.43	23.36	24.0	0.0	
40	QPSK	108	108	22.21	22.36	22.30			
40	QPSK	216	0	22.29	22.39	22.31	23.0	1.0	
40	16QAM	1	1	22.08	22.17	22.06	23.0	1.0	
40	64QAM	1	1	20.62	20.66	20.60	21.5	2.5	
40	256QAM	1	1	19.08	19.22	19.18	19.5	4.5	
Channel				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	23.37	23.42	23.31	24.0	0.0	
Channel				372500	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	23.22	23.49	23.33	24.0	0.0	
Channel				372000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	23.36	23.52	23.40	24.0	0.0	
Channel				371500	376000	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	23.39	23.53	23.38	24.0	0.0	
Channel				371000	376000	383000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1854	1882.5	1910			
10	QPSK	1	1	23.37	23.43	23.40	24.0	0.0	
Channel				370500	376000	383000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	23.25	23.41	23.32	24.0	0.0	

n66 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1722	1745	1760			
40	PI2 BPSK	1	1	23.91	24.06	23.91			
40	PI2 BPSK	1	106	24.01	24.06	23.97	24.5	0.0	
40	PI2 BPSK	1	214	23.91	23.92	23.70			
40	PI2 BPSK	108	0	23.36	23.49	23.46	24.0	0.5	
40	PI2 BPSK	108	54	23.86	24.04	23.96	24.5	0.0	
40	PI2 BPSK	108	106	23.33	23.45	23.36			
40	PI2 BPSK	216	0	23.86	23.54	23.53	24.0	0.5	
40	QPSK	1	1	24.04	24.11	23.99			
40	QPSK	1	108	23.93	24.07	23.91	24.5	0.0	
40	QPSK	1	214	23.94	24.05	23.87			
40	QPSK	108	0	23.24	23.44	23.44	23.5	1.0	
40	QPSK	108	54	24.05	24.05	23.89	24.5	0.0	
40	QPSK	108	108	23.15	23.18	23.14			
40	QPSK	216	0	23.07	23.21	23.14	23.5	1.0	
40	16QAM	1	1	22.78	22.82	22.80	23.5	1.0	
40	64QAM	1	1	21.36	21.44	21.43	22.0	2.5	
40	256QAM	1	1	19.54	19.65	19.43	20.0	4.5	
Channel				346000	349000	353000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1722	1745	1762			
30	PI2 BPSK	1	1	23.85	24.09	23.92	24.5	0.0	
Channel				346500	349000	353000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PI2 BPSK	1	1	23.82	24.05	23.93	24.5	0.0	
Channel				347000	349000	354000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	256QAM	1	1	23.89	24.02	24.00	24.5	0.0	
Channel				347500	349000	354000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1719.5	1745	1772.5			
15	QPSK	1	1	23.84	24.05	23.99	24.5	0.0	
Channel				343000	349000	359000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1716	1745	1775			
10	QPSK	1	1	23.85	23.99	23.84	24.5	0.0	
Channel				342500	349000	359000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	24.06	24.07	23.95	24.5	0.0	

n70 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340000	345000				
Frequency (MHz)				1702.5	1722.5				
15	PI2 BPSK	1	1		23.43				
15	PI2 BPSK	1	40		23.34		24.0	0.0	
15	PI2 BPSK	1	77		23.41				
15	PI2 BPSK	36	0		22.99		23.5	0.5	
15	PI2 BPSK	36	22		23.47		24.0	0.0	
15	PI2 BPSK	36	43		23.04				
15	PI2 BPSK	75	0		23.01		23.5	0.5	
15	QPSK	1	1		23.48				
15	QPSK	1	40		23.38		24.0	0.0	
15	QPSK	1	77		23.40				
15	QPSK	36	0		22.44		23.0	1.0	
15	QPSK	36	22		23.46		24.0	0.0	
15	QPSK	36	43		22.47				
15	QPSK	75	0		22.50		23.0	1.0	
15	16QAM	1	1		22.22		23.0	1.0	
15	64QAM	1	1		20.71		21.5	2.5	
15	256QAM	1	1		19.34		19.5	4.5	
Channel				340000	345000	341000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1700	1722.5	1726			
10	QPSK	1	1	23.34	23.41	23.35	24.0	0.0	
Channel				339500	345000	341000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	23.44	23.39	23.40	24.0	0.0	

n71 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	684			
20	PI2 BPSK	1	1	22.66	22.68	22.67			
20	PI2 BPSK	1	53	22.71	22.88	22.81	24.0	0.0	
20	PI2 BPSK	1	104	22.82	22.65	22.66			
20	PI2 BPSK	50	0	22.19	22.20	22.21	23.5	0.5	
20	PI2 BPSK	50	28	22.56	22.81	22.66	24.0	0.0	
20	PI2 BPSK	50	56	22.12	22.29	22.24	23.5	0.5	
20	PI2 BPSK	100	0	22.09	22.21	22.14			
20	QPSK	1	1	22.93	23.01	22.87			
20	QPSK	1	53	22.82	22.93	22.85	24.0	0.0	
20	QPSK	1	104	22.41	22.61	22.61			
20	QPSK	50	0	21.44	21.68	21.72	23.0	1.0	
20	QPSK	50	28	22.84	22.93	22.89	24.0	0.0	
20	QPSK	50	56	21.59	21.77	21.67			
20	QPSK	100	0	21.74	21.85	21.82	23.0	1.0	
20	16QAM	1	1	21.43	21.48	21.28	23.0	1.0	
20	64QAM	1	1	19.85	20.05	20.15	21.5	2.5	
20	256QAM	1	1	18.28	18.35	18.22	19.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				670.5	680.5	685.5			
15	QPSK	1	1	22.91	22.91	22.77	24.0	0.0	
Channel				133600	136100	136600	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.80	22.81	22.84	24.0	0.0	
Channel				133100	136100	137100	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.88	22.89	22.83	24.0	0.0	



n2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pl2 BPSK	1	1	22.95	22.84	22.86			
40	Pl2 BPSK	1	108	23.04	23.03	23.00	24.0	0.0	
40	Pl2 BPSK	1	214	22.71	22.81	22.65			
40	Pl2 BPSK	108	0	22.30	22.47	22.40	23.5	0.5	
40	Pl2 BPSK	108	54	22.91	22.89	22.85	24.0	0.0	
40	Pl2 BPSK	108	108	22.23	22.34	22.23	23.5	0.5	
40	Pl2 BPSK	216	0	22.27	22.42	22.24			
40	QPSK	1	1	22.92	23.10	22.94			
40	QPSK	1	108	22.83	22.96	22.98	24.0	0.0	
40	QPSK	1	214	22.90	22.99	22.95			
40	QPSK	108	0	22.09	22.10	21.91	23.0	1.0	
40	QPSK	108	54	22.98	23.01	22.96	24.0	0.0	
40	QPSK	108	108	21.98	22.02	21.90	23.0	1.0	
40	QPSK	216	0	22.00	22.05	21.80			
40	16QAM	1	1	21.91	21.95	21.83	23.0	1.0	
40	64QAM	1	1	20.32	20.53	20.31	21.5	2.5	
40	256QAM	1	1	18.78	18.90	18.82	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.08	23.09	23.03	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.11	23.21	23.10	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.80	18.82.5	18.05			
20	QPSK	1	1	23.20	23.13	23.10	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.97.5	18.80	18.02.5			
15	QPSK	1	1	23.07	23.15	23.11	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.09	23.19	23.10	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.22	23.12	23.12	24.0	0.0	

n5 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	22.59	22.80	22.83			
20	Pl2 BPSK	1	53	22.70	22.71	22.69	24.0	0.0	
20	Pl2 BPSK	1	104	22.61	22.74	22.66			
20	Pl2 BPSK	50	0	22.10	22.14	22.07	23.5	0.5	
20	Pl2 BPSK	50	26	22.54	22.67	22.61	24.0	0.0	
20	Pl2 BPSK	50	56	21.94	22.15	21.96	23.5	0.5	
20	Pl2 BPSK	100	0	22.13	22.13	22.06			
20	QPSK	1	1	22.74	22.82	22.80			
20	QPSK	1	53	22.60	22.75	22.62	24.0	0.0	
20	QPSK	1	104	22.62	22.71	22.71			
20	QPSK	50	0	21.49	21.57	21.51	23.0	1.0	
20	QPSK	50	26	22.51	22.68	22.58	24.0	0.0	
20	QPSK	50	56	21.68	21.63	21.70	23.0	1.0	
20	QPSK	100	0	21.67	21.74	21.52			
20	16QAM	1	1	21.44	21.57	21.37	23.0	1.0	
20	64QAM	1	1	20.14	20.23	20.01	21.5	2.5	
20	256QAM	1	1	18.32	18.37	18.30	19.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.70	22.72	22.67	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	829	836.5	844	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.67	22.65	22.69	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	806.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.54	22.58	22.55	24.0	0.0	

n12 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	22.83	22.83	22.71			
15	Pl2 BPSK	1	40	22.56	22.75	22.60	24.0	0.0	
15	Pl2 BPSK	1	77	22.85	22.86	22.84			
15	Pl2 BPSK	36	0	22.48	22.58	22.48	23.5	0.5	
15	Pl2 BPSK	36	25	22.77	22.81	22.65	24.0	0.0	
15	Pl2 BPSK	36	43	22.69	22.74	22.72	23.5	0.5	
15	Pl2 BPSK	75	0	22.54	22.60	22.43			
15	QPSK	1	1	22.84	22.99	22.76			
15	QPSK	1	40	22.76	22.77	22.71	24.0	0.0	
15	QPSK	1	77	22.55	22.75	22.72			
15	QPSK	36	0	21.65	21.83	21.66	23.0	1.0	
15	QPSK	36	25	22.79	22.82	22.76	24.0	0.0	
15	QPSK	36	43	22.02	22.07	22.04	23.0	1.0	
15	QPSK	75	0	22.08	22.12	22.06			
15	16QAM	1	1	21.75	21.96	21.97	23.0	1.0	
15	64QAM	1	1	20.45	20.47	20.26	21.5	2.5	
15	256QAM	1	1	18.94	18.85	18.84	19.5	4.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	704	707.5	711	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.68	22.83	22.61	24.0	0.0	
5	QPSK	1	1	701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.78	22.78	22.60	24.0	0.0	



n14 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				790				
10	PI2 BPSK	1	1	23.32			24.0	0.0
10	PI2 BPSK	1	26	23.52				
10	PI2 BPSK	1	50	23.46				
10	PI2 BPSK	25	0	23.00			23.5	0.5
10	PI2 BPSK	25	14	23.30			24.0	0.0
10	PI2 BPSK	25	27	22.83			23.5	0.5
10	PI2 BPSK	50	0	22.96				
10	QPSK	1	1	23.64			24.0	0.0
10	QPSK	1	26	23.55				
10	QPSK	1	50	23.39				
10	QPSK	25	0	22.51			23.0	1.0
10	QPSK	25	14	23.51			24.0	0.0
10	QPSK	25	27	22.40				
10	QPSK	50	0	22.48			23.0	1.0
10	16QAM	1	1	22.25			23.0	1.0
10	64QAM	1	1	20.81			21.5	2.5
10	256QAM	1	1	19.41			19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.50	23.58	23.46	24.0	0.0

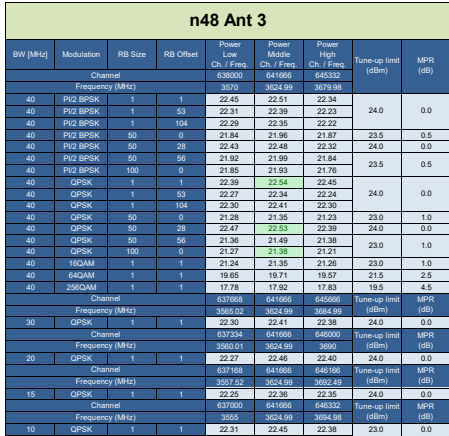
n25 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1070	1022.5	1065		
40	PI2 BPSK	1	1	22.91	22.89	22.84	24.0	0.0
40	PI2 BPSK	1	108	22.87	22.88	22.76		
40	PI2 BPSK	1	214	22.71	22.92	22.80		
40	PI2 BPSK	108	0	22.28	22.46	22.29	23.5	0.5
40	PI2 BPSK	108	54	22.77	22.88	22.68	24.0	0.0
40	PI2 BPSK	108	108	22.23	22.36	22.33	23.5	0.5
40	PI2 BPSK	216	0	22.58	22.58	22.58		
40	QPSK	1	1	22.93	23.05	22.80	24.0	0.0
40	QPSK	1	108	22.86	22.89	22.59		
40	QPSK	1	214	22.73	22.92	22.87		
40	QPSK	108	0	22.02	22.04	21.86	23.0	1.0
40	QPSK	108	54	22.96	23.00	22.96	24.0	0.0
40	QPSK	108	108	21.06	21.85	21.68	23.0	1.0
40	QPSK	216	0	21.81	21.86	21.86		
40	16QAM	1	1	21.52	21.67	21.49	23.0	1.0
40	64QAM	1	1	20.46	20.45	20.44	21.5	2.5
40	256QAM	1	1	18.54	18.67	18.48	19.5	4.5
Channel				379000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1862.5	1900		
30	QPSK	1	1	22.83	22.83	22.78	24.0	0.0
Channel								
Frequency (MHz)				1862.5	1862.5	1862.5		
25	QPSK	1	1	22.85	22.88	22.84	24.0	0.0
Channel								
Frequency (MHz)				1860	1862.5	1905		
20	QPSK	1	1	22.85	22.87	22.71	24.0	0.0
Channel								
Frequency (MHz)				371950	376500	381900	Tune-up limit (dBm)	MPR (dB)
Channel				1864	1862.5	1910		
15	QPSK	1	1	22.80	22.87	22.78	24.0	0.0
Channel								
Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Channel				1864	1862.5	1910		
10	QPSK	1	1	22.93	22.95	22.71	24.0	0.0
Channel								
Frequency (MHz)				370500	376500	382000	Tune-up limit (dBm)	MPR (dB)
Channel				1862.5	1862.5	1912.5		
5	QPSK	1	1	22.73	22.96	22.70	24.0	0.0

n26 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				824	831.5	839		
30	PI2 BPSK	1	1	22.34	22.35	22.34	24.0	0.0
30	PI2 BPSK	1	53	22.32	22.54	22.19		
30	PI2 BPSK	1	104	22.34	22.30	22.22		
30	PI2 BPSK	50	0	21.80	21.77	21.62	23.5	0.5
30	PI2 BPSK	50	28	22.29	22.35	22.36	24.0	0.0
30	PI2 BPSK	50	56	21.77	21.91	21.83	23.5	0.5
30	PI2 BPSK	100	0	21.68	21.93	21.72		
30	QPSK	1	1	22.49	22.55	22.50	24.0	0.0
30	QPSK	1	53	22.30	22.50	22.37		
30	QPSK	1	104	22.07	22.31	22.29		
30	QPSK	50	0	21.15	21.36	21.27	23.0	1.0
30	QPSK	50	25	22.27	22.46	22.28	24.0	0.0
30	QPSK	50	56	21.21	21.44	21.28	23.0	1.0
30	QPSK	100	0	21.37	21.53	21.52		
30	16QAM	1	1	21.06	21.12	20.96	23.0	1.0
30	64QAM	1	1	19.59	19.68	19.69	21.5	2.5
30	256QAM	1	1	17.88	17.99	17.92	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	831.5	841.5		
15	QPSK	1	1	22.33	22.50	22.43	24.0	0.0
Channel								
Frequency (MHz)				163800	166300	166800	Tune-up limit (dBm)	MPR (dB)
Channel				819	831.5	844		
10	QPSK	1	1	22.42	22.51	22.44	24.0	0.0
Channel								
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.40	22.45	22.45	24.0	0.0

n66 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	350000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.79	22.82	22.91		
40	PI2 BPSK	1	108	22.69	22.87	22.65	24.0	0.0
40	PI2 BPSK	1	214	22.64	22.74	22.53		
40	PI2 BPSK	108	0	22.33	22.34	22.25	23.5	0.5
40	PI2 BPSK	108	84	22.34	22.93	22.78	24.0	0.0
40	PI2 BPSK	108	108	22.23	22.43	22.35	23.5	0.5
40	PI2 BPSK	216	0	22.09	22.30	22.20		
40	QPSK	1	1	22.76	22.95	22.84		
40	QPSK	1	108	22.61	22.75	22.61	24.0	0.0
40	QPSK	1	214	22.74	22.81	22.66		
40	QPSK	108	0	21.82	21.91	21.89	23.0	1.0
40	QPSK	108	84	22.85	22.92	22.75	24.0	0.0
40	QPSK	108	108	21.85	21.86	21.75	23.0	1.0
40	QPSK	216	0	21.88	21.93	21.85	23.0	1.0
40	16QAM	1	1	21.50	21.64	21.48	23.0	1.0
40	64QAM	1	1	20.07	20.21	20.06	21.5	2.5
40	256QAM	1	1	18.45	18.59	18.61	19.5	4.5
Channel				349000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	80	22.70	22.82	22.71	24.0	0.0
Channel				345500	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	PI2 BPSK	1	87	22.64	22.75	22.69	24.0	0.0
Channel				349500	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	256QAM	1	1	22.61	22.87	22.68	24.0	0.0
Channel				345000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	22.70	22.83	22.75	24.0	0.0
Channel				345000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1714	1745	1772		
10	QPSK	1	25	22.65	22.80	22.78	24.0	0.0
Channel				342500	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	13	22.60	22.80	22.71	24.0	0.0

n70 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000			
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1	22.69	22.69			
15	PI2 BPSK	1	40	22.62			24.0	0.0
15	PI2 BPSK	1	77	22.64				
15	PI2 BPSK	36	0	22.17			23.5	0.5
15	PI2 BPSK	36	22	22.66			24.0	0.0
15	PI2 BPSK	36	43	22.19			23.5	0.5
15	PI2 BPSK	75	0	22.17				
15	QPSK	1	1	22.71				
15	QPSK	1	40	22.65			24.0	0.0
15	QPSK	1	77	22.70				
15	QPSK	36	0	21.66			23.0	1.0
15	QPSK	36	22	22.66			24.0	0.0
15	QPSK	36	43	21.69				
15	QPSK	75	0	21.70			23.0	1.0
15	16QAM	1	1	21.62			23.0	1.0
15	64QAM	1	1	20.15			21.5	2.5
15	256QAM	1	1	18.35			19.5	4.5
Channel				340000	340000	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.68	22.67	22.55	24.0	0.0
Channel				339500	340000	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	22.64	22.65	22.69	24.0	0.0

n71 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				172	690.5	694		
30	PI2 BPSK	1	1	22.89	23.04	22.84		
30	PI2 BPSK	1	53	22.99	23.02	22.95	24.0	0.0
30	PI2 BPSK	1	104	22.96	22.95	22.82		
30	PI2 BPSK	50	0	22.38	22.53	22.50	23.5	0.5
30	PI2 BPSK	50	28	22.89	23.05	22.91	24.0	0.0
30	PI2 BPSK	50	56	22.57	22.67	22.68		0.5
30	PI2 BPSK	100	0	22.40	22.54	22.48	23.5	0.5
30	QPSK	1	1	23.03	23.11	23.06		
30	QPSK	1	53	23.05	23.07	22.90	24.0	0.0
30	QPSK	1	104	22.93	23.04	23.00		
30	QPSK	50	0	21.97	21.99	21.85	23.0	1.0
30	QPSK	50	25	22.87	23.03	22.86	24.0	0.0
30	QPSK	50	56	21.94	21.98	21.95	23.0	1.0
30	QPSK	100	0	21.88	22.08	21.98	23.0	1.0
30	16QAM	1	1	21.95	21.95	21.78	23.0	1.0
30	64QAM	1	1	20.52	20.58	20.54	21.5	2.5
30	256QAM	1	1	19.08	19.16	19.00	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				690.5	690.5	695.5		
15	QPSK	1	1	22.89	23.05	22.99	24.0	0.0
Channel				133500	136100	138500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				688	690.5	693		
10	QPSK	1	1	22.87	22.98	22.90	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				685.5	690.5	695.5		
5	QPSK	1	1	22.87	22.92	22.85	24.0	0.0



Part270 n77_PC2 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 660000	Power Middle Ch. Freq. 666000	Power High Ch. Freq. 672000	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	P2	BPBK	1	1	3750	3840	3930		
10	P2	BPBK	1	1	25.25	25.25	25.25	27.0	0.0
10	P2	BPBK	1	137	25.23	25.23	25.24		
10	P2	BPBK	1	271	25.24	25.24	25.22		
10	P2	BPBK	135	0	24.77	24.82	24.77	28.5	0.5
10	P2	BPBK	135	0	24.77	24.82	24.77	28.5	0.5
10	P2	BPBK	135	138	24.66	24.80	24.75		
10	P2	BPBK	270	0	24.77	24.80	24.80	28.5	0.5
10	QPSK	1	1	1	25.39	25.41	25.35		
10	QPSK	1	137	127	25.27	25.31	25.24	27.0	0.0
10	QPSK	1	271	225	25.25	25.35	25.16		
10	QPSK	135	0	1	24.15	24.25	24.09	28.0	1.0
10	QPSK	135	0	138	24.05	24.15	24.05	27.0	0.0
10	QPSK	135	138	0	24.06	24.12	24.05		
10	QPSK	270	0	1	24.27	24.26	24.16	28.0	1.0
10	16QAM	1	1	1	24.01	24.12	23.99	28.0	1.0
10	16QAM	1	1	271	23.85	23.92	23.84	24.5	2.5
10	256QAM	1	1	1	20.66	20.72	20.65	22.5	4.5
Channel									
Frequency (MHz)									
90	QPSK	1	1	1	3745.02	3840.00	3935.01	Turn-up limit (dBm)	MPR (dB)
90	QPSK	1	1	1	25.27	25.28	25.31	27.0	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	1	6669.34	66600.00	66606.68	Turn-up limit (dBm)	MPR (dB)
90	QPSK	1	1	1	3740.41	3840.00	3940.00	Turn-up limit (dBm)	MPR (dB)
90	QPSK	1	1	1	25.30	25.31	25.31	27.0	0.0
90	QPSK	1	1	1	66690.00	66500.00	66300.00	Turn-up limit (dBm)	MPR (dB)
90	QPSK	1	1	1	3730.00	3840.00	3940.00	Turn-up limit (dBm)	MPR (dB)
90	QPSK	1	1	1	25.26	25.29	25.28	27.0	0.0
90	QPSK	1	1	1	66693.00	66500.00	66333.00	Turn-up limit (dBm)	MPR (dB)
90	QPSK	1	1	1	3730.02	3840.00	3960.01	Turn-up limit (dBm)	MPR (dB)
90	QPSK	1	1	1	25.24	25.34	25.29	27.0	0.0
90	QPSK	1	1	1	66694.00	66500.00	66600.00	Turn-up limit (dBm)	MPR (dB)
90	QPSK	1	1	1	3725.01	3840.00	3955.02	Turn-up limit (dBm)	MPR (dB)
90	QPSK	1	1	1	25.32	25.35	25.26	27.0	0.0
90	QPSK	1	1	1	66400.00	66500.00	66400.00	Turn-up limit (dBm)	MPR (dB)
90	QPSK	1	1	1	3734.00	3840.00	3960.00	Turn-up limit (dBm)	MPR (dB)
90	QPSK	1	1	1	25.23	25.26	25.22	27.0	0.0
90	QPSK	1	1	1	66666.68	66600.00	66233.34	Turn-up limit (dBm)	MPR (dB)
90	QPSK	1	1	1	3745.02	3840.00	3935.01	Turn-up limit (dBm)	MPR (dB)
30	QPSK	1	1	1	25.33	25.32	25.32	27.0	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	1	64750.00	65600.00	66450.00	Turn-up limit (dBm)	MPR (dB)
25	QPSK	1	1	1	3712.53	3840.00	3967.5	Turn-up limit (dBm)	MPR (dB)
25	QPSK	1	1	1	25.26	25.32	25.23	27.0	0.0
25	QPSK	1	1	1	64743.00	65600.00	66566.68	Turn-up limit (dBm)	MPR (dB)
25	QPSK	1	1	1	3710.01	3840.00	3970.02	Turn-up limit (dBm)	MPR (dB)
20	QPSK	1	1	1	25.35	25.36	25.24	27.0	0.0
20	QPSK	1	1	1	64710.00	65600.00	66584.00	Turn-up limit (dBm)	MPR (dB)
20	QPSK	1	1	1	3707.52	3840.00	3972.51	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	1	1	25.25	25.32	25.30	27.0	0.0
15	QPSK	1	1	1	64710.00	65600.00	66500.00	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	1	1	3704.00	3840.00	3964.00	Turn-up limit (dBm)	MPR (dB)
10	QPSK	1	1	1	25.33	25.34	25.29	27.0	0.0

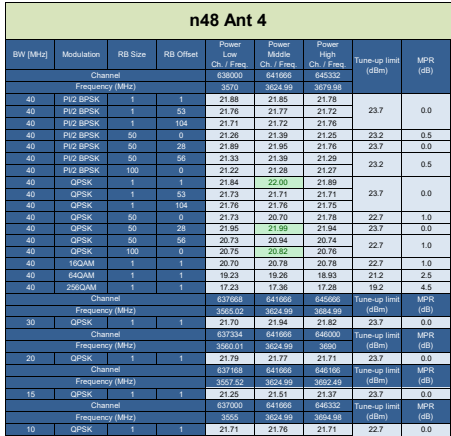
Part27Q n77 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Turn-up limit (dBm)	MPR (db)	
Channel									
		Frequency (MHz)			3500.01				
100	P12 BPSK	1	1	22.76	22.76				
100	P12 BPSK	1	137	22.82	22.82	24.0	0.0		
100	P12 BPSK	1	270	22.76	22.76				
100	P12 BPSK	136	0	22.33	22.33	23.5	0.5		
100	P12 BPSK	135	89	22.83	22.83	24.0	0.0		
100	P12 BPSK	136	136	22.22	22.22	23.5	0.5		
100	P12 BPSK	270	0	22.97	22.97	23.5	0.5		
100	QPSK	1	1	22.87	22.87				
100	QPSK	1	137	22.74	22.74	24.0	0.0		
100	QPSK	1	271	22.79	22.79				
100	QPSK	136	0	21.69	21.69	23.0	1.0		
100	QPSK	135	89	22.68	22.68	24.0	0.0		
100	QPSK	136	136	21.55	21.55	23.0	1.0		
100	QPSK	270	0	21.71	21.71	23.0	1.0		
100	16QAM	1	1	21.54	21.54	23.0	1.0		
100	16QAM	1	1	19.95	19.95	21.5	2.5		
100	256QAM	1	1	18.28	18.28	19.5	4.5		
Channel									
		Frequency (MHz)		633000	633334	633608	Turn-up limit (dBm)	MPR (db)	
90	QPSK	1	1	22.82	22.82	22.82	24.0	0.0	
90	QPSK	1	1	22.82	22.87	22.84	24.0	0.0	
Channel									
		Frequency (MHz)		632668	633334	634000	Turn-up limit (dBm)	MPR (db)	
80	QPSK	1	1	22.82	22.82	22.88	24.0	0.0	
80	QPSK	1	1	22.82	22.85	22.89	24.0	0.0	
Channel									
		Frequency (MHz)		3465.01	3500.01	3515.01	Turn-up limit (dBm)	MPR (db)	
70	QPSK	1	1	22.80	22.82	22.82	24.0	0.0	
70	QPSK	1	1	22.82	22.85	22.88	24.0	0.0	
Channel									
		Frequency (MHz)		3480	3500.01	3502.02	Turn-up limit (dBm)	MPR (db)	
60	QPSK	1	1	22.87	22.89	22.88	24.0	0.0	
60	QPSK	1	1	22.87	22.89	22.88	24.0	0.0	
Channel									
		Frequency (MHz)		3479.03	3500.01	3502.01	Turn-up limit (dBm)	MPR (db)	
50	QPSK	1	1	22.89	22.87	22.85	24.0	0.0	
50	QPSK	1	1	22.89	22.87	22.85	24.0	0.0	
Channel									
		Frequency (MHz)		3471.34	3500.01	3503.34	Turn-up limit (dBm)	MPR (db)	
40	QPSK	1	1	22.91	22.83	22.88	24.0	0.0	
40	QPSK	1	1	22.91	22.83	22.88	24.0	0.0	
Channel									
		Frequency (MHz)		3461.00	3500.01	3506.00	Turn-up limit (dBm)	MPR (db)	
30	QPSK	1	1	22.88	22.85	22.90	24.0	0.0	
30	QPSK	1	1	22.88	22.85	22.90	24.0	0.0	
Channel									
		Frequency (MHz)		3462.51	3500.01	3507.51	Turn-up limit (dBm)	MPR (db)	
25	QPSK	1	1	22.87	22.87	22.86	24.0	0.0	
25	QPSK	1	1	22.87	22.87	22.86	24.0	0.0	
Channel									
		Frequency (MHz)		3459.99	3500.01	3500.00	Turn-up limit (dBm)	MPR (db)	
20	QPSK	1	1	22.88	22.86	22.87	24.0	0.0	
20	QPSK	1	1	22.88	22.86	22.87	24.0	0.0	
Channel									
		Frequency (MHz)		3459.5	3500.01	3500.01	Turn-up limit (dBm)	MPR (db)	
15	QPSK	1	1	22.88	22.92	22.87	24.0	0.0	
15	QPSK	1	1	22.88	22.92	22.87	24.0	0.0	
Channel									
		Frequency (MHz)		3456.01	3500.01	3545.01	Turn-up limit (dBm)	MPR (db)	
10	QPSK	1	1	22.87	22.83	22.90	24.0	0.0	

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RW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel					633334			
	Frequency (MHz)				3500.01			
100	P2-PSK	1	1	25.90				
100	P2-PSK	1	137	25.97			27.0	0.0
100	P2-PSK	1	271	25.91				
100	QPSK	135	0	25.48			28.5	0.5
100	P2-PSK	135	69	25.52			27.0	0.0
100	P2-PSK	135	138	25.48			28.5	0.5
100	P2-PSK	270	0	25.51			28.5	0.5
100	QPSK	1	1	25.16				
100	QPSK	1	137	25.05			27.0	0.0
100	QPSK	1	271	25.98				
100	QPSK	135	0	24.97			28.0	1.0
100	QPSK	135	69	25.07			27.0	0.0
100	QPSK	135	138	25.04			28.0	1.0
100	QPSK	270	0	25.01			28.0	1.0
100	16QAM	1	1	24.61			24.5	2.5
100	16QAM	1	1	23.09			24.5	2.5
100	256QAM	1	1	21.67			22.5	4.5
Channel				633000	633334	633608	Turn-up limit	MPR
	Frequency (MHz)			446	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	26.07	26.04	26.02	27.0	0.0
Channel				632668	633334	634000	Turn-up limit	MPR
	Frequency (MHz)			349.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	26.08	26.05	26.07	27.0	0.0
Channel				632334	633334	634334	Turn-up limit	MPR
	Frequency (MHz)			348.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	25.98	25.99	26.00	27.0	0.0
Channel				632000	633334	634500	Turn-up limit	MPR
	Frequency (MHz)			3480	3500.01	3502.02	(dBm)	(dB)
60	QPSK	1	1	26.05	26.05	26.03	27.0	0.0
Channel				631668	633334	635000	Turn-up limit	MPR
	Frequency (MHz)			3475.02	3500.01	3505	(dBm)	(dB)
50	QPSK	1	1	26.03	26.01	26.04	27.0	0.0
40	QPSK	1	1	26.03	26.01	26.04	27.0	0.0
Channel				631334	633334	635334	Turn-up limit	MPR
	Frequency (MHz)			3470.01	3500.01	3503.01	(dBm)	(dB)
40	QPSK	1	1	26.01	25.98	25.98	27.0	0.0
Channel				631000	633334	635668	Turn-up limit	MPR
	Frequency (MHz)			3465	3500.01	3503.02	(dBm)	(dB)
30	QPSK	1	1	26.02	26.04	26.07	27.0	0.0
Channel				630684	633334	636384	Turn-up limit	MPR
	Frequency (MHz)			3462.01	3500.01	3503.01	(dBm)	(dB)
25	QPSK	1	1	26.00	26.00	26.00	27.0	0.0
Channel				630668	633334	636900	Turn-up limit	MPR
	Frequency (MHz)			3460.02	3500.01	3505	(dBm)	(dB)
20	QPSK	1	1	26.06	26.07	25.99	27.0	0.0
Channel				630350	633334	637350	Turn-up limit	MPR
	Frequency (MHz)			3457.5	3500.01	3502.52	(dBm)	(dB)
15	QPSK	1	1	25.98	26.02	25.98	27.0	0.0
Channel				630000	633334	638000	Turn-up limit	MPR
	Frequency (MHz)			3455.01	3500.01	3505.01	(dBm)	(dB)
10	QPSK	1	1	25.96	26.00	26.03	27.0	0.0

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RW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	
Channel							
	Frequency (MHz)				3750		
100	QPSK	1	1	2155.42	65000	65034	24.0 0.0
100	P2-SPSK	1	137	22.21			
100	P2-SPSK	1	211	22.23			
100	QPSK	135	0	21.72		23.5 0.5	
100	P2-SPSK	135	69	21.73		24.0 0.0	
100	P2-SPSK	135	138	21.61		23.5 0.5	
100	P2-SPSK	270	0	21.80			
100	QPSK	1	1	22.34			
100	QPSK	1	137	22.16		24.0 0.0	
100	QPSK	1	271	22.16			
100	QPSK	135	0	21.71		23.0 1.0	
100	QPSK	135	69	21.72		24.0 0.0	
100	QPSK	135	138	20.91		23.0 1.0	
100	16QAM	1	1	21.82			
100	16QAM	1	1	19.23		23.5 2.0	
100	256QAM	1	1	17.80		19.5 4.5	
Channel							
	Frequency (MHz)			649598	650000	650334	Time-up limit (dBm) MPR (dB)
90	QPSK	1	1	2155.42	65000	65034	24.0 0.0
90	QPSK	1	1	22.18	22.21	22.21	24.0 0.0
Channel							
	Frequency (MHz)			649534	650000	650698	Time-up limit (dBm) MPR (dB)
80	QPSK	1	1	3740.01	3750	3760.02	24.0 0.0
80	QPSK	1	1	22.20	22.19	22.21	24.0 0.0
Channel							
	Frequency (MHz)			3735	3750	3765	Time-up limit (dBm) MPR (dB)
70	QPSK	1	1	22.28	22.25	22.23	24.0 0.0
70	QPSK	1	1	22.22	22.22	22.22	24.0 0.0
Channel							
	Frequency (MHz)			3760.02	3750	3770.01	Time-up limit (dBm) MPR (dB)
60	QPSK	1	1	22.22	22.24	22.20	24.0 0.0
60	QPSK	1	1	649534	650000	651008	Time-up limit (dBm) MPR (dB)
60	QPSK	1	1	3755.03	3750	3775.02	24.0 0.0
50	QPSK	1	1	22.19	22.28	22.20	24.0 0.0
50	QPSK	1	1	649400	650000	652000	Time-up limit (dBm) MPR (dB)
50	QPSK	1	1	3750	3750	3760	24.0 0.0
Channel							
	Frequency (MHz)			22.22	22.28	22.28	24.0 0.0
40	QPSK	1	1	22.22	22.28	22.28	24.0 0.0
40	QPSK	1	1	647608	650000	652334	Time-up limit (dBm) MPR (dB)
40	QPSK	1	1	3715.02	3760	3765.01	24.0 0.0
30	QPSK	1	1	22.22	22.25	22.21	24.0 0.0
30	QPSK	1	1	647590	650000	652590	Time-up limit (dBm) MPR (dB)
30	QPSK	1	1	3717.5	3760	3767.5	24.0 0.0
20	QPSK	1	1	22.18	22.22	22.22	24.0 0.0
20	QPSK	1	1	647334	650000	652698	Time-up limit (dBm) MPR (dB)
20	QPSK	1	1	3716.01	3750	3760.02	24.0 0.0
20	QPSK	1	1	22.18	22.19	22.24	24.0 0.0
20	QPSK	1	1	647100	650000	653000	Time-up limit (dBm) MPR (dB)
15	QPSK	1	1	3707.52	3750	3762.51	24.0 0.0
15	QPSK	1	1	22.25	22.19	22.22	24.0 0.0
15	QPSK	1	1	647000	650000	653000	Time-up limit (dBm) MPR (dB)
15	QPSK	1	1	3705	3750	3755	24.0 0.0
10	QPSK	1	1	22.29	22.27	22.24	24.0 0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Modem Ch. / Freq. 633334	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3000.01				
100	PQ2 BPSK	1	1	22.22				
100	PQ2 BPSK	1	137	22.42			24.0	0.0
100	PQ2 BPSK	1	271	22.33				
100	PQ2 BPSK	135	0	21.88			23.5	0.5
100	PQ2 BPSK	135	69	22.49			24.0	0.0
100	PQ2 BPSK	135	138	21.82			23.5	0.5
100	PQ2 BPSK	270	0	22.06				
100	QPSK	1	1	22.53				
100	QPSK	1	137	22.25			24.0	0.0
100	QPSK	1	271	22.58				
100	QPSK	135	0	21.32			23.0	1.0
100	QPSK	135	69	22.46			24.0	0.0
100	QPSK	135	138	21.74			23.0	1.0
100	QPSK	270	0	21.25			23.0	1.0
100	16QAM	1	1	21.06			23.0	1.0
100	64QAM	1	1	19.46			21.5	2.5
100	256QAM	1	1	17.75			19.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3465	3000.01	3500.02	(dBm)	(dB)
90	QPSK	1	1	22.35	22.35	22.45	24.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3000.01	3510	(dBm)	(dB)
80	QPSK	1	1	22.42	22.37	22.49	24.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3465.01	3000.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	22.38	22.46	22.46	24.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3460	3000.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	22.44	22.40	22.44	24.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3465.02	3000.01	3525	(dBm)	(dB)
50	QPSK	1	1	22.44	22.43	22.43	24.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3000.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	22.39	22.37	22.41	24.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3000.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	22.47	22.40	22.43	24.0	0.0
Channel				630504	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3462.51	3000.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	22.41	22.43	22.39	24.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3000.01	3540	(dBm)	(dB)
20	QPSK	1	1	22.43	22.42	22.43	24.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.75	3000.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	22.47	22.47	22.49	24.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3000.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	22.41	22.38	22.40	24.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 650000	Power Middle Ch. Freq. 656000	Power High Ch. Freq. 662000	Time-up limit (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			3750	3940	3930			
100	BPSK	1	1	22.09	22.27	22.23	23.5	0.0	
100	BPSK	1	137	22.18	22.31	22.27	23.5	0.0	
100	BPSK	1	271	22.25	22.33	22.20	23.0	0.5	
100	BPSK	135	0	21.83	21.83	21.71	23.0	0.5	
100	BPSK	135	68	22.28	22.31	22.17	23.5	0.0	
100	BPSK	135	138	21.62	21.68	21.68	23.0	0.5	
100	BPSK	270	0	21.83	21.96	21.91	23.0	0.5	
100	QPSK	1		22.36	22.30	22.21			
100	QPSK	1	137	22.07	22.25	21.98	23.5	0.0	
100	QPSK	1	271	22.14	22.26	22.12			
100	QPSK	135	0	21.65	21.21	21.07	22.5	1.0	
100	QPSK	135	68	22.26	22.31	22.18	23.5	0.0	
100	QPSK	135	138	20.95	21.00	20.94	22.5	1.0	
100	QPSK	270	0	21.15	21.20	21.13	22.5	1.0	
100	16QAM	1		20.92	21.07	20.89	22.5	1.0	
100	64QAM	1		19.54	19.48	19.48	21.0	2.5	
100	256QAM	1		17.54	17.75	17.73	19.0	4.5	
Channel									
	Frequency (MHz)			646868	656000	662334	Time-up limit (dBm)	MPR (dB)	
90	QPSK	1		22.20	22.31	22.16	23.5	0.0	
Channel									
	Frequency (MHz)			3740.01	384686	3940.02	Time-up limit (dBm)	MPR (dB)	
80	QPSK	1		22.27	22.25	22.25	23.5	0.0	
Channel									
	Frequency (MHz)			650000	656000	663000	Time-up limit (dBm)	MPR (dB)	
70	QPSK	1		3735	3840	3945			
70	QPSK	1	1	22.28	22.27	22.27	23.5	0.0	
70	QPSK	1	137	22.09	22.10	22.13	23.5	0.0	
70	QPSK	1	271	22.30	22.34	22.30	23.0	0.5	
60	QPSK	1	1	22.31	22.30	22.26	23.5	0.0	
Channel									
	Frequency (MHz)			65421	656000	664000	Time-up limit (dBm)	MPR (dB)	
50	QPSK	1		3750	3840	3955.02			
50	QPSK	1	1	22.20	22.28	22.14	23.5	0.0	
50	QPSK	1	137	22.09	22.09	22.09	23.5	0.0	
50	QPSK	1	271	22.28	22.29	22.14	23.5	0.0	
40	QPSK	1	1	22.28	22.29	22.14	23.5	0.0	
Channel									
	Frequency (MHz)			649868	656000	662334	Time-up limit (dBm)	MPR (dB)	
30	QPSK	1		3743.02	3840	3933.01			
30	QPSK	1	1	22.28	22.32	22.26	23.5	0.0	
Channel									
	Frequency (MHz)			647500	656000	664500	Time-up limit (dBm)	MPR (dB)	
25	QPSK	1		3712.50	3840	3967.50			
25	QPSK	1	1	22.20	22.28	22.16	23.5	0.0	
Channel									
	Frequency (MHz)			3710.01	3840	3970.02	Time-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.22	22.24	22.12	23.5	0.0	
Channel									
	Frequency (MHz)			647000	656000	663750	Time-up limit (dBm)	MPR (dB)	
15	QPSK	1		3707.50	3840	3972.51			
15	QPSK	1	1	22.21	22.24	22.11	23.5	0.0	
Channel									
	Frequency (MHz)			647000	656000	665000	Time-up limit (dBm)	MPR (dB)	
10	QPSK	1		3700.00	3840	3960.00			
10	QPSK	1	1	22.25	22.30	22.28	23.5	0.0	

Part270 n77_PC2 Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Qu (FHz)	Power Middle Qu (FHz)	Power High Qu (FHz)	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PB2 BPSK	1	1	25.07	25.16	25.08		
100	PB2 BPSK	1	137	25.09	25.19	25.05	27.0	0.0
100	PB2 BPSK	1	271	25.09	25.23	25.06		
100	PB2 BPSK	135	0	24.60	24.74	24.58	28.5	0.5
100	PB2 BPSK	135	138	24.18	24.33	24.07	27.0	0.0
100	PB2 BPSK	135	270	24.60	24.73	24.60	28.5	0.5
100	PB2 BPSK	270	0	24.73	24.89	24.61		
100	QPSK	1	1	25.18	25.35	25.21		
100	QPSK	1	137	25.17	25.34	25.04	27.0	0.0
100	QPSK	1	271	25.17	25.25	25.13		
100	QPSK	135	0	24.08	24.16	23.99	28.0	1.0
100	QPSK	135	138	24.52	24.66	24.10	27.0	0.0
100	QPSK	135	270	23.99	24.39	23.92		
100	QPSK	270	0	24.15	24.20	24.08	28.0	1.0
100	16QAM	1	1	23.92	24.00	23.81	26.0	1.0
100	16QAM	1	137	23.92	24.25	23.29	24.5	2.5
100	256QAM	1	1	20.49	20.64	20.59	22.5	4.5
Channel								
Frequency (MHz)				4644.0	46500.0	46233.4	Turn-up time (dBm)	MPR (dB)
90	QPSK	1	1	25.08	25.28	25.00	27.0	0.0
Channel								
Frequency (MHz)				67733.4	68166.8	68066.8	Turn-up time (dBm)	MPR (dB)
80	QPSK	1	1	23.00	23.20	23.00	27.0	0.0
Channel								
Frequency (MHz)				69500.0	69500.0	69300.0	Turn-up time (dBm)	MPR (dB)
70	QPSK	1	1	25.06	25.26	25.00	27.0	0.0
Channel								
Frequency (MHz)				3735	3840	3945		
60	QPSK	1	1	25.06	25.25	25.17	27.0	0.0
Channel								
Frequency (MHz)				68523.4	68523.4	68502.0	Turn-up time (dBm)	MPR (dB)
50	QPSK	1	1	25.14	25.20	25.06	27.0	0.0
Channel								
Frequency (MHz)				66400.0	66500.0	66400.0	Turn-up time (dBm)	MPR (dB)
40	QPSK	1	1	25.02	25.23	25.00	27.0	0.0
Channel								
Frequency (MHz)				66968.0	66900.0	66233.4	Turn-up time (dBm)	MPR (dB)
30	QPSK	1	1	25.02	25.24	25.14	27.0	0.0
Channel								
Frequency (MHz)				64750.0	66500.0	64540.0	Turn-up time (dBm)	MPR (dB)
25	QPSK	1	1	25.08	25.21	25.13	27.0	0.0
Channel								
Frequency (MHz)				3710.0	3840	3970.0	Turn-up time (dBm)	MPR (dB)
20	QPSK	1	1	25.04	25.24	25.08	27.0	0.0
Channel								
Frequency (MHz)				67000.0	66500.0	66800.0	Turn-up time (dBm)	MPR (dB)
15	QPSK	1	1	25.05	25.29	25.16	27.0	0.0
Channel								
Frequency (MHz)				64700.0	66500.0	64500.0	Turn-up time (dBm)	MPR (dB)
10	QPSK	1	1	25.11	25.20	25.05	27.0	0.0

Part27Q n77 Ant 4						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F]	Power Middle Ch. [F]	Power High Ch. [F]
				635334	635334	
Channel				3500.01		
Frequency (MHz)						Turn-up time (dBm)
100	Pi2 BPSK	1	1	21.07		
100	Pi2 BPSK	1	137	22.07		23.5 0.0
100	Pi2 BPSK	1	271	21.07		
100	Pi2 BPSK	136	0	21.47		23.0 0.5
100	Pi2 BPSK	136	60	22.03		23.0 0.0
100	Pi2 BPSK	136	136	21.47		23.0 0.5
100	Pi2 BPSK	270	0	21.03		
100	QPSK	1	1	22.88		
100	QPSK	1	137	21.94		23.5 0.0
100	QPSK	1	271	21.94		
100	QPSK	136	0	20.96		22.5 1.0
100	QPSK	136	60	22.01		22.5 0.0
100	QPSK	136	136	20.70		22.5 1.0
100	QPSK	270	0	21.07		
100	16QAM	1	1	10.16		22.5 2.5
100	256QAM	1	1	17.53		19.0 4.0
Channel				633000	633334	633668
Frequency (MHz)				3500.01		Turn-up time MPR
90	QPSK	1	1	21.95	21.95	22.01 23.5 0.0
Channel				630668	633334	636000
Frequency (MHz)				3500.01		Turn-up time MPR
80	QPSK	1	1	21.18	22.03	22.02 23.5 0.0
Channel				632334	633334	634334
Frequency (MHz)				3485.01	3500.01	3515.01 MPR
70	QPSK	1	1	21.92	21.99	21.99 23.5 0.0
Channel				631000	633334	635668
60	QPSK	1	1	21.95	22.01	21.94 23.5 0.0
Channel				630668	633334	636000
Frequency (MHz)				3475.00	3500.01	3525 23.5 0.0
50	QPSK	1	1	21.93	21.97	21.95 23.5 0.0
Channel				631334	633334	635334
Frequency (MHz)				3470.03	3500.03	3530.03 MPR
40	QPSK	1	1	22.01	21.92	21.92 23.5 0.0
Channel				631000	633334	635668
Frequency (MHz)				3500.01		Turn-up time MPR
30	QPSK	1	1	21.94	22.00	22.01 23.5 0.0
Channel				630834	633334	635834
Frequency (MHz)				3462.51	3500.01	3537.51 MPR
25	QPSK	1	1	21.98	21.99	21.98 23.5 0.0
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540 23.5 0.0
20	QPSK	1	1	22.02	21.98	21.98 23.5 0.0
Channel				630500	633334	635834
Frequency (MHz)				3457.5	3500.01	3542.52 MPR
15	QPSK	1	1	21.92	21.94	21.98 23.5 0.0
Channel				632334	633334	635334
Frequency (MHz)				3450.01	3500.01	3545.01 MPR
10	QPSK	1	1	21.99	21.95	21.96 23.5 0.0

Part27Q n77_PC2 Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
Channel							
	Frequency (MHz)				3500.01		
100	PV2 BPSK	1	1	25.22			
100	PV2 BPSK	1	137	25.15		27.0	0.0
100	PV2 BPSK	1	271	25.18			
100	PV2 BPSK	135	0	24.69		28.5	0.5
100	PV2 BPSK	135	69	25.18		27.0	0.0
100	PV2 BPSK	135	138	24.69		28.5	0.5
100	PV2 BPSK	270	0	25.34		28.5	0.5
100	QPSK	1	1	25.22			
100	QPSK	1	137	25.14		27.0	0.0
100	QPSK	1	271	25.15			
100	QPSK	135	0	24.22		28.0	1.0
100	QPSK	135	69	25.08		27.0	0.0
100	QPSK	135	138	24.12		28.0	1.0
100	QPSK	270	0	25.19		28.0	1.0
100	16QAM	1	1	25.43		24.5	2.5
100	256QAM	1	1	20.67		26.0	1.0
Channel							
	Frequency (MHz)			633000	633334	633668	Time-up limit (dBm)
90	QPSK	1	1	25.26	3500.01	3500.02	MPR (dB)
90	QPSK	1	137	25.26	3500.01	3500.02	Time-up limit (dBm)
90	QPSK	1	271	25.26	3500.01	3500.02	Time-up limit (dBm)
80	QPSK	1	1	25.25	3500.01	3500.02	MPR (dB)
80	QPSK	1	137	25.25	3500.01	3500.02	Time-up limit (dBm)
80	QPSK	1	271	25.25	3500.01	3500.02	Time-up limit (dBm)
Channel							
	Frequency (MHz)			3435.01	3438.01	3441.01	Time-up limit (dBm)
70	QPSK	1	1	25.21	3500.01	3500.02	MPR (dB)
70	QPSK	1	137	25.21	3500.01	3500.02	Time-up limit (dBm)
70	QPSK	1	271	25.21	3500.01	3500.02	Time-up limit (dBm)
Channel							
	Frequency (MHz)			3480	3500.01	3520.02	Time-up limit (dBm)
60	QPSK	1	1	25.25	3500.01	3520.02	MPR (dB)
60	QPSK	1	137	25.25	3500.01	3520.02	Time-up limit (dBm)
60	QPSK	1	271	25.25	3500.01	3520.02	Time-up limit (dBm)
Channel							
	Frequency (MHz)			3479.02	3500.01	3520.02	Time-up limit (dBm)
50	QPSK	1	1	25.21	3500.01	3520.02	MPR (dB)
50	QPSK	1	137	25.21	3500.01	3520.02	Time-up limit (dBm)
50	QPSK	1	271	25.21	3500.01	3520.02	Time-up limit (dBm)
Channel							
	Frequency (MHz)			3471.03	3500.01	3520.02	Time-up limit (dBm)
40	QPSK	1	1	25.20	3500.01	3520.02	MPR (dB)
40	QPSK	1	137	25.20	3500.01	3520.02	Time-up limit (dBm)
40	QPSK	1	271	25.20	3500.01	3520.02	Time-up limit (dBm)
Channel							
	Frequency (MHz)			3471.03	3500.01	3520.02	Time-up limit (dBm)
30	QPSK	1	1	25.23	3500.01	3520.02	MPR (dB)
30	QPSK	1	137	25.23	3500.01	3520.02	Time-up limit (dBm)
30	QPSK	1	271	25.23	3500.01	3520.02	Time-up limit (dBm)
Channel							
	Frequency (MHz)			3482.51	3500.01	3520.02	Time-up limit (dBm)
25	QPSK	1	1	25.23	3500.01	3520.02	MPR (dB)
25	QPSK	1	137	25.23	3500.01	3520.02	Time-up limit (dBm)
25	QPSK	1	271	25.23	3500.01	3520.02	Time-up limit (dBm)
Channel							
	Frequency (MHz)			3480	3500.01	3520.02	Time-up limit (dBm)
20	QPSK	1	1	25.25	3500.01	3520.02	MPR (dB)
20	QPSK	1	137	25.25	3500.01	3520.02	Time-up limit (dBm)
20	QPSK	1	271	25.25	3500.01	3520.02	Time-up limit (dBm)
Channel							
	Frequency (MHz)			3467.5	3500.01	3520.02	Time-up limit (dBm)
15	QPSK	1	1	25.25	3500.01	3520.02	MPR (dB)
15	QPSK	1	137	25.25	3500.01	3520.02	Time-up limit (dBm)
15	QPSK	1	271	25.25	3500.01	3520.02	Time-up limit (dBm)
Channel							
	Frequency (MHz)			3465.01	3500.01	3520.02	Time-up limit (dBm)
10	QPSK	1	1	25.28	3500.01	3520.02	MPR (dB)
10	QPSK	1	137	25.28	3500.01	3520.02	Time-up limit (dBm)
10	QPSK	1	271	25.28	3500.01	3520.02	Time-up limit (dBm)

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	P2-PSK	1	1	22.11				
100	P2-PSK	1	137	22.23		23.7	23.7	0.0
100	P2-PSK	1	271	22.19				
100	P2-PSK	135	0	21.83		23.2	23.2	0.5
100	P2-PSK	135	135	22.25		23.7	23.7	0.0
100	P2-PSK	135	135	22.28		23.2	23.2	0.5
100	P2-PSK	270	0	22.46		23.2	23.2	0.5
100	QPSK	1	1	22.24				
100	QPSK	1	137	22.24		23.7	23.7	0.0
100	QPSK	1	271	22.28				
100	QPSK	135	0	21.22		22.7	22.7	1.0
100	QPSK	135	135	22.28		23.2	23.2	0.5
100	QPSK	135	135	22.28		23.7	23.7	0.0
100	QPSK	270	0	21.01		22.7	22.7	1.0
100	QPSK	270	0	21.25				
100	16QAM	1	1	20.86		21.2	21.2	1.5
100	16QAM	1	1	19.30		21.2	21.2	2.5
100	256QAM	1	1	17.74		19.2	19.2	4.0
Channel				64568	650000	650334	Turn-up limit	MPR
Frequency (MHz)				3750.00	3750.00	3750.01	(dBm)	(dB)
50	QPSK	1	1	22.30	22.33	22.34	23.7	0.0
Channel				645934	650000	650668	Turn-up limit	MPR
Frequency (MHz)				3760.00	3760.00	3760.02	(dBm)	(dB)
80	QPSK	1	1	22.33	22.34	22.34	23.7	0.0
Channel				645900	650000	651000	Turn-up limit	MPR
Frequency (MHz)				3735	3760	3765	(dBm)	(dB)
70	QPSK	1	1	22.30	22.41	22.35	23.7	0.0
Channel				645960	650000	651315	Turn-up limit	MPR
Frequency (MHz)				3760.00	3760.00	3760.01	(dBm)	(dB)
60	QPSK	1	1	22.40	22.40	22.34	23.7	0.0
Channel				645825	650000	651668	Turn-up limit	MPR
Frequency (MHz)				3765.00	3760.00	3775.02	(dBm)	(dB)
50	QPSK	1	1	22.37	22.32	22.33	23.7	0.0
Channel				645900	650000	650500	Turn-up limit	MPR
Frequency (MHz)				3760	3760	3760	(dBm)	(dB)
40	QPSK	1	1	22.30	22.33	22.36	23.7	0.0
Channel				647668	650000	652534	Turn-up limit	MPR
Frequency (MHz)				3765.02	3760.00	3766.01	(dBm)	(dB)
30	QPSK	1	1	22.35	22.34	22.31	23.7	0.0
Channel				647500	650000	652500	Turn-up limit	MPR
Frequency (MHz)				3712.5	3760	3767.5	(dBm)	(dB)
25	QPSK	1	1	22.33	22.36	22.33	23.7	0.0
Channel				647333	650000	652875	Turn-up limit	MPR
Frequency (MHz)				3761.00	3760	3760.02	(dBm)	(dB)
20	QPSK	1	1	22.32	22.36	22.32	23.7	0.0
Channel				647160	650000	653274	Turn-up limit	MPR
Frequency (MHz)				3767.50	3760	3762.51	(dBm)	(dB)
15	QPSK	1	1	22.37	22.37	22.35	23.7	0.0
Channel				647000	650000	653000	Turn-up limit	MPR
Frequency (MHz)				3760.00	3760	3760.00	(dBm)	(dB)
10	QPSK	1	1	22.32	22.30	22.37	23.7	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3000.01			
100	PQ2 BPSK	1	1	21.89				
100	PQ2 BPSK	1	137	22.07			23.7	0.0
100	PQ2 BPSK	1	271	22.03				
100	PQ2 BPSK	135	0	21.69			23.2	0.5
100	PQ2 BPSK	135	69	22.15			23.7	0.0
100	PQ2 BPSK	135	138	21.58			23.2	0.5
100	PQ2 BPSK	270	0	21.63				
100	QPSK	1	1	22.26				
100	QPSK	1	137	21.80			23.7	0.0
100	QPSK	1	271	22.03				
100	QPSK	135	0	20.96			22.7	1.0
100	QPSK	135	69	22.11			23.7	0.0
100	QPSK	135	138	20.83			22.7	1.0
100	QPSK	270	0	20.99			22.7	1.0
100	16QAM	1	1	20.79			22.7	1.0
100	64QAM	1	1	19.29			21.2	2.5
100	256QAM	1	1	17.61			19.2	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3400	3000.01	3000.02	(dBm)	(dB)
90	QPSK	1	1	22.11	22.19	22.13	23.7	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3480.02	3000.01	3510	(dBm)	(dB)
80	QPSK	1	1	22.10	22.20	22.18	23.7	0.0
Channel				632534	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3000.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	22.13	22.11	22.18	23.7	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3000.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	22.18	22.20	22.12	23.7	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3000.01	3525	(dBm)	(dB)
50	QPSK	1	1	22.18	22.18	22.18	23.7	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3000.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	22.11	22.11	22.17	23.7	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3000.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	22.11	22.12	22.14	23.7	0.0
Channel				630534	633334	635934	Tune-up limit	MPR
Frequency (MHz)				3462.51	3000.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	22.18	22.13	22.19	23.7	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3000.01	3540	(dBm)	(dB)
20	QPSK	1	1	22.10	22.18	22.22	23.7	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3000.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	22.15	22.13	22.19	23.7	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3000.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	22.10	22.21	22.15	23.7	0.0



n41_FCC Ant 5 Default&UL MIMO								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 5000000	Power Middle Ch. / Freq. 1595000	Power High Ch. / Freq. 5200000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	19.84	19.98	19.92	21.5	0.0
100	PV2 BPSK	1	137	19.81	19.91	19.88		
100	PV2 BPSK	1	271	19.85	20.03	19.87		
100	PV2 BPSK	135	0	19.38	19.51	19.42		
100	PV2 BPSK	135	69	19.80	19.96	19.85	21.0	0.5
100	PV2 BPSK	135	138	19.37	19.47	19.30		
100	PV2 BPSK	270	0	19.47	19.50	19.48		
100	QPSK	1	1	19.99	20.10	19.96		
100	QPSK	1	137	19.95	20.00	19.93	21.5	0.0
100	QPSK	1	271	19.94	20.20	19.91		
100	QPSK	135	0	19.84	19.01	19.90		
100	QPSK	135	69	19.96	19.96	19.80		
100	QPSK	135	138	19.94	19.04	19.93	20.5	1.0
100	QPSK	270	0	19.93	19.04	19.97		
100	16QAM	1	1	18.85	18.87	18.90		
100	64QAM	1	1	17.49	17.49	17.45		
100	256QAM	1	1	15.33	15.50	15.43	17.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.41	24.52	24.43	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.02	25.02	25.00	25.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.91	19.96	19.90	21.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.90	20.03	19.85	21.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.91	19.99	19.87	21.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.91	20.02	19.90	21.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.91	19.98	19.80	21.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.88	20.03	19.90	21.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.92	19.97	19.85	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.97	19.98	19.85	21.5	0.0

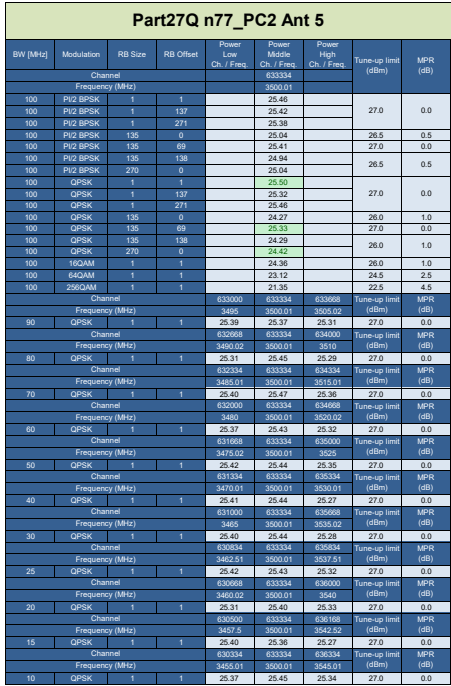
n41_FCC PC2 Ant 5								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 5000002	Power Middle Ch. / Freq. 185898	Power High Ch. / Freq. 5200000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	23.40	23.50	23.40	25.0	0.0
100	PV2 BPSK	1	137	23.39	23.42	23.38		
100	PV2 BPSK	1	271	23.35	23.48	23.32		
100	PV2 BPSK	135	0	22.81	22.94	22.87		
100	PV2 BPSK	135	69	23.35	23.43	23.32	24.5	0.5
100	PV2 BPSK	135	138	22.82	22.94	22.71		
100	PV2 BPSK	270	0	22.95	23.11	22.92		
100	QPSK	1	1	23.47	23.53	23.46		
100	QPSK	1	137	23.44	23.52	23.40	25.0	0.0
100	QPSK	1	271	23.47	23.51	23.38		
100	QPSK	135	0	22.38	22.46	22.33		
100	QPSK	135	69	22.44	22.50	22.24		
100	QPSK	270	0	22.45	22.54	22.42	24.0	1.0
100	16QAM	1	1	22.37	22.45	22.40		
100	64QAM	1	1	20.85	21.00	20.89		
100	256QAM	1	1	18.78	18.95	18.88	20.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.41	23.49	23.46	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	23.38	23.43	23.34	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.39	23.48	23.33	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	5000002	185898	5100000	25.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.5101	23.502	23.505	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	23.42	23.40	23.42	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	5000002	185898	5100000	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.06	23.09	23.059	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.38	23.38	23.40	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	504004	185898	530998	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.5101	23.502	23.505	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.42	23.40	23.31	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	503002	185898	534000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.06	23.09	23.059	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.35	23.40	23.42	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	502000	185898	534998	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.11	23.09	23.074	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	501204	185898	533998	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.06	23.09	23.059	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.38	23.46	23.31	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.03	23.02	23.059	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.03	23.02	23.059	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.35	23.47	23.35	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.37	23.41	23.34	25.0	0.0

n48 Ant 5								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PV2 BPSK	1	1	22.58	22.52	22.50	24.0	0.0
40	PV2 BPSK	1	53	22.43	22.53	22.47		
40	PV2 BPSK	1	104	22.34	22.45	22.36		
40	PV2 BPSK	50	0	22.10	22.18	22.12		
40	PV2 BPSK	50	26	22.50	22.59	22.47	24.0	0.0
40	PV2 BPSK	50	56	21.99	22.11	21.99	23.5	0.5
40	PV2 BPSK	100	0	21.98	22.09	22.01	23.0	1.0
40	QPSK	1	1	22.65	22.71	22.62	24.0	0.0
40	QPSK	1	53	22.50	22.54	22.45		
40	QPSK	1	104	22.33	22.47	22.38		
40	QPSK	50	0	21.45	21.57	21.50		
40	QPSK	50	26	22.47	22.60	22.36	23.5	0.0
40	QPSK	50	56	21.57	21.61	21.53	23.0	1.0
40	QPSK	100	0	21.47	21.55	21.43	23.0	1.0
40	16QAM	1	1	21.56	21.59	21.51	23.0	1.0
40	64QAM	1	1	19.86	19.94	19.82	21.5	2.5
40	256QAM	1	1	17.85	17.97	17.90	19.5	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.61	22.65	22.58	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.54	22.56	22.45	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.25	22.51	22.38	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.73	22.76	22.71	23.0	0.0

Par270 n77 Ant 5								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 660000	Power High Ch. / Freq. 660000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	1750	3440	3030		
100	PV2 BPSK	1	137	22.51	22.66	22.52		
100	PV2 BPSK	1	271	22.60	22.68	22.57	24.0	0.0
100	PV2 BPSK	135	0	22.63	22.76	22.71	23.5	0.5
100	PV2 BPSK	135	69	22.56	22.71	22.65	24.0	0.0
100	PV2 BPSK	135	138	22.63	22.69	22.60	23.5	0.5
100	PV2 BPSK	270	0	22.65	22.73	22.63	23.5	0.5
100	QPSK	1	1	22.64	22.77	22.72		
100	QPSK	1	137	22.52	22.66	22.55	24.0	0.0
100	QPSK	1	271	22.52	22.62	22.52		
100	QPSK	135	0	22.69	22.73	22.60	23.0	1.0
100	QPSK	135	69	22.70	22.76	22.63	24.0	0.0
100	QPSK	135	138	22.63	22.72	22.64	23.0	1.0
100	QPSK	270	0	22.58	22.70	22.65		
100	16QAM	1	1	22.30	22.44	22.40	23.0	1.0
100	64QAM	1	1	22.38	22.42	22.31	21.5	2.5
100	256QAM	1	1	21.15	21.24	21.11	19.5	4.5
Channel								
Frequency (MHz)								
50	QPSK	1	1	649668	650000	662334	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.06	21.29	21.09	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.01	21.30	21.02	24.0	0.0
80	QPSK	1	1	21.10	21.26	21.05	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	637000	650000	653000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.06	21.27	21.16	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3740.02	3840	3960.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	21.08	21.25	21.17	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3732.51	3840	3955.09	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.14	21.20	21.06	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	647000	650000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.00	21.26	21.00	24.0	0.0
40	QPSK	1	1	21.02	21.23	21.09	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	646668	650000	662334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.05	21.24	21.14	24.0	0.0
30	QPSK	1	1	647500	650000	664500	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.12	21.30	21.07	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	3712.05	3840	3972.00	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	21.08	21.21	21.13	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.01	21.24	21.02	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.05	21.29	21.16	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.05	21.20	21.05	24.0	0.0

Part270 n77_PC2 Ant 5								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 660000	Power High Ch. / Freq. 660000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	21.30	34.80	34.80		
100	PV2 BPSK	1	137	21.31	25.46	25.40	27.0	0.0
100	PV2 BPSK	1	271	21.21	25.27	25.13		
100	PV2 BPSK	135	0	21.97	25.08	24.93	26.5	0.5
100	PV2 BPSK	135	69	21.34	25.56	25.35	27.0	0.0
100	PV2 BPSK	135	138	21.82	24.88	24.79	26.5	0.5
100	PV2 BPSK	270	0	21.89	24.95	24.82		
100	QPSK	1	1	21.45	25.32	25.45		
100	QPSK	1	137	21.35	25.32	25.34	27.0	0.0
100	QPSK	1	271	21.18	25.31	25.17		
100	QPSK	135	0	21.58	24.62	24.55	26.0	1.0
100	QPSK	135	69	21.50	24.56	24.48	27.0	0.0
100	QPSK	135	138	21.30	24.44	24.32	26.0	1.0
100	QPSK	270	0	21.37	24.41	24.38		
100	16QAM	1	1	21.27	24.36	24.26	26.0	1.0
100	64QAM	1	1	21.37	24.02	24.02	24.5	2.5
100	256QAM	1	1	21.05	21.19	21.14	22.5	4.5
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.15	21.00	22.01	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.84	22.02	22.02	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.82	21.99	21.99	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.95	22.01	21.94	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.93	21.97	21.95	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.01	21.92	21.92	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.84	22.00	22.01	27.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.98	21.99	21.95	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.02	21.98	21.96	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.92	21.94	21.95	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.99	21.95	21.96	27.0	0.0

Part27Q n77 Ant 5								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	22.53	3500.01			
100	PV2 BPSK	1	137	22.68			24.0	0.0
100	PV2 BPSK	1	271	22.57				
100	PV2 BPSK	135	0	22.63			23.5	0.5
100	PV2 BPSK	135	69	22.70			24.0	0.0
100	PV2 BPSK	135	138	22.62			23.5	0.5
100	PV2 BPSK	270	0	22.64				
100	QPSK	1	1	22.71				
100	QPSK	1	137	22.63			24.0	0.0
100	QPSK	1	271	22.58				
100	QPSK	135	0	22.61			23.0	1.0
100	QPSK	135	69	22.68			24.0	0.0
100	QPSK	135	138	22.62			23.0	1.0
100	QPSK	270	0	22.61			23.0	1.0
100	16QAM	1	1	22.44			21.5	2.5
100	256QAM	1	1	21.29			19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.46	633000	633334	633600	Tune-up limit (dbm) MPR (db)
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.48	633000	633334	633600	Tune-up limit (dbm) MPR (db)
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.54	633000	633334	633600	Tune-up limit (dbm) MPR (db)
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.44	633000	633334	633600	Tune-up limit (dbm) MPR (db)
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.46	633000	633334	633600	Tune-up limit (dbm) MPR (db)
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.44	633000	633334	633600	Tune-up limit (dbm) MPR (db)
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.48	633000	633334	633600	Tune-up limit (dbm) MPR (db)
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.52	633000	633334	633600	Tune-up limit (dbm) MPR (db)
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.50	633000	633334	633600	Tune-up limit (dbm) MPR (db)
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.46	633000	633334	633600	Tune-up limit (dbm) MPR (db)
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.46	633000	633334	633600	Tune-up limit (dbm) MPR (db)



Part270 78 Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Cn / Freq	Power Middle Cn / Freq	Power High Cn / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
					3790				
100	P25 BPSK	1	1	22,48					
100	P25 BPSK	1	137	22,30	22,31	24,0	24,0	0,0	
100	P25 BPSK	1	271	22,48					
100	P25 BPSK	135	0	21,85	21,85	23,5	23,5	0,5	
100	P25 BPSK	135	69	22,40	22,40	24,0	24,0	0,0	
100	P25 BPSK	135	135	21,85	21,85	23,5	23,5	0,5	
100	P25 BPSK	270	0	22,53					
100	QPSK	1	1	22,88					
100	QPSK	1	137	22,41	22,41	24,0	24,0	0,0	
100	QPSK	1	271	22,88					
100	QPSK	135	0	21,43	21,43	23,0	23,0	1,0	
100	QPSK	135	69	22,43	22,43	24,0	24,0	0,0	
100	QPSK	135	135	21,44	21,44	23,0	23,0	1,0	
100	QPSK	270	0	21,52					
100	16QAM	1	1	21,36	21,36	23,0	23,0	1,0	
100	16QAM	1	1	19,93	19,93	21,5	21,5	2,5	
100	256QAM	1	1	18,27	18,27	19,5	19,5	4,5	
Channel									
				34568	65000	660334	Turn-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	22,48	22,48	22,33	24,0	0,0	
Channel									
				632647	633557	634030	Turn-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	22,38	22,47	23,0145	24,0	0,0	
Channel									
				632373	633557	634035	Turn-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	22,32	22,43	22,37	24,0	0,0	
Channel									
				631213	633557	634030	Turn-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	22,34	22,43	22,36	24,0	0,0	
Channel									
				631060	633557	634031	Turn-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	22,30	22,40	22,33	24,0	0,0	
Channel									
				631427	633557	634540	Turn-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	22,34	22,43	22,36	24,0	0,0	
Channel									
				631190	633557	634540	Turn-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22,32	22,40	22,33	24,0	0,0	
Channel									
				630903	633557	634623	Turn-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	22,34	22,39	22,40	24,0	0,0	
Channel									
				630717	633557	634630	Turn-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22,34	22,44	22,42	24,0	0,0	
Channel									
				630410	633557	634637	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22,29	22,41	22,36	24,0	0,0	
Channel									
				630240	633557	634637	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22,27	22,33	22,32	24,0	0,0	

Part27Q 78 Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
		Frequency (MHz)			63500.1	63535.4	63560.1		
100	P2	BPSSK	1	1	22.41	22.51	24.0	0.0	
100	P2	BPSSK	1	137	22.51	22.52	24.0	0.0	
100	P2	BPSSK	1	271	22.51	22.52	24.0	0.0	
100	P2	BPSSK	135	0	21.98	21.98	23.5	0.5	
100	P2	BPSSK	135	69	22.47	22.47	24.0	0.0	
100	P2	BPSSK	135	135	21.98	21.98	23.5	0.5	
100	P2	BPSSK	270	0	22.28	22.28	24.0	0.0	
100	QPSK	1	1	1	22.02	22.02	23.5	0.0	
100	QPSK	1	137	1	22.02	22.02	24.0	0.0	
100	QPSK	1	271	1	22.49	22.49	23.0	1.0	
100	QPSK	135	0	1	21.54	21.54	23.0	1.0	
100	QPSK	135	69	1	22.58	22.58	24.0	0.0	
100	QPSK	135	135	1	21.63	21.63	23.0	1.0	
100	QPSK	270	0	1	21.54	21.54	23.0	1.0	
100	16QAM	1	1	1	20.14	20.14	21.5	2.5	
100	16QAM	1	1	1	18.40	18.40	19.5	4.5	
Channel									
		Frequency (MHz)			63300.0	63334.4	63368.8	Turn-up time (dBm)	MPR (dB)
50	QPSK	1	1	22.50	22.50	22.54	24.0	0.0	
Channel									
		Frequency (MHz)			63264.7	63350.7	63436.0	Turn-up time (dBm)	MPR (dB)
50	QPSK	1	1	22.54	22.54	22.54	24.0	0.0	
Channel									
		Frequency (MHz)			63475.6	63503.35	63531.05	Turn-up time (dBm)	MPR (dB)
70	QPSK	1	1	22.47	22.47	22.53	24.0	0.0	
Channel									
		Frequency (MHz)			63462.05	63462.35	63462.65	Turn-up time (dBm)	MPR (dB)
60	QPSK	1	1	22.55	22.55	22.58	24.0	0.0	
Channel									
		Frequency (MHz)			63478.5	63503.35	63528.2	Turn-up time (dBm)	MPR (dB)
50	QPSK	1	1	22.51	22.55	22.59	24.0	0.0	
Channel									
		Frequency (MHz)			63142.7	63350.7	63559.0	Turn-up time (dBm)	MPR (dB)
40	QPSK	1	1	22.49	22.49	22.52	24.0	0.0	
Channel									
		Frequency (MHz)			63119.0	63350.7	63568.7	Turn-up time (dBm)	MPR (dB)
30	QPSK	1	1	22.52	22.55	22.54	24.0	0.0	
Channel									
		Frequency (MHz)			63069.3	63350.7	63529.3	Turn-up time (dBm)	MPR (dB)
20	QPSK	1	1	22.47	22.49	22.52	24.0	0.0	
Channel									
		Frequency (MHz)			63071.3	63503.35	63818.0	Turn-up time (dBm)	MPR (dB)
10	QPSK	1	1	22.46	22.63	22.58	24.0	0.0	
Channel									
		Frequency (MHz)			63069.3	63350.7	63529.3	Turn-up time (dBm)	MPR (dB)
15	QPSK	1	1	22.51	22.64	22.51	24.0	0.0	
Channel									
		Frequency (MHz)			6357.2	63503.35	63528.2	Turn-up time (dBm)	MPR (dB)
10	QPSK	1	1	22.53	22.61	22.56	24.0	0.0	

n30 Ant 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000			24.0	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1		23.54		24.0	0.0
10	PI/2 BPSK	1	26		23.46			
10	PI/2 BPSK	1	50		23.60			
10	PI/2 BPSK	25	0		23.10		23.5	0.5
10	PI/2 BPSK	25	14		23.67		24.0	0.0
10	PI/2 BPSK	25	27		23.18		23.5	0.5
10	PI/2 BPSK	50	0		23.12			
10	QPSK	1	1		23.73		24.0	0.0
10	QPSK	1	26		23.43			
10	QPSK	1	50		23.64			
10	QPSK	25	0		22.68		23.0	1.0
10	QPSK	25	14		23.83		24.0	0.0
10	QPSK	25	27		22.52		23.0	1.0
10	QPSK	50	0		22.56		23.0	1.0
10	16QAM	1	1		22.29			
10	64QAM	1	1		21.02		21.5	2.5
10	256QAM	1	1		19.67		19.5	4.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	23.67	23.68	23.63	24.0	0.0

n41_FCC Ant6 Default&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	538000	24.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.89	23.02	22.88	24.0	0.0	
100	PI/2 BPSK	1	137	22.71	22.81	22.70			
100	PI/2 BPSK	1	271	22.72	22.88	22.78			
100	PI/2 BPSK	135	0	22.26	22.30	22.23			
100	PI/2 BPSK	135	69	22.79	22.89	22.80	24.0	0.0	
100	PI/2 BPSK	135	138	22.43	22.49	22.38	23.5	0.5	
100	PI/2 BPSK	270	0	22.33	22.41	22.37			
100	QPSK	1	1	22.93	23.03	22.95	24.0	0.0	
100	QPSK	1	137	22.69	22.85	22.75			
100	QPSK	1	271	22.75	22.91	22.79			
100	QPSK	135	0	22.01	22.06	21.99			
100	QPSK	135	69	22.76	22.86	22.71	24.0	0.0	
100	QPSK	135	138	22.01	22.06	21.99	23.0	1.0	
100	QPSK	270	0	21.83	22.01	21.87	23.0	1.0	
100	16QAM	1	1	21.99	22.05	22.02			
100	64QAM	1	1	20.44	20.52	20.38	21.5	2.5	
100	256QAM	1	1	18.41	18.55	18.50	19.5	4.5	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	22.80	22.89	22.81	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	22.81	22.95	22.91	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	22.83	22.98	22.84	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	22.86	22.98	22.85	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	22.87	22.95	22.89	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	22.89	22.94	22.90	24.0	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	22.89	22.88	22.81	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	22.78	22.93	22.82	24.0	0.0	
Channel				500700	518598	536996	Tune-up limit	MPR	
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	22.84	22.96	22.83	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	22.79	22.90	22.80	24.0	0.0	

n41_FCC PC2 Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	538000	24.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	26.41	26.47	26.34	27.0	0.0	
100	PI/2 BPSK	1	137	26.09	26.28	26.18			
100	PI/2 BPSK	1	271	26.18	26.34	26.26			
100	PI/2 BPSK	135	0	25.98	25.82	25.70			
100	PI/2 BPSK	135	69	26.38	26.40	26.20	27.0	0.0	
100	PI/2 BPSK	135	138	25.90	26.00	25.79	26.5	0.5	
100	PI/2 BPSK	270	0	25.78	25.91	25.81			
100	QPSK	1	1	26.33	26.51	26.47	27.0	0.0	
100	QPSK	1	137	26.21	26.31	26.21			
100	QPSK	1	271	26.22	26.38	26.27			
100	QPSK	135	0	25.45	25.52	25.48			
100	QPSK	135	69	26.22	26.27	26.13	27.0	0.0	
100	QPSK	135	138	25.49	25.48	25.46	26.0	1.0	
100	QPSK	270	0	25.35	25.49	25.29	26.0	1.0	
100	16QAM	1	1	25.47	25.53	25.48			
100	64QAM	1	1	23.85	24.00	23.86	24.5	2.5	
100	256QAM	1	1	21.91	21.98	21.92	22.5	4.5	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	26.24	26.37	26.43	27.0	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	26.19	26.44	26.38	27.0	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	26.26	26.41	26.42	27.0	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	26.20	26.44	26.43	27.0	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	26.23	26.37	26.42	27.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	26.23	26.40	26.42	27.0	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	26.19	26.47	26.43	27.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	26.29	26.35	26.42	27.0	0.0	
Channel				500700	518598	536996	Tune-up limit	MPR	
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	26.25	26.39	26.40	27.0	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	26.22	26.35	26.31	27.0	0.0	

n41_FCC Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	21.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.78	20.82	20.83	21.5	0.0
100	PI/2 BPSK	1	137	20.66	20.87	20.78		
100	PI/2 BPSK	1	271	20.73	20.87	20.78	21.0	0.5
100	PI/2 BPSK	135	0	20.24	20.34	20.28		
100	PI/2 BPSK	135	69	20.72	20.75	20.77	21.0	0.5
100	PI/2 BPSK	135	138	20.29	20.37	20.17		
100	PI/2 BPSK	270	0	20.30	20.50	20.35	21.5	0.0
100	QPSK	1	1	20.80	20.99	20.75		
100	QPSK	1	137	20.87	20.92	20.79	21.5	0.0
100	QPSK	1	271	20.74	20.84	20.82		
100	QPSK	135	0	19.73	19.83	19.74	20.5	1.0
100	QPSK	135	69	20.70	20.83	20.63		
100	QPSK	135	138	19.73	19.88	19.77	20.5	1.0
100	QPSK	270	0	19.88	19.95	19.79		
100	16QAM	1	1	19.73	19.89	19.81	20.5	1.0
100	64QAM	1	1	18.24	18.32	18.26		
100	256QAM	1	1	16.30	16.34	16.24	17.0	4.5
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	20.65	20.94	20.63	21.5	0.0
Channel				507204	518598	529296	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	20.69	20.95	20.60	21.5	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	20.74	20.93	20.69	21.5	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	20.71	20.92	20.70	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	20.74	20.94	20.68	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	20.72	20.90	20.71	21.5	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	20.68	20.89	20.66	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	20.69	20.91	20.60	21.5	0.0
Channel				500700	518598	536996	Tune-up limit	MPR
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	20.76	20.90	20.60	21.5	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	20.67	20.91	20.70	21.5	0.0

n41_FCC PC2 Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	25.8	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.65	24.71	24.59	25.8	0.0
100	PI/2 BPSK	1	137	24.54	24.68	24.53		
100	PI/2 BPSK	1	271	24.52	24.62	24.52	25.3	0.5
100	PI/2 BPSK	135	0	23.96	24.06	23.95		
100	PI/2 BPSK	135	69	24.66	24.72	24.63	25.8	0.0
100	PI/2 BPSK	135	138	23.95	23.99	23.88		
100	PI/2 BPSK	270	0	23.97	24.03	23.93	25.8	0.0
100	QPSK	1	1	24.64	24.79	24.72		
100	QPSK	1	137	24.67	24.73	24.59	25.8	0.0
100	QPSK	1	271	24.54	24.66	24.52		
100	QPSK	135	0	23.50	23.58	23.52	24.8	1.0
100	QPSK	135	69	24.70	24.75	24.63		
100	QPSK	135	138	23.38	23.53	23.48	24.8	1.0
100	QPSK	270	0	23.33	23.47	23.37		
100	16QAM	1	1	23.41	23.48	23.37	24.8	1.0
100	64QAM	1	1	21.95	22.00	21.91		
100	256QAM	1	1	20.50	20.58	20.43	21.3	4.5
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	24.53	24.74	24.68	25.5	0.0
Channel				507204	518598	529296	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	24.59	24.72	24.57	25.8	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	24.53	24.69	24.58	25.8	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	24.55	24.71	24.61	25.8	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	24.54	24.68	24.61	25.8	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	24.52	24.73	24.66	25.8	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	24.53	24.70	24.57	25.5	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	24.56	24.64	24.64	25.8	0.0
Channel				500700	518598	536996	Tune-up limit	MPR
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	24.55	24.66	24.59	25.8	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	24.53	24.67	24.65	25.8	0.0

n7 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				505000	507000	509000	24.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	22.93	22.93	22.85	24.0	0.0	
50	PI/2 BPSK	1	135	22.89	22.87	22.70			
50	PI/2 BPSK	1	268	22.77	22.94	22.86			
50	PI/2 BPSK	135	0	22.13	22.28	22.24	23.5	0.5	
50	PI/2 BPSK	135	68	22.82	22.75	22.67	24.0	0.0	
50	PI/2 BPSK	135	135	22.03	22.08	21.99	23.5	0.5	
50	PI/2 BPSK	270	0	22.02	22.15	22.02			
50	QPSK	1	1	22.91	23.04	22.91			
50	QPSK	1	135	22.77	22.92	22.89	24.0	0.0	
50	QPSK	1	268	22.84	22.94	22.92	23.0	1.0	
50	QPSK	135	0	21.71	21.88	21.77			
50	QPSK	135	68	22.80	22.88	22.70			
50	QPSK	135	135	21.75	21.82	21.81	23.0	1.0	
50	QPSK	270	0	21.79	21.87	21.76	23.0	1.0	
50	16QAM	1	1	21.87	21.78	21.67			
50	64QAM	1	1	19.87	20.08	19.89	21.5	2.5	
50	256QAM	1	1	18.48	18.67	18.63	19.5	4.5	
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	QPSK	1	1	22.81	22.93	22.69	24.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	22.92	22.98	22.85	24.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	22.82	23.02	23.72	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	22.92	22.98	22.72	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	22.87	22.95	22.83	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	22.83	22.96	22.79	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	22.70	22.93	22.74	24.0	0.0	

n41_FCC 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)				506002	518998	526000			
				2546.01	2562.99	2640			
100	Pl2 BPSK	1	1	20.87	20.98	21.01			
100	Pl2 BPSK	1	137	20.76	20.95	20.91	22.6	0.0	
100	Pl2 BPSK	1	271	20.92	20.97	20.93			
100	Pl2 BPSK	136	0	20.40	20.47	20.37	22.1	0.5	
100	Pl2 BPSK	136	66	20.80	20.94	20.82	22.6	0.0	
100	Pl2 BPSK	136	136	20.42	20.45	20.35			
100	Pl2 BPSK	270	0	20.39	20.51	20.47	22.1	0.5	
100	QPSK	1	1	21.01	21.15	20.97			
100	QPSK	1	137	21.03	21.06	20.93	22.6	0.0	
100	QPSK	1	271	20.94	20.97	20.93			
100	QPSK	136	0	19.90	20.06	19.89	21.6	1.0	
100	QPSK	136	66	20.34	20.95	20.78	22.6	0.5	
100	QPSK	136	136	19.89	20.06	20.00			
100	QPSK	270	0	19.89	20.03	20.00			
100	16QAM	1	1	19.88	19.99	19.80	21.6	1.0	
100	64QAM	1	1	18.33	18.46	18.51	20.1	2.5	
100	256QAM	1	1	16.34	16.47	16.46	18.1	4.5	
Channel									
Frequency (MHz)				506200	518998	526996	Tune-up limit (dBm)	MPR	
				2541	2562.99	2641.00	(dB)		
90	QPSK	1	1	20.91	20.99	20.92	22.6	0.0	
Channel									
Frequency (MHz)				507204	518998	526998	Tune-up limit (dBm)	MPR	
				2536.02	2562.99	2649.99	(dBm)		
80	QPSK	1	1	20.96	21.11	20.90	22.6	0.0	
Channel									
Frequency (MHz)				507202	518998	531000	Tune-up limit (dBm)	MPR	
				2531.01	2562.99	2655	(dBm)		
70	QPSK	1	1	20.90	21.03	20.90	22.6	0.0	
Channel									
Frequency (MHz)				508200	518998	531996	Tune-up limit (dBm)	MPR	
				2526	2562.99	2659.98	(dBm)		
60	QPSK	1	1	20.88	21.01	20.92	22.6	0.0	
Channel									
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR	
				2514.02	2562.99	2649.99	(dBm)		
50	QPSK	1	1	20.92	21.00	20.91	22.6	0.0	
Channel									
Frequency (MHz)				503202	518998	534000	Tune-up limit (dBm)	MPR	
				2516.01	2562.99	2670	(dB)		
40	QPSK	1	1	20.91	21.02	20.88	22.6	0.0	
Channel									
Frequency (MHz)				502200	518998	534996	Tune-up limit (dBm)	MPR	
				2511	2562.99	2674.98	(dBm)		
30	QPSK	1	1	20.89	21.06	20.88	22.6	0.0	
Channel									
Frequency (MHz)				501204	518998	535996	Tune-up limit (dBm)	MPR	
				2508.02	2562.99	2679.99	(dBm)		
20	QPSK	1	1	20.89	21.05	20.85	22.6	0.0	
Channel									
Frequency (MHz)				500700	518998	536996	Tune-up limit (dBm)	MPR	
				2493.5	2562.99	2682.48	(dBm)		
15	QPSK	1	1	20.95	21.04	20.87	22.6	0.0	
Channel									
Frequency (MHz)				500202	518998	537000	Tune-up limit (dBm)	MPR	
				2491.01	2562.99	2685	(dBm)		
10	QPSK	1	1	20.96	21.09	20.85	22.6	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				509002	518998	526000			
				2546.01	2562.99	2640			
100	Pl2 BPSK	1	1	24.26	24.32	24.18			
100	Pl2 BPSK	1	137	24.48	24.56	24.45	25.8	0.0	
100	Pl2 BPSK	1	271	24.40	24.48	24.39			
100	Pl2 BPSK	136	0	23.74	23.82	23.70	25.3	0.5	
100	Pl2 BPSK	136	66	24.43	24.49	24.37	25.8	0.0	
100	Pl2 BPSK	136	136	23.77	23.85	23.69			
100	Pl2 BPSK	270	0	23.87	23.96	23.89	25.3	0.5	
100	QPSK	1	1	24.53	24.60	24.50			
100	QPSK	1	137	24.44	24.52	24.38	25.8	0.0	
100	QPSK	1	271	24.45	24.58	24.54			
100	QPSK	136	0	23.26	23.31	23.17	24.8	1.0	
100	QPSK	136	66	24.41	24.53	24.41	25.8	0.5	
100	QPSK	136	136	23.34	23.38	23.33			
100	QPSK	270	0	23.22	23.29	23.22			
100	16QAM	1	1	23.19	23.26	23.10	24.8	1.0	
100	64QAM	1	1	21.70	21.76	21.68	23.3	2.5	
100	256QAM	1	1	20.14	20.23	20.08	21.3	4.5	
Channel									
Frequency (MHz)				508200	518998	526996	Tune-up limit (dBm)	MPR (dB)	
				2541	2562.99	2641.00	(dBm)		
80	QPSK	1	1	24.38	24.51	24.43	25.8	0.0	
Channel									
Frequency (MHz)				507204	518998	526998	Tune-up limit (dBm)	MPR (dB)	
				2536.02	2562.99	2649.98	(dBm)		
80	QPSK	1	1	24.42	24.48	24.40	25.8	0.0	
Channel									
Frequency (MHz)				507202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
				2531.01	2562.99	2655	(dBm)		
70	QPSK	1	1	24.39	24.55	24.39	25.8	0.0	
Channel									
Frequency (MHz)				508200	518998	531996	Tune-up limit (dBm)	MPR (dB)	
				2526	2562.99	2659.98	(dBm)		
60	QPSK	1	1	24.43	24.49	24.45	25.8	0.0	
Channel									
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
				2514.02	2562.99	2649.99	(dBm)		
50	QPSK	1	1	24.41	24.54	24.40	25.8	0.0	
Channel									
Frequency (MHz)				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
				2516.01	2562.99	2670	(dBm)		
40	QPSK	1	1	24.49	24.53	24.39	25.8	0.0	
Channel									
Frequency (MHz)				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)	
				2511	2562.99	2674.98	(dBm)		
30	QPSK	1	1	24.40	24.44	24.43	25.8	0.0	
Channel									
Frequency (MHz)				501204	518998	535996	Tune-up limit (dBm)	MPR (dB)	
				2508.02	2562.99	2679.99	(dBm)		
20	QPSK	1	1	24.38	24.49	24.43	25.8	0.0	
Channel									
Frequency (MHz)				500700	518998	536996	Tune-up limit (dBm)	MPR (dB)	
				2493.5	2562.99	2682.48	(dBm)		
15	QPSK	1	1	24.48	24.46	24.42	25.8	0.0	
Channel									
Frequency (MHz)				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)	
				2493.5	2562.99	2682.48	(dBm)		
10	QPSK	1	1	24.38	24.44	24.42	25.8	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	20.56	20.57	20.62			
100	PQ2 BPSK	1	137	20.47	20.68	20.46	21.7	0.0	
100	PQ2 BPSK	1	271	20.68	20.72	20.56			
100	PQ2 BPSK	135	0	20.20	20.26	20.16	21.2	0.5	
100	PQ2 BPSK	135	69	20.73	20.60	20.47	21.7	0.0	
100	PQ2 BPSK	135	138	20.08	20.08	20.02	21.2	0.5	
100	PQ2 BPSK	270	0	20.17	20.35	20.46			
100	QPSK	1	1	20.75	20.76	20.66			
100	QPSK	1	137	20.34	20.74	20.34	21.7	0.0	
100	QPSK	1	271	20.54	20.51	20.59			
100	QPSK	135	0	19.43	19.54	19.47	20.7	1.0	
100	QPSK	135	69	20.76	20.77	20.62	21.7	0.0	
100	QPSK	135	138	19.27	19.45	19.33	20.7	1.0	
100	QPSK	270	0	19.56	19.63	19.50			
100	16QAM	1	1	19.31	19.50	19.41	20.7	1.0	
100	64QAM	1	1	17.70	17.76	17.63	19.2	2.5	
100	256QAM	1	1	15.98	16.24	15.98	17.2	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	3742.02	3850.00	3930.01	Time-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.10	25.20	25.05	Time-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.06	25.27	25.16	Time-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.08	25.25	25.17	Time-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.14	25.20	25.09	Time-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.02	25.23	25.09	Time-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.05	25.24	25.14	Time-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.08	25.21	25.13	Time-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.04	25.24	25.08	Time-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.05	25.20	25.15	Time-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.11	25.20	25.05	Time-up limit (dBm)		MPR (dB)

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	22.31	22.39	22.27			
100	PQ2 BPSK	1	137	22.38	22.43	22.33	24.1	0.0	
100	PQ2 BPSK	1	271	22.31	22.46	22.36			
100	PQ2 BPSK	135	0	21.74	21.80	21.82	23.6	0.5	
100	PQ2 BPSK	135	69	22.39	22.43	22.32	24.1	0.0	
100	PQ2 BPSK	135	138	21.76	21.82	21.81	23.6	0.5	
100	PQ2 BPSK	270	0	21.67	21.81	21.76			
100	QPSK	1	1	22.42	22.50	22.34			
100	QPSK	1	137	22.28	22.32	22.17	24.1	0.0	
100	QPSK	1	271	22.15	22.26	22.11			
100	QPSK	135	0	21.28	21.36	21.22	23.1	1.0	
100	QPSK	135	69	22.32	22.46	22.39	24.1	0.0	
100	QPSK	135	138	21.27	21.32	21.23	23.1	1.0	
100	QPSK	270	0	21.16	21.26	21.20			
100	16QAM	1	1	20.86	20.94	20.79	23.1	1.0	
100	64QAM	1	1	19.19	19.34	19.29	21.6	2.5	
100	256QAM	1	1	17.80	17.94	17.68	19.6	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.95	21.95	22.01	24.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.90	22.03	22.02	24.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.92	21.99	21.99	24.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.95	22.01	21.94	24.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.93	21.97	21.95	24.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.01	21.92	21.92	24.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.94	22.00	22.01	24.1	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.98	21.99	21.95	24.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.02	21.98	21.96	24.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.92	21.94	21.99	24.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.99	21.95	21.96	24.1	0.0	

Part27Q n77 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)									
100	PQ2 BPSK	1	1		20.22				
100	PQ2 BPSK	1	137		20.38		21.7	0.0	
100	PQ2 BPSK	1	271		20.43				
100	PQ2 BPSK	135	0		19.99		21.2	0.5	
100	PQ2 BPSK	135	69		20.25		21.7	0.0	
100	PQ2 BPSK	135	138		19.76		21.2	0.5	
100	PQ2 BPSK	270	0		19.99				
100	QPSK	1	1		20.01				
100	QPSK	1	137			20.44	21.7	0.0	
100	QPSK	1	271		20.20				
100	QPSK	135	0		19.21		20.7	1.0	
100	QPSK	135	69		20.04		21.7	0.0	
100	QPSK	135	138		19.19		20.7	1.0	
100	QPSK	270	0		19.28				
100	16QAM	1	1		19.13		20.7	1.0	
100	64QAM	1	1		17.40		19.2	2.5	
100	256QAM	1	1		15.93		17.2	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	630000	630334	630668	Tune-up limit (dBm)	MPR (dB)	
				3500	3500.01	3500.02	21.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	630668	630998	631334	Tune-up limit (dBm)	MPR (dB)	
				3500.02	3500.01	3510	21.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	631334	631668	632000	Tune-up limit (dBm)	MPR (dB)	
				3510.01	3510.03	3510.01	21.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	632334	632668	Tune-up limit (dBm)	MPR (dB)	
				3510.02	3510.01	3500.02	21.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	632668	633000	633334	Tune-up limit (dBm)	MPR (dB)	
				3500.01	3500.02	3500.01	21.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	633334	633668	634000	Tune-up limit (dBm)	MPR (dB)	
				3500.01	3500.01	3500.01	21.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	634000	634334	634668	Tune-up limit (dBm)	MPR (dB)	
				3500.01	3500.01	3500.01	21.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	634668	635000	635334	Tune-up limit (dBm)	MPR (dB)	
				3500.01	3500.01	3500.01	21.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	635000	635334	635668	Tune-up limit (dBm)	MPR (dB)	
				3500.01	3500.01	3500.01	21.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	635668	636000	636334	Tune-up limit (dBm)	MPR (dB)	
				3500.01	3500.01	3500.01	21.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	636334	636668	637000	Tune-up limit (dBm)	MPR (dB)	
				3500.01	3500.01	3500.01	21.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PQ2 BPSK	1	1	22.19	22.38	22.38	24.1	0.0
100	PQ2 BPSK	1	137	22.38	22.38	22.38		
100	PQ2 BPSK	1	271	22.35	22.35	22.35		
100	PQ2 BPSK	135	0	21.97	21.97	21.97		
100	PQ2 BPSK	135	69	22.27	22.27	22.27	23.6	0.5
100	PQ2 BPSK	135	138	21.74	21.74	21.74		
100	PQ2 BPSK	270	0	21.89	21.89	21.89		
100	QPSK	1	1	22.43	22.43	22.43		
100	QPSK	1	137	22.15	22.15	22.15	24.1	0.0
100	QPSK	1	271	22.40	22.40	22.40		
100	QPSK	135	0	21.25	21.25	21.25		
100	QPSK	135	69	21.14	21.14	21.14		
100	QPSK	135	138	21.23	21.23	21.23	23.1	1.0
100	QPSK	270	0	21.04	21.04	21.04		
100	16QAM	1	1	19.59	19.59	19.59		
100	16QAM	1	1	19.59	19.59	19.59		
100	256QAM	1	1	17.75	17.75	17.75	19.8	4.5
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.27	22.35	22.27	24.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.35	22.31	22.30	24.1	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.28	22.30	22.30	24.1	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.34	22.28	22.27	24.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.35	22.30	22.30	24.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.37	22.37	22.39	24.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.31	22.32	22.30	24.1	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.31	22.34	22.34	24.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.35	22.36	22.36	24.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.37	22.34	22.33	24.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.30	22.35	22.37	24.1	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PQ2 BPSK	1	1	19.89	20.05	20.05	21.7	0.0
100	PQ2 BPSK	1	137	19.82	19.82	19.82		
100	PQ2 BPSK	1	271	19.92	19.92	19.92		
100	PQ2 BPSK	135	0	20.13	20.13	20.13		
100	PQ2 BPSK	135	69	19.36	19.36	19.36	21.2	0.5
100	PQ2 BPSK	135	138	19.55	19.55	19.55		
100	QPSK	1	1	20.17	20.17	20.17		
100	QPSK	1	137	19.85	19.85	19.85		
100	QPSK	1	271	19.95	19.95	19.95	21.7	0.0
100	QPSK	135	0	19.84	19.84	19.84		
100	QPSK	135	69	19.96	19.96	19.96		
100	QPSK	135	138	19.74	19.74	19.74		
100	QPSK	270	0	19.87	19.87	19.87	20.7	1.0
100	16QAM	1	1	18.59	18.59	18.59		
100	16QAM	1	1	17.20	17.20	17.20		
100	256QAM	1	1	15.47	15.47	15.47	17.2	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.10	20.11	20.10	21.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.15	20.03	20.06	21.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.08	20.09	20.08	21.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.09	20.08	20.12	21.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.08	20.09	20.05	21.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.03	20.03	20.13	21.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.09	20.12	20.06	21.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.01	20.01	20.07	21.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.06	20.11	20.08	21.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.05	20.01	20.02	21.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.03	20.09	20.09	21.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PQ2 BPSK	1	1	19.93	19.78	19.78	21.7	0.0
100	PQ2 BPSK	1	137	19.78	19.73	19.73		
100	PQ2 BPSK	135	0	19.29	19.12	19.12		
100	PQ2 BPSK	135	69	18.87	19.37	19.37		
100	PQ2 BPSK	135	138	19.12	19.29	19.29	21.2	0.5
100	PQ2 BPSK	270	0	19.37	19.37	19.37		
100	QPSK	1	1	20.05	20.05	20.05		
100	QPSK	1	137	19.60	19.60	19.60		
100	QPSK	1	271	19.73	19.73	19.73	21.7	0.0
100	QPSK	135	0	18.77	18.77	18.77		
100	QPSK	135	69	19.86	19.86	19.86		
100	QPSK	135	138	18.49	18.49	18.49		
100	QPSK	270	0	18.82	18.82	18.82	20.7	1.0
100	16QAM	1	1	18.44	18.44	18.44		
100	64QAM	1	1	16.85	16.85	16.85		
100	256QAM	1	1	15.21	15.21	15.21		
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.88	19.91	19.85	21.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.93	19.86	19.92	21.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.85	19.91	19.84	21.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.90	19.90	19.86	21.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.91	19.91	19.84	21.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.87	19.89	19.93	21.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.94	19.87	19.88	21.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.87	19.88	19.88	21.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.91	19.93	19.89	21.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.93	19.95	19.91	21.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.86	19.94	19.87	21.7	0.0



Reduced Power Mode for 5G NR

n2 Ant1 Receiver on SA									
BW (MHz)	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	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	Pi2 BPSK	1	1	17.29	17.40	17.36			
40	Pi2 BPSK	1	108	17.40	17.48	17.37	18.0	0.0	
40	Pi2 BPSK	1	214	17.30	17.37	17.22			
40	Pi2 BPSK	108	0	17.46	17.50	17.39	18.0	0.0	
40	Pi2 BPSK	108	54	17.43	17.53	17.39	18.0	0.0	
40	Pi2 BPSK	108	108	17.31	17.42	17.36	18.0	0.0	
40	Pi2 BPSK	216	0	17.46	17.50	17.37			
40	QPSK	1	1	17.42	17.57	17.49			
40	QPSK	1	108	17.32	17.46	17.33	18.0	0.0	
40	QPSK	1	214	17.36	17.40	17.35			
40	QPSK	108	0	17.28	17.43	17.32	18.0	0.0	
40	QPSK	108	54	17.36	17.45	17.33	18.0	0.0	
40	QPSK	108	108	17.33	17.39	17.34	18.0	0.0	
40	QPSK	216	0	17.32	17.41	17.36			
40	16QAM	1	1	17.11	17.17	17.07	18.0	0.0	
40	64QAM	1	1	17.15	17.26	17.25	18.0	0.0	
40	256QAM	1	1	17.20	17.24	17.10	18.0	0.0	
Channel				378000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1890	1880	1895			
30	QPSK	1	1	17.35	17.43	17.35	18.0	0.0	
Channel				372000	376000	376500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	17.31	17.39	17.23	18.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1862.5	1905			
20	QPSK	1	1	17.32	17.28	17.22	18.0	0.0	
Channel				371000	373000	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	17.29	17.35	17.22	18.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1860	1895			
10	QPSK	1	1	17.25	17.27	17.17	18.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1860	1907.5			
5	QPSK	1	1	17.22	17.42	17.21	18.0	0.0	

n5 Ant1 Receiver on SA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	838			
20	Pi2 BPSK	1	1	20.98	21.15	21.02			
20	Pi2 BPSK	1	53	21.15	21.13	21.08	22.5	0.0	
20	Pi2 BPSK	1	104	20.99	21.11	20.88			
20	Pi2 BPSK	50	0	21.17	21.20	21.11	22.5	0.0	
20	Pi2 BPSK	50	26	21.07	21.20	21.10	22.5	0.0	
20	Pi2 BPSK	50	56	21.05	21.09	21.12	22.5	0.0	
20	Pi2 BPSK	100	0	21.18	21.18	21.12			
20	QPSK	1	1	21.08	21.28	21.20			
20	QPSK	1	53	21.04	21.20	20.99	22.5	0.0	
20	QPSK	1	104	21.12	21.06	21.06			
20	QPSK	50	0	21.03	21.19	20.99	22.5	0.0	
20	QPSK	50	26	21.01	21.16	21.06	22.5	0.0	
20	QPSK	50	56	21.08	21.06	21.08	22.5	0.0	
20	QPSK	100	0	21.04	21.16	21.07			
20	16QAM	1	1	20.79	20.81	20.79	22.5	0.0	
20	64QAM	1	1	19.84	19.93	19.71	21.5	1.0	
20	256QAM	1	1	18.02	18.07	18.00	19.5	3.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	20.97	21.13	21.15	22.5	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	21.00	21.23	21.10	22.5	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	20.98	21.18	21.09	22.5	0.0	

n14 Ant1 Receiver on SA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					158600				
Frequency (MHz)					793				
10	Pi2 BPSK	1	1		22.46				
10	Pi2 BPSK	1	26		22.42		23.0	0.0	
10	Pi2 BPSK	1	50		22.32				
10	Pi2 BPSK	25	0		22.41		22.5	0.5	
10	Pi2 BPSK	25	14		22.32		23.0	0.0	
10	Pi2 BPSK	25	27		22.29		22.5	0.5	
10	Pi2 BPSK	50	0		22.42				
10	QPSK	1	1		22.49				
10	QPSK	1	26		22.38		23.0	0.0	
10	QPSK	1	50		22.26				
10	QPSK	25	0		22.33		22.0	1.0	
10	QPSK	25	14		22.48		23.0	0.0	
10	QPSK	25	27		22.30		22.0	1.0	
10	QPSK	50	0		22.35				
10	16QAM	1	1		22.14		23.0	0.0	
10	64QAM	1	1		20.68		20.5	2.5	
10	256QAM	1	1		18.32		18.5	4.5	
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5			
5	QPSK	1	1		22.12	22.41	22.28	23.0	

n25 Ant1 Receiver on SA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Modu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PQ2 BPSK	1	1	17.22	17.35	17.27			
40	PQ2 BPSK	1	108	17.26	17.34	17.30	18.0	0.0	
40	PQ2 BPSK	1	214	17.20	17.32	17.13			
40	PQ2 BPSK	108	0	17.34	17.34	17.26	18.0	0.0	
40	PQ2 BPSK	108	54	17.38	17.44	17.29	18.0	0.0	
40	PQ2 BPSK	108	108	17.24	17.29	17.25	18.0	0.0	
40	PQ2 BPSK	216	0	17.38	17.38	17.27			
40	QPSK	1	1	17.31	17.40	17.33			
40	QPSK	1	108	17.24	17.35	17.21	18.0	0.0	
40	QPSK	1	214	17.23	17.34	17.22			
40	QPSK	108	0	17.16	17.30	17.18	18.0	0.0	
40	QPSK	108	54	17.25	17.39	17.24	18.0	0.0	
40	QPSK	108	108	17.27	17.30	17.22	18.0	0.0	
40	QPSK	216	0	17.17	17.31	17.24			
40	16QAM	1	1	17.05	17.08	16.97	18.0	0.0	
40	64QAM	1	1	17.03	17.15	17.11	18.0	0.0	
40	256QAM	1	1	17.10	17.17	16.99	18.0	0.0	
Channel				375000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.20	17.41	17.26	18.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	17.23	17.34	17.24	18.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	17.16	17.44	17.18	18.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	17.26	17.43	17.28	18.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910			
10	QPSK	1	1	17.25	17.39	17.20	18.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	17.27	17.45	17.15	18.0	0.0	

n26 Ant1 Receiver on SA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Modu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PQ2 BPSK	1	1	21.14	21.32	21.18			
20	PQ2 BPSK	1	53	21.34	21.35	21.27	22.5	0.0	
20	PQ2 BPSK	1	104	21.16	21.34	21.13			
20	PQ2 BPSK	50	0	21.40	21.40	21.34	22.5	0.0	
20	PQ2 BPSK	50	28	21.23	21.39	21.32	22.5	0.0	
20	PQ2 BPSK	50	56	21.28	21.25	21.33	22.5	0.0	
20	PQ2 BPSK	100	0	21.38	21.42	21.34			
20	QPSK	1	1	21.32	21.40	21.41			
20	QPSK	1	53	21.24	21.39	21.23	22.5	0.0	
20	QPSK	1	104	21.29	21.26	21.21			
20	QPSK	50	0	21.17	21.38	21.22	22.5	0.0	
20	QPSK	50	28	21.19	21.45	21.24	22.5	0.0	
20	QPSK	50	56	21.27	21.21	21.27	22.5	0.0	
20	QPSK	100	0	21.22	21.39	21.26			
20	16QAM	1	1	21.19	21.23	21.07	22.5	0.0	
20	64QAM	1	1	19.59	19.69	19.69	21.5	1.0	
20	256QAM	1	1	17.88	17.99	17.92	19.5	3.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	21.27	21.44	21.29	22.5	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	21.23	21.33	21.30	22.5	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	21.26	21.37	21.26	22.5	0.0	

n66 Ant1 Receiver on SA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Modu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	PQ2 BPSK	1	1	16.26	16.42	16.37			
40	PQ2 BPSK	1	108	16.35	16.52	16.39	17.5	0.0	
40	PQ2 BPSK	1	214	16.27	16.38	16.17			
40	PQ2 BPSK	108	0	16.48	16.45	16.43	17.5	0.0	
40	PQ2 BPSK	108	54	16.41	16.47	16.42	17.5	0.0	
40	PQ2 BPSK	108	108	16.32	16.37	16.35	17.5	0.0	
40	PQ2 BPSK	216	0	16.55	16.44	16.37			
40	QPSK	1	1	16.40	16.58	16.45			
40	QPSK	1	108	16.29	16.51	16.39	17.5	0.0	
40	QPSK	1	214	16.30	16.42	16.34			
40	QPSK	108	0	16.28	16.44	16.37	17.5	0.0	
40	QPSK	108	54	16.34	16.43	16.27	17.5	0.0	
40	QPSK	108	108	16.29	16.34	16.30	17.5	0.0	
40	QPSK	216	0	16.28	16.42	16.40			
40	16QAM	1	1	16.27	16.39	16.32	17.5	0.0	
40	64QAM	1	1	16.37	16.37	16.28	17.5	0.0	
40	256QAM	1	1	16.33	16.41	16.34	17.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1765			
30	PQ2 BPSK	1	1	16.26	16.43	16.33	17.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PQ2 BPSK	1	1	16.29	16.49	16.38	17.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	256QAM	1	1	16.29	16.47	16.40	17.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	16.33	16.46	16.31	17.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	16.25	16.44	16.41	17.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	16.25	16.42	16.33	17.5	0.0	

n70 Ant1 Receiver on SA								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1672.5			
15	PQ2 BPSK	1	1		16.74			
15	PQ2 BPSK	1	40		16.85		18.0	0.0
15	PQ2 BPSK	1	77		16.73			
15	PQ2 BPSK	36	0		16.75		18.0	0.0
15	PQ2 BPSK	36	22		16.81		18.0	0.0
15	PQ2 BPSK	36	43		16.64			
15	PQ2 BPSK	75	0		16.76		18.0	0.0
15	QPSK	1	1		16.87			
15	QPSK	1	40		16.79		18.0	0.0
15	QPSK	1	77		16.73			
15	QPSK	36	0		16.76		18.0	0.0
15	QPSK	36	22		16.75		18.0	0.0
15	QPSK	36	43		16.63		18.0	0.0
15	QPSK	75	0		16.71			
15	16QAM	1	1		16.66		18.0	0.0
15	16QAM	1	1		16.71		18.0	0.0
15	256QAM	1	1		16.73		18.0	0.0
Channel				340000	340500	341000	Tune-up limit	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	16.72	16.80	16.74	18.0	0.0
Channel				339500	340500	341500	Tune-up limit	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	16.81	16.78	16.76	18.0	0.0



n48 Ant3 Receiver on SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (db)	
Channel				630000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	18.55	18.70	18.52	20.0	0.0	
40	PI2 BPSK	1	50	18.69	18.76	18.45			
40	PI2 BPSK	1	104	18.63	18.74	18.45			
40	PI2 BPSK	50	0	18.70	18.78	18.56	20.0	0.0	
40	PI2 BPSK	50	28	18.60	18.71	18.38	20.0	0.0	
40	PI2 BPSK	50	58	18.70	18.71	18.62	20.0	0.0	
40	PI2 BPSK	100	0	18.56	18.59	18.44			
40	QPSK	1	1	18.68	18.78	18.66			
40	QPSK	1	53	18.61	18.64	18.52	20.0	0.0	
40	QPSK	1	104	18.62	18.62	18.49	20.0	0.0	
40	QPSK	50	0	18.67	18.62	18.44			
40	QPSK	50	28	18.55	18.73	18.49			
40	QPSK	50	58	18.63	18.61	18.56	20.0	0.0	
40	QPSK	100	0	18.59	18.65	18.51	20.0	0.0	
40	16QAM	1	1	17.59	18.67	18.46			
40	64QAM	1	1	18.49	18.71	18.54			
40	256QAM	1	1	17.78	17.92	17.83	19.5	0.5	
Channel				637668	641666	645666	Tune-up limit	MPR	
Frequency (MHz)				3565.02	3624.99	3694.99	(dbm)		
30	QPSK	1	1	18.63	18.69	18.60	20.0	0.0	
Channel				637334	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3560.01	3624.99	3690	(dbm)		
20	QPSK	1	1	18.57	18.66	18.62	20.0	0.0	
Channel				637168	641666	646166	Tune-up limit	MPR	
Frequency (MHz)				3557.57	3624.99	3692.69	(dbm)		
15	PI2 BPSK	1	1	18.38	18.54	18.25	20.0	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3555	3624.99	3694.98	(dbm)		
10	PI2 BPSK	1	1	18.68	18.37	18.17	20.0	0.0	

Part270 n77_Ant3 Receiver on SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	17.20	17.33	17.28	19.0	0.0	
100	PI2 BPSK	1	137	17.26	17.38	17.37			
100	PI2 BPSK	1	271	17.33	17.33	17.21			
100	PI2 BPSK	135	0	17.31	17.33	17.21	19.0	0.0	
100	PI2 BPSK	135	69	17.19	17.44	17.25	19.0	0.0	
100	PI2 BPSK	135	138	17.29	17.25	17.21	19.0	0.0	
100	PI2 BPSK	270	0	17.23	17.46	17.28	19.0	0.0	
100	QPSK	1	1	17.16	17.41	17.20			
100	QPSK	1	137	17.19	17.41	17.15			
100	QPSK	1	271	17.16	17.24	17.17	19.0	0.0	
100	QPSK	135	0	17.33	17.32	17.38	19.0	0.0	
100	QPSK	135	69	17.27	17.42	17.28	19.0	0.0	
100	QPSK	135	138	17.21	17.30	17.17	19.0	0.0	
100	QPSK	270	0	17.22	17.38	17.19	19.0	0.0	
100	16QAM	1	1	17.22	17.33	17.30	19.0	0.0	
100	64QAM	1	1	17.21	17.40	17.25			
100	256QAM	1	1	17.20	17.37	17.17			
Channel				648668	650000	662334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.02	3840	3935.01	(dbm)		
90	QPSK	1	1	17.05	17.29	17.10	19.0	0.0	
Channel				648334	650000	662668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3840	3940.02	(dbm)		
80	QPSK	1	1	17.09	17.25	17.15	19.0	0.0	
Channel				648000	650000	663000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3735	3840	3945	(dbm)		
70	QPSK	1	1	17.12	17.36	17.14	19.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3730.02	3840	3950.01	(dbm)		
60	QPSK	1	1	17.16	17.33	17.10	19.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3840	3955.02	(dbm)		
50	QPSK	1	1	17.05	17.28	17.14	19.0	0.0	
Channel				648000	650000	664000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720	3840	3960	(dbm)		
40	QPSK	1	1	17.11	17.25	17.12	19.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3715.02	3840	3965.01	(dbm)		
30	QPSK	1	1	17.05	17.35	17.16	19.0	0.0	
Channel				647334	650000	664500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3712.5	3840	3967.5	(dbm)		
25	QPSK	1	1	17.09	17.32	17.12	19.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3840	3970.02	(dbm)		
20	QPSK	1	1	17.15	17.31	17.08	19.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3707.52	3840	3972.51	(dbm)		
15	QPSK	1	1	17.07	17.25	17.09	19.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3705	3840	3975	(dbm)		
10	QPSK	1	1	17.05	17.27	17.12	19.0	0.0	

Part27Q n77_Ant3 Receiver on SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		18.03		19.0	0.0	
100	PI2 BPSK	1	137		18.01				
100	PI2 BPSK	1	271		17.77				
100	PI2 BPSK	135	0		17.88		19.0	0.0	
100	PI2 BPSK	135	69		17.96		19.0	0.0	
100	PI2 BPSK	135	138		17.86		19.0	0.0	
100	PI2 BPSK	270	0		18.08				
100	QPSK	1	1		18.06				
100	QPSK	1	137		17.90		19.0	0.0	
100	QPSK	1	271		18.00				
100	QPSK	135	0		17.86				
100	QPSK	135	69		17.98		19.0	0.0	
100	QPSK	135	138		17.79				
100	QPSK	270	0		17.95				
100	16QAM	1	1		17.92		19.0	0.0	
100	64QAM	1	1		17.89				
100	256QAM	1	1		17.96				
Channel				633000	633334	633668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	(dB)		
90	QPSK	1	1	17.89	17.91	17.92	19.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	(dB)		
80	QPSK	1	1	17.86	17.96	17.89	19.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	(dB)		
70	QPSK	1	1	17.83	17.98	17.97	19.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	(dB)		
60	QPSK	1	1	17.81	17.97	17.97	19.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	(dB)		
50	QPSK	1	1	17.87	17.96	17.96	19.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	(dB)		
40	QPSK	1	1	17.91	17.86	17.89	19.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	(dB)		
30	QPSK	1	1	17.91	17.87	17.84	19.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	(dB)		
25	QPSK	1	1	17.91	17.91	17.98	19.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	(dB)		
20	QPSK	1	1	17.85	17.97	17.88	19.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	(dB)		
15	QPSK	1	1	17.90	17.96	17.87	19.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	(dB)		
10	QPSK	1	1	17.87	17.92	17.87	19.0	0.0	

Part270 78 Ant3 Receiver on SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000			19.0	0.0	
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		17.11		19.0	0.0	
100	PI2 BPSK	1	137		17.18				
100	PI2 BPSK	1	221		17.22				
100	PI2 BPSK	135	0		17.11				
100	PI2 BPSK	135	69		17.34		19.0	0.0	
100	PI2 BPSK	135	138		17.02		19.0	0.0	
100	PI2 BPSK	270	0		17.21		19.0	0.0	
100	QPSK	1	1		17.41		19.0	0.0	
100	QPSK	1	137		17.01				
100	QPSK	1	271		17.08				
100	QPSK	135	0		17.13				
100	QPSK	135	69		17.15		19.0	0.0	
100	QPSK	135	138		17.04		19.0	0.0	
100	QPSK	270	0		17.08		19.0	0.0	
100	16QAM	1	1		17.07		19.0	0.0	
100	64QAM	1	1		17.05		19.0	0.0	
100	256QAM	1	1		17.02		19.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		17.02	17.04	17.02	19.0	0.0
Channel				846334	850000	850668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3746.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		17.01	17.08	17.06	19.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		17.01	17.04	17.13	19.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		17.05	17.05	17.14	19.0	0.0
Channel				846334	850000	851668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		17.05	17.09	17.07	19.0	0.0
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		17.11	17.04	17.07	19.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		17.07	17.01	17.05	19.0	0.0
Channel				847668	850000	852000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1		17.09	17.18	17.13	19.0	0.0
Channel				847334	850000	852668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		17.16	17.02	17.05	19.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		17.03	17.00	17.03	19.0	0.0
Channel				847000	850000	853000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		17.09	17.01	17.09	19.0	0.0

Part27Q 78 Ant3 Receiver on SA									
BW [MHz]	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	PI2 BPSK	1	1		17.03		19.0	0.0	
100	PI2 BPSK	1	137		17.39				
100	PI2 BPSK	1	221		17.32				
100	PI2 BPSK	135	0		17.38				
100	PI2 BPSK	135	69		17.33		19.0	0.0	
100	PI2 BPSK	135	138		17.28		19.0	0.0	
100	PI2 BPSK	270	0		17.25		19.0	0.0	
100	QPSK	1	1		17.65		19.0	0.0	
100	QPSK	1	137		17.32				
100	QPSK	1	271		17.38				
100	QPSK	135	0		17.16				
100	QPSK	135	69		17.52		19.0	0.0	
100	QPSK	135	138		17.28		19.0	0.0	
100	QPSK	270	0		17.10		19.0	0.0	
100	16QAM	1	1		17.03		19.0	0.0	
100	64QAM	1	1		17.04		19.0	0.0	
100	256QAM	1	1		17.22		19.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		17.49	17.52	17.40	19.0	0.0
Channel				832668	833334	834000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		17.57	17.53	17.48	19.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		17.36	17.43	17.35	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		17.49	17.50	17.33	19.0	0.0
Channel				831668	833334	835000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		17.20	17.50	17.28	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		17.45	17.51	17.31	19.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		17.59	17.24	17.53	19.0	0.0
Channel				830634	833334	835834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)	
25	QPSK	1	1		17.41	17.40	17.39	19.0	0.0
Channel				830668	833334	836000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		17.40	17.42	17.26	19.0	0.0
Channel				630900	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		17.25	17.32	17.31	19.0	0.0
Channel				830334	833334	836334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		17.53	17.52	17.51	19.0	0.0

Part27O n77_PC2 Ant 4 Receiver on SA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000	24.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.73	22.66	22.69		
100	PI/2 BPSK	1	137	22.68	22.54	22.69	24.0	0.0
100	PI/2 BPSK	1	271	22.70	22.69	22.71		
100	PI/2 BPSK	135	0	22.79	22.69	22.63		
100	PI/2 BPSK	135	69	22.61	22.84	23.69	24.0	0.0
100	PI/2 BPSK	135	138	22.69	22.58	22.57	24.0	0.0
100	PI/2 BPSK	270	0	22.55	22.76	22.61		
100	QPSK	1	1	22.76	22.99	22.85		
100	QPSK	1	137	22.71	22.79	22.62	24.0	0.0
100	QPSK	1	271	22.67	22.74	22.71	24.0	0.0
100	QPSK	135	0	22.62	22.65	22.65		
100	QPSK	135	69	22.69	22.72	22.53		
100	QPSK	135	138	22.56	22.59	22.69	24.0	0.0
100	QPSK	270	0	22.58	22.59	22.26	24.0	0.0
100	16QAM	1	1	22.59	22.53	22.55		
100	64QAM	1	1	22.63	22.57	22.58		
100	256QAM	1	1	22.17	22.10	22.06	23.5	0.5
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	22.70	22.70	22.70	24.0	0.0
Channel				649334	650000	650505	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	22.64	22.88	22.63	24.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	22.61	22.97	22.69	24.0	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	22.60	22.75	22.66	24.0	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3940	3953.02	(dBm)	(dB)
50	QPSK	1	1	22.74	22.64	22.74	24.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	22.70	22.70	22.56	24.0	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3940	3963.01	(dBm)	(dB)
30	QPSK	1	1	22.57	22.71	22.57	24.0	0.0
Channel				647300	656000	664500	Tune-up limit	MPR
Frequency (MHz)				3712.5	3840	3967.5	(dBm)	(dB)
25	QPSK	1	1	22.71	22.95	22.72	24.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	22.55	22.62	22.51	24.0	0.0
Channel				647168	656000	664834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	22.65	22.73	22.63	24.0	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	22.68	22.96	22.81	24.0	0.0

Part27Q n77_PC2 Ant4 Receiver on SA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	635000	24.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		22.31			
100	PI/2 BPSK	1	137		21.97		24.0	0.0
100	PI/2 BPSK	1	271		22.10		24.0	0.0
100	PI/2 BPSK	135	0		22.32			
100	PI/2 BPSK	135	69		22.35			
100	PI/2 BPSK	135	138		21.98		24.0	0.0
100	PI/2 BPSK	270	0		22.33		24.0	0.0
100	QPSK	1	1		22.43			
100	QPSK	1	137		21.98		24.0	0.0
100	QPSK	1	271		22.09		24.0	0.0
100	QPSK	135	0		22.17			
100	QPSK	135	69		22.35			
100	QPSK	135	138		22.15		24.0	0.0
100	QPSK	270	0		22.12		24.0	0.0
100	16QAM	1	1		21.79			
100	64QAM	1	1		21.80			
100	256QAM	1	1		20.57		23.5	0.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	22.04	22.01	22.06	24.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	22.07	22.19	22.06	24.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	22.17	22.02	22.10	24.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	22.01	22.06	22.06	24.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	22.09	22.07	22.15	24.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	22.03	22.01	22.13	24.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	22.05	22.09	22.01	24.0	0.0
Channel				630834	633334	635834	Tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	22.10	22.06	22.15	24.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	22.01	22.06	22.17	24.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	22.08	22.05	22.12	24.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	22.07	22.16	22.03	24.0	0.0

n41 PC2 Ant 5 PC2&PC3 Receiver on SA

BW [MHz]	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	18.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.24	16.46	16.27	18.0	0.0
100	PI/2 BPSK	1	137	16.31	16.43	16.31		
100	PI/2 BPSK	1	271	16.36	16.46	16.22		
100	PI/2 BPSK	135	0	16.30	16.39	16.25		
100	PI/2 BPSK	135	69	16.22	16.43	16.31	18.0	0.0
100	PI/2 BPSK	135	138	16.35	16.38	16.15	18.0	0.0
100	PI/2 BPSK	270	0	16.36	16.38	16.18	18.0	0.0
100	QPSK	1	1	16.39	16.56	16.36		
100	QPSK	1	137	16.30	16.44	16.23		
100	QPSK	1	271	16.28	16.45	16.19		
100	QPSK	135	0	16.27	16.46	16.25	18.0	0.0
100	QPSK	135	69	16.28	16.52	16.17	18.0	0.0
100	QPSK	135	138	16.26	16.37	16.19	18.0	0.0
100	QPSK	270	0	16.32	16.45	16.16	18.0	0.0
100	16QAM	1	1	16.22	16.33	16.25		
100	64QAM	1	1	16.33	16.36	16.20		
100	256QAM	1	1	16.24	16.35	16.19		
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	123	16.41	16.41	16.29	18.0	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	109	16.35	16.39	16.40	18.0	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	95	16.41	16.41	16.30	18.0	0.0
Channel				505200	518598	531998	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	81	16.46	16.38	16.38	18.0	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	67	16.35	16.50	16.40	18.0	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	53	16.42	16.37	16.32	18.0	0.0
Channel				502200	518598	534998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.99	(dBm)	(dB)
30	QPSK	1	39	16.46	16.40	16.40	18.0	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	26	16.42	16.46	16.27	18.0	0.0
Channel				500700	518598	536998	Tune-up limit	MPR
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	19	16.40	16.38	16.35	18.0	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	12	16.31	16.40	16.35	18.0	0.0

n41 PC2 Ant 7 Receiver on SA									
BW [MHz]	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	22.8	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.47	21.73	21.70	22.8	0.0	
100	PI/2 BPSK	1	137	21.57	21.56	21.69			
100	PI/2 BPSK	1	271	21.69	21.45	21.63			
100	PI/2 BPSK	135	0	21.35	21.46	21.27			
100	PI/2 BPSK	135	69	21.54	21.54	21.74	22.8	0.0	
100	PI/2 BPSK	135	138	21.47	21.47	21.48	22.8	0.0	
100	PI/2 BPSK	270	0	21.38	21.53	21.41			
100	QPSK	1	1	21.56	21.85	21.79	22.8	0.0	
100	QPSK	1	137	21.50	21.60	21.47			
100	QPSK	1	271	21.58	21.76	21.56			
100	QPSK	135	0	21.10	21.00	20.80			
100	QPSK	135	69	21.76	21.80	21.70	22.8	0.0	
100	QPSK	135	138	21.33	21.38	21.29	22.8	0.0	
100	QPSK	270	0	21.32	21.38	21.26	22.8	0.0	
100	16QAM	1	1	21.55	21.64	21.33			
100	64QAM	1	1	21.57	21.34	21.46			
100	256QAM	1	1	20.56	20.61	20.56			
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	123	21.58	21.53	21.63	22.8	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	109	21.52	21.64	21.72	22.8	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	95	21.26	21.82	21.44	22.8	0.0	
Channel				505200	518598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	81	21.27	21.56	21.49	22.8	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2654.99	(dBm)	(dB)	
50	QPSK	1	67	21.40	21.70	21.53	22.8	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	53	21.34	21.68	21.50	22.8	0.0	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.99	(dBm)	(dB)	
30	QPSK	1	39	21.54	21.82	21.45	22.8	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	26	21.21	21.72	21.70	22.8	0.0	
Channel				500100	518598	536998	Tune-up limit	MPR	
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	19	21.40	21.59	21.57	22.8	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	12	21.27	21.75	21.77	22.8	0.0	



n2 Ant0 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				376000	376000	376000	15.0	0.0	
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	14.29	14.19	14.16	15.0	0.0	
40	PI2 BPSK	1	108	14.14	14.16	14.14			
40	PI2 BPSK	1	214	14.17	14.19	14.42	15.0	0.0	
40	PI2 BPSK	108	0	14.40	14.10	14.22	15.0	0.0	
40	PI2 BPSK	108	54	14.32	14.17	14.23	15.0	0.0	
40	PI2 BPSK	108	108	14.19	14.15	14.25	15.0	0.0	
40	PI2 BPSK	216	0	14.18	14.25	14.19			
40	QPSK	1	1	14.22	14.49	14.34	15.0	0.0	
40	QPSK	1	108	14.26	14.20	14.39			
40	QPSK	1	214	14.17	14.10	14.30	15.0	0.0	
40	QPSK	108	0	14.05	14.21	14.02			
40	QPSK	108	54	14.20	14.29	14.29	15.0	0.0	
40	QPSK	108	108	14.14	14.00	14.08	15.0	0.0	
40	QPSK	216	0	14.13	14.21	14.17			
40	16QAM	1	1	14.21	14.25	14.03	15.0	0.0	
40	64QAM	1	1	14.33	14.25	14.37	15.0	0.0	
40	256QAM	1	1	14.21	14.18	14.21	15.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	15.0	0.0	
30	QPSK	1	1	14.11	14.23	14.25	15.0	0.0	
Channel				372500	373000	373500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	15.0	0.0	
25	QPSK	1	1	14.15	14.17	14.28	15.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905	15.0	0.0	
20	QPSK	1	1	14.14	14.23	14.31	15.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	15.0	0.0	
15	QPSK	1	1	14.16	14.26	14.28	15.0	0.0	
Channel				371000	373000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	15.0	0.0	
10	QPSK	1	1	14.11	14.21	14.35	15.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	15.0	0.0	
5	QPSK	1	1	14.31	14.41	14.22	15.0	0.0	

n25 Ant0 Hotspot SA									
BW [MHz]	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	376500	379000	15.0	0.0	
Frequency (MHz)				1870	1882.5	1896			
40	PI2 BPSK	1	1	14.32	14.26	14.10	15.0	0.0	
40	PI2 BPSK	1	108	14.44	14.51	14.27			
40	PI2 BPSK	1	214	14.20	14.30	14.32	15.0	0.0	
40	PI2 BPSK	108	0	14.45	14.24	14.34	15.0	0.0	
40	PI2 BPSK	108	54	14.46	14.32	14.27	15.0	0.0	
40	PI2 BPSK	108	108	14.26	14.19	14.37	15.0	0.0	
40	PI2 BPSK	216	0	14.23	14.26	14.25			
40	QPSK	1	1	14.27	14.53	14.43	15.0	0.0	
40	QPSK	1	108	14.30	14.44	14.42			
40	QPSK	1	214	14.27	14.18	14.37	15.0	0.0	
40	QPSK	108	0	14.20	14.31	14.09			
40	QPSK	108	54	14.32	14.43	14.30	15.0	0.0	
40	QPSK	108	108	14.31	14.25	14.32	15.0	0.0	
40	QPSK	216	0	14.24	14.36	14.26			
40	16QAM	1	1	14.43	14.35	14.24	15.0	0.0	
40	64QAM	1	1	14.51	14.18	14.44	15.0	0.0	
40	256QAM	1	1	14.35	14.32	14.25	15.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900	15.0	0.0	
30	QPSK	1	1	14.25	14.29	14.34	15.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5	15.0	0.0	
25	QPSK	1	1	14.19	14.31	14.29	15.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905	15.0	0.0	
20	QPSK	1	1	14.16	14.25	14.35	15.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	15.0	0.0	
15	QPSK	1	1	14.22	14.35	14.24	15.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910	15.0	0.0	
10	QPSK	1	1	14.25	14.21	14.28	15.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5	15.0	0.0	
5	QPSK	1	1	14.22	14.42	14.25	15.0	0.0	

n66 Ant0 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	18.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	17.46	17.42	17.31	18.0	0.0	
40	PI2 BPSK	1	108	17.43	17.49	17.41			
40	PI2 BPSK	1	214	17.46	17.41	17.52	18.0	0.0	
40	PI2 BPSK	108	0	17.57	17.41	17.55	18.0	0.0	
40	PI2 BPSK	108	54	17.43	17.40	17.33	18.0	0.0	
40	PI2 BPSK	108	108	17.39	17.36	17.51	18.0	0.0	
40	PI2 BPSK	216	0	17.28	17.39	17.41			
40	QPSK	1	1	17.48	17.65	17.54	18.0	0.0	
40	QPSK	1	108	17.47	17.49	17.51			
40	QPSK	1	214	17.44	17.34	17.46	18.0	0.0	
40	QPSK	108	0	17.39	17.43	17.26			
40	QPSK	108	54	17.48	17.60	17.39	18.0	0.0	
40	QPSK	108	108	17.34	17.24	17.31	18.0	0.0	
40	QPSK	216	0	17.44	17.49	17.37			
40	16QAM	1	1	17.39	17.39	17.36	18.0	0.0	
40	64QAM	1	1	17.44	17.36	17.54	18.0	0.0	
40	256QAM	1	1	17.46	17.42	17.51	18.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	18.0	0.0	
30	PI2 BPSK	1	1	17.43	17.59	17.42	18.0	0.0	
Channel				344000	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	18.0	0.0	
25	PI2 BPSK	1	1	17.40	17.52	17.40	18.0	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	18.0	0.0	
20	256QAM	1	1	17.37	17.50	17.46	18.0	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	18.0	0.0	
15	QPSK	1	1	17.27	17.55	17.41	18.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	18.0	0.0	
10	QPSK	1	1	17.41	17.53	17.42	18.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	18.0	0.0	
5	QPSK	1	1	17.40	17.56	17.48	18.0	0.0	



n70 Ant0 Hotspot SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				340000			19.0	0.0
Frequency (MHz)				1702.5				
15	PI/2 BPSK	1	1		18.34		19.0	0.0
15	PI/2 BPSK	1	40		18.35			
15	PI/2 BPSK	1	77		18.27			
15	PI/2 BPSK	36	0		18.35		19.0	0.0
15	PI/2 BPSK	36	22		18.28		19.0	0.0
15	PI/2 BPSK	36	43		18.23		19.0	0.0
15	PI/2 BPSK	75	0		18.27			
15	QPSK	1	1		18.53		19.0	0.0
15	QPSK	1	40		18.44			
15	QPSK	1	77		18.28			
15	QPSK	36	0		18.33		19.0	0.0
15	QPSK	36	22		18.46		19.0	0.0
15	QPSK	36	43		18.15		19.0	0.0
15	QPSK	75	0		18.35			
15	16QAM	1	1		18.34		19.0	0.0
15	64QAM	1	1		18.30		19.0	0.0
15	256QAM	1	1		18.28		19.0	0.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	18.31	18.41	18.29	19.0	0.0
Channel				339500	339500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	18.24	18.46	18.20	19.0	0.0



n2 Ant1 Hotspot SA								
BW [MHz]	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	376000	378000	17.0	0.0
Frequency (MHz)				1870	1880	1890		
40	PQ2 BPSK	1	1	15.97	15.92	15.86	17.0	0.0
40	PQ2 BPSK	1	108	15.88	15.93	15.87		
40	PQ2 BPSK	1	214	15.94	15.86	15.97	17.0	0.0
40	PQ2 BPSK	108	0	16.06	15.86	16.10	17.0	0.0
40	PQ2 BPSK	108	54	15.87	15.94	15.82	17.0	0.0
40	PQ2 BPSK	108	108	15.93	15.91	15.97	17.0	0.0
40	PQ2 BPSK	216	0	15.73	15.94	15.88	17.0	0.0
40	QPSK	1	1	15.93	16.16	16.03		
40	QPSK	1	108	16.01	16.05	16.01	17.0	0.0
40	QPSK	1	214	15.94	15.86	15.96	17.0	0.0
40	QPSK	108	0	15.87	15.86	15.77		
40	QPSK	108	54	15.97	16.13	15.93	17.0	0.0
40	QPSK	108	108	15.80	15.80	15.76	17.0	0.0
40	QPSK	216	0	15.92	16.02	15.82	17.0	0.0
40	16QAM	1	1	15.90	15.84	15.91		
40	64QAM	1	1	15.93	15.90	16.01	17.0	0.0
40	256QAM	1	1	15.94	15.92	15.98	17.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895	17.0	0.0
30	QPSK	1	1	15.86	16.12	15.90	17.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5	17.0	0.0
25	QPSK	1	1	15.80	16.05	15.94	17.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905	17.0	0.0
20	QPSK	1	1	15.87	16.09	15.93	17.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	17.0	0.0
15	QPSK	1	1	15.89	16.10	15.94	17.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905	17.0	0.0
10	QPSK	1	1	15.88	16.09	15.90	17.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1897.5	17.0	0.0
5	QPSK	1	1	15.80	16.03	15.92	17.0	0.0

n25 Ant1 Hotspot SA								
BW [MHz]	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	17.0	0.0
Frequency (MHz)				1870	1882.5	1896		
40	PQ2 BPSK	1	1	16.09	16.04	15.96	17.0	0.0
40	PQ2 BPSK	1	108	15.98	16.02	15.93		
40	PQ2 BPSK	1	214	16.07	16.04	16.09	17.0	0.0
40	PQ2 BPSK	108	0	16.21	15.92	16.17	17.0	0.0
40	PQ2 BPSK	108	54	15.91	16.07	15.91	17.0	0.0
40	PQ2 BPSK	108	108	16.07	16.00	16.06	17.0	0.0
40	PQ2 BPSK	216	0	15.86	16.06	16.02	17.0	0.0
40	QPSK	1	1	16.09	16.24	16.11		
40	QPSK	1	108	16.12	16.11	16.15	17.0	0.0
40	QPSK	1	214	16.08	15.95	16.08	17.0	0.0
40	QPSK	108	0	15.94	16.05	15.88		
40	QPSK	108	54	16.03	16.21	16.04	17.0	0.0
40	QPSK	108	108	15.95	15.90	15.85	17.0	0.0
40	QPSK	216	0	16.00	16.07	15.97	17.0	0.0
40	16QAM	1	1	15.99	15.91	16.02		
40	64QAM	1	1	15.97	15.98	16.09	17.0	0.0
40	256QAM	1	1	16.04	16.01	16.10	17.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900	17.0	0.0
30	QPSK	1	1	16.04	16.13	15.96	17.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5	17.0	0.0
25	QPSK	1	1	15.94	16.10	16.00	17.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1902	17.0	0.0
20	QPSK	1	1	16.02	16.18	15.97	17.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5	17.0	0.0
15	QPSK	1	1	15.96	16.20	16.01	17.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910	17.0	0.0
10	QPSK	1	1	15.97	16.16	16.03	17.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5	17.0	0.0
5	QPSK	1	1	16.05	16.12	16.04	17.0	0.0

n66 Ant1 Hotspot SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	18.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PQ2 BPSK	1	1	16.71	16.67	16.59	18.0	0.0
40	PQ2 BPSK	1	108	16.60	16.86	16.79		
40	PQ2 BPSK	1	214	16.73	16.59	16.82	18.0	0.0
40	PQ2 BPSK	108	0	16.85	16.53	16.95	18.0	0.0
40	PQ2 BPSK	108	54	16.66	16.75	16.59	18.0	0.0
40	PQ2 BPSK	108	108	16.78	16.65	16.74	18.0	0.0
40	PQ2 BPSK	216	0	16.61	16.74	16.66	18.0	0.0
40	QPSK	1	1	16.67	16.96	16.86		
40	QPSK	1	108	16.85	16.79	16.78	18.0	0.0
40	QPSK	1	214	16.80	16.60	16.72	18.0	0.0
40	QPSK	108	0	16.82	16.78	16.43		
40	QPSK	108	54	16.95	16.92	16.80	18.0	0.0
40	QPSK	108	108	16.95	16.47	16.53	18.0	0.0
40	QPSK	216	0	16.77	16.83	16.57	18.0	0.0
40	16QAM	1	1	16.72	16.57	16.69		
40	64QAM	1	1	16.85	16.71	16.95	18.0	0.0
40	256QAM	1	1	16.77	16.71	16.74	18.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	18.0	0.0
30	PQ2 BPSK	1	1	16.56	16.91	16.89	18.0	0.0
Channel				344000	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	18.0	0.0
25	PQ2 BPSK	1	1	16.58	16.95	16.87	18.0	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	18.0	0.0
20	256QAM	1	1	16.52	16.92	16.72	18.0	0.0
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	18.0	0.0
15	QPSK	1	1	16.55	16.58	16.57	18.0	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	18.0	0.0
10	QPSK	1	1	16.48	16.90	16.81	18.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	18.0	0.0
5	QPSK	1	1	16.59	16.89	16.79	18.0	0.0

n70 Ant1 Hotspot SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				340000			20.5	0.0
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1		19.27		20.5	0.0
15	PI2 BPSK	1	40		19.48			
15	PI2 BPSK	1	77		19.50			
15	PI2 BPSK	36	0		19.49		20.5	0.0
15	PI2 BPSK	36	22		19.48		20.5	0.0
15	PI2 BPSK	36	43		19.57		20.5	0.0
15	PI2 BPSK	75	0		19.38			
15	QPSK	1	1		19.83		20.5	0.0
15	QPSK	1	40		19.30			
15	QPSK	1	77		19.36			
15	QPSK	36	0		19.51		20.5	0.0
15	QPSK	36	22		19.56		20.5	0.0
15	QPSK	36	43		19.47		20.5	0.0
15	QPSK	75	0		19.52			
15	16QAM	1	1		19.42		20.5	0.0
15	64QAM	1	1		19.46		20.5	0.0
15	256QAM	1	1		18.36		19.5	1.0
Channel				340000	340500	341000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	19.55	19.51	19.53	20.5	0.0
Channel				339500	339500	341500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	19.50	19.47	19.48	20.5	0.0



n48 Ant3 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dbi)	
Channel				630000	641666	646332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	17.55	17.70	17.52	19.0	0.0	
40	PI2 BPSK	1	53	17.69	17.76	17.45			
40	PI2 BPSK	1	104	17.63	17.74	17.45			
40	PI2 BPSK	50	0	17.70	17.76	17.56	19.0	0.0	
40	PI2 BPSK	50	28	17.60	17.71	17.38	19.0	0.0	
40	PI2 BPSK	50	58	17.70	17.71	17.62	19.0	0.0	
40	PI2 BPSK	100	0	17.56	17.58	17.44			
40	QPSK	1	1	17.68	17.75	17.66			
40	QPSK	1	53	17.61	17.64	17.52	19.0	0.0	
40	QPSK	1	104	17.62	17.62	17.49			
40	QPSK	50	0	17.67	17.62	17.44	19.0	0.0	
40	QPSK	50	28	17.55	17.73	17.45	19.0	0.0	
40	QPSK	50	58	17.63	17.61	17.56	19.0	0.0	
40	QPSK	100	0	17.59	17.65	17.51			
40	15QAM	1	1	16.59	17.67	17.46	19.0	0.0	
40	64QAM	1	1	17.49	17.71	17.54	19.0	0.0	
40	256QAM	1	1	17.28	17.42	17.33	19.0	0.0	
Channel				637668	641666	645666	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	17.63	17.69	17.60	19.0	0.0	
Channel				637334	641666	646000	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3560.01	3624.99	3690			
20	QPSK	1	1	17.57	17.66	17.62	19.0	0.0	
Channel				637168	641666	646166	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3557.57	3624.99	3692.69			
15	QPSK	1	1	17.51	17.67	17.55	19.0	0.0	
Channel				637000	641666	646332	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	17.54	17.65	17.58	19.0	0.0	

Par270 n77 Ant3 Hotspot SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	16.10	16.06	16.23	17.5	0.0	
100	PI2 BPSK	1	137	16.10	16.14	15.91			
100	PI2 BPSK	1	271	15.98	16.13	16.00			
100	PI2 BPSK	135	0	16.17	16.09	16.09	17.5	0.0	
100	PI2 BPSK	135	69	16.21	16.10	16.03	17.5	0.0	
100	PI2 BPSK	135	138	15.94	16.20	16.04	17.5	0.0	
100	PI2 BPSK	270	0	15.99	16.09	16.06			
100	QPSK	1	1	16.23	16.30	16.14			
100	QPSK	1	137	16.15	16.09	16.11	17.5	0.0	
100	QPSK	1	271	15.99	16.17	16.06			
100	QPSK	135	0	16.11	16.16	16.08	17.5	0.0	
100	QPSK	135	69	16.05	16.21	16.08	17.5	0.0	
100	QPSK	135	138	16.11	16.20	16.20	17.5	0.0	
100	QPSK	270	0	15.95	16.17	15.94			
100	16QAM	1	1	16.09	16.17	15.99	17.5	0.0	
100	64QAM	1	1	16.06	16.14	16.05	17.5	0.0	
100	256QAM	1	1	15.96	16.10	16.04	17.5	0.0	
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)		
90	QPSK	1	1	16.10	16.19	16.09	17.5	0.0	
Channel				649334	650000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)		
80	QPSK	1	1	16.19	16.24	15.98	17.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	(dBm)		
70	QPSK	1	1	16.16	16.17	16.05	17.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)		
60	QPSK	1	1	16.09	16.22	16.04	17.5	0.0	
Channel				649334	650000	663568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)		
50	QPSK	1	1	16.12	16.25	16.02	17.5	0.0	
Channel				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dBm)		
40	QPSK	1	1	16.18	16.19	15.99	17.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)		
30	QPSK	1	1	16.16	16.18	16.02	17.5	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)		
25	QPSK	1	1	16.09	16.15	16.01	17.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)		
20	QPSK	1	1	16.19	16.17	16.07	17.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)		
15	QPSK	1	1	16.12	16.14	16.02	17.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dBm)		
10	QPSK	1	1	16.63	16.74	16.52	17.5	0.0	

Part27Q n77 Ant3 Hotspot SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		16.25		17.5	0.0	
100	PI2 BPSK	1	137		16.39				
100	PI2 BPSK	1	271		16.26				
100	PI2 BPSK	135	0		16.21		17.5	0.0	
100	PI2 BPSK	135	69		16.39		17.5	0.0	
100	PI2 BPSK	135	138		16.32		17.5	0.0	
100	PI2 BPSK	270	0		16.37				
100	QPSK	1	1		16.69				
100	QPSK	1	137		16.51		17.5	0.0	
100	QPSK	1	271		16.31				
100	QPSK	135	0		16.35		17.5	0.0	
100	QPSK	135	69		16.50		17.5	0.0	
100	QPSK	135	138		16.19				
100	QPSK	270	0		16.45				
100	16QAM	1	1		16.24		17.5	0.0	
100	64QAM	1	1		16.39		17.5	0.0	
100	256QAM	1	1		16.40		17.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	16.54	16.63	16.59	17.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	16.65	16.65	16.58	17.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	16.54	16.57	16.56	17.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	16.59	16.61	16.63	17.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	16.58	16.54	16.57	17.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	16.62	16.64	16.56	17.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	16.62	16.64	16.62	17.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
25	QPSK	1	1	16.56	16.61	16.54	17.5	0.0	
Channel				630368	633334	636360	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.02	3500.01	3545			
20	QPSK	1	1	16.58	16.64	16.60	17.5	0.0	
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.01	3500.01	3545.02			
15	QPSK	1	1	16.56	16.57	16.56	17.5	0.0	
Channel				630334	633334	636968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3445.01	3500.01	3545.01			
10	QPSK	1	1	16.65	16.65	16.57	17.5	0.0	

Part27O 78 Ant3 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		15.70				
100	PI2 BPSK	1	137		15.82		17.5	0.0	
100	PI2 BPSK	1	271		15.84				
100	PI2 BPSK	135	0		15.78		17.5	0.0	
100	PI2 BPSK	135	69		15.81		17.5	0.0	
100	PI2 BPSK	135	138		15.69		17.5	0.0	
100	PI2 BPSK	270	0		15.58		17.5	0.0	
100	QPSK	1	1		15.85				
100	QPSK	1	137		15.84		17.5	0.0	
100	QPSK	1	271		15.56				
100	QPSK	135	0		15.88		17.5	0.0	
100	QPSK	135	69		15.72		17.5	0.0	
100	QPSK	135	138		15.58		17.5	0.0	
100	QPSK	270	0		15.55		17.5	0.0	
100	16QAM	1	1		15.54		17.5	0.0	
100	64QAM	1	1		15.74		17.5	0.0	
100	256QAM	1	1		15.59		17.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		15.79	15.70	15.71	17.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		15.82	15.72	15.62	17.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		15.85	15.82	15.70	17.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		15.79	15.84	15.57	17.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		15.71	15.60	15.78	17.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		15.72	15.87	15.83	17.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		15.68	15.60	15.68	17.5	0.0
Channel				647334	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
25	QPSK	1	1		15.82	15.78	15.70	17.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		15.71	15.69	15.68	17.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		15.72	15.82	15.73	17.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		15.73	15.78	15.62	17.5	0.0

Part27Q 78 Ant3 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		15.82				
100	PI2 BPSK	1	137		15.78		17.5	0.0	
100	PI2 BPSK	1	271		15.54				
100	PI2 BPSK	135	0		15.67		17.5	0.0	
100	PI2 BPSK	135	69		15.86		17.5	0.0	
100	PI2 BPSK	135	138		15.57		17.5	0.0	
100	PI2 BPSK	270	0		15.86				
100	QPSK	1	1		15.62				
100	QPSK	1	137		15.54		17.5	0.0	
100	QPSK	1	271		15.55				
100	QPSK	135	0		15.71		17.5	0.0	
100	QPSK	135	69		15.78		17.5	0.0	
100	QPSK	135	138		15.69		17.5	0.0	
100	QPSK	270	0		15.65				
100	16QAM	1	1		15.59		17.5	0.0	
100	64QAM	1	1		15.78		17.5	0.0	
100	256QAM	1	1		15.56		17.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		15.68	15.57	15.54	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		15.69	15.58	15.65	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		15.68	15.55	15.68	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		15.65	15.66	15.61	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		15.70	15.53	15.60	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		15.55	15.63	15.64	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		15.52	15.55	15.70	17.5	0.0
Channel				630668	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)	
25	QPSK	1	1		15.53	15.51	15.58	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		15.69	15.68	15.53	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		15.67	15.69	15.60	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		15.59	15.58	15.59	17.5	0.0



n48 Ant4 Hotspot SA									
BW [MHz]	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)				3670	3624.99	3679.98			
40	PI2 BPSK	1	1	14.88	15.01	14.88			
40	PI2 BPSK	1	50	14.87	14.99	14.85	16.7	0.0	
40	PI2 BPSK	1	104	14.87	14.98	14.82			
40	PI2 BPSK	50	0	14.88	14.94	14.89	16.7	0.0	
40	PI2 BPSK	50	28	14.83	15.06	14.90	16.7	0.0	
40	PI2 BPSK	50	58	14.82	15.02	14.86			
40	PI2 BPSK	100	0	14.86	15.04	14.95	16.7	0.0	
40	QPSK	1	1	14.84	15.07	15.05			
40	QPSK	1	53	14.86	14.99	14.89	16.7	0.0	
40	QPSK	1	104	14.86	15.06	14.89			
40	QPSK	50	0	14.88	15.06	14.87	16.7	0.0	
40	QPSK	50	28	14.83	15.03	14.93	16.7	0.0	
40	QPSK	50	58	14.88	14.97	14.94			
40	QPSK	100	0	14.79	14.95	14.88	16.7	0.0	
40	15QAM	1	1	14.84	15.02	14.89	16.7	0.0	
40	64QAM	1	1	14.82	15.03	14.86	16.7	0.0	
40	256QAM	1	1	14.85	14.99	14.91	16.7	0.0	
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565.02	3624.99	3694.99			
30	QPSK	1	1	14.79	14.89	14.97	10.7	0.0	
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560.01	3624.99	3690			
20	QPSK	1	1	14.77	15.00	14.92	16.7	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.52	3624.99	3692.69			
15	QPSK	1	1	14.85	15.05	14.97	16.7	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	14.77	15.06	14.99	16.7	0.0	

Part27O n77_Ant4 Hotspot SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.35	18.33	18.32			
100	PI2 BPSK	1	137	18.29	18.32	18.41	19.5	0.0	
100	PI2 BPSK	1	271	18.32	18.42	18.27			
100	PI2 BPSK	135	0	18.22	18.46	18.30	19.5	0.0	
100	PI2 BPSK	135	69	18.41	18.50	18.35	19.5	0.0	
100	PI2 BPSK	135	138	18.37	18.47	18.31			
100	PI2 BPSK	270	0	18.38	18.55	18.35	19.5	0.0	
100	QPSK	1	1	18.36	18.57	18.34			
100	QPSK	1	137	18.35	18.43	18.38	19.5	0.0	
100	QPSK	1	271	18.36	18.42	18.43			
100	QPSK	135	0	18.28	18.30	18.45	19.5	0.0	
100	QPSK	135	69	18.26	18.52	18.39	19.5	0.0	
100	QPSK	135	138	18.21	18.37	18.40			
100	QPSK	270	0	18.31	18.50	18.37	19.5	0.0	
100	15QAM	1	1	18.44	18.36	18.44	19.5	0.0	
100	64QAM	1	1	18.37	18.44	18.34	19.5	0.0	
100	256QAM	1	1	18.27	18.35	18.25	19.5	0.0	
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.24	18.41	18.23	19.5	0.0	
Channel				648334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.21	18.52	18.29	19.5	0.0	
Channel				648000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3840	3950.01			
70	QPSK	1	1	18.26	18.48	18.30	19.5	0.0	
Channel				648334	650000	663068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
60	QPSK	1	1	18.31	18.51	18.25	19.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
50	QPSK	1	1	18.29	18.49	18.27	19.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
40	QPSK	1	1	18.23	18.50	18.23	19.5	0.0	
Channel				647334	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
30	QPSK	1	1	18.29	18.44	18.28	19.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.28	18.47	18.29	19.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.23	18.43	18.27	19.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.29	18.53	18.29	19.5	0.0	

Part27Q n77_Ant4 Hotspot SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		18.45				
100	PI2 BPSK	1	137		18.44		19.5	0.0	
100	PI2 BPSK	1	271		18.60				
100	PI2 BPSK	135	0		18.58		19.5	0.0	
100	PI2 BPSK	135	69		18.61		19.5	0.0	
100	PI2 BPSK	135	138		18.58		19.5	0.0	
100	PI2 BPSK	270	0		18.64				
100	QPSK	1	1		18.75				
100	QPSK	1	137		18.58		19.5	0.0	
100	QPSK	1	271		18.55				
100	QPSK	135	0		18.51		19.5	0.0	
100	QPSK	135	69		18.71		19.5	0.0	
100	QPSK	135	138		18.52		19.5	0.0	
100	QPSK	270	0		18.68				
100	16QAM	1	1		18.57		19.5	0.0	
100	64QAM	1	1		18.62		19.5	0.0	
100	256QAM	1	1		18.47		19.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	18.49	18.46	18.51	19.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	18.51	18.49	18.47	19.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	18.47	18.45	18.54	19.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	18.45	18.59	18.52	19.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	18.54	18.48	18.49	19.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	18.47	18.51	18.52	19.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	18.50	18.47	18.49	19.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	18.46	18.45	18.49	19.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	18.50	18.44	18.56	19.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	18.49	18.55	18.51	19.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	18.48	18.53	18.51	19.5	0.0	

Part27O 78 Ant4 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		18.09		19.5	0.0	
100	PI2 BPSK	1	137		18.05				
100	PI2 BPSK	1	271		18.23				
100	PI2 BPSK	135	0		18.35		19.5	0.0	
100	PI2 BPSK	135	69		18.37		19.5	0.0	
100	PI2 BPSK	135	138		18.37		19.5	0.0	
100	PI2 BPSK	270	0		18.28				
100	QPSK	1	1		18.38		19.5	0.0	
100	QPSK	1	137		18.30				
100	QPSK	1	271		18.17				
100	QPSK	135	0		18.11		19.5	0.0	
100	QPSK	135	69		18.38		19.5	0.0	
100	QPSK	135	138		18.19		19.5	0.0	
100	QPSK	270	0		18.32		19.5	0.0	
100	16QAM	1	1		18.06				
100	64QAM	1	1		18.20		19.5	0.0	
100	256QAM	1	1		18.04		19.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		18.38	18.32	18.44	19.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		18.51	18.33	18.40	19.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		18.32	18.32	18.43	19.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		18.38	18.40	18.50	19.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		18.32	18.48	18.50	19.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		18.42	18.37	18.45	19.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		18.38	18.35	18.49	19.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
25	QPSK	1	1		18.43	18.39	18.44	19.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		18.40	18.45	18.54	19.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		18.50	18.45	18.40	19.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		18.34	18.39	18.46	19.5	0.0

Part27Q 78 Ant4 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		18.25		19.5	0.0	
100	PI2 BPSK	1	137		18.50				
100	PI2 BPSK	1	271		18.46				
100	PI2 BPSK	135	0		18.27		19.5	0.0	
100	PI2 BPSK	135	69		18.46		19.5	0.0	
100	PI2 BPSK	135	138		18.28		19.5	0.0	
100	PI2 BPSK	270	0		18.23				
100	QPSK	1	1		18.35		19.5	0.0	
100	QPSK	1	137		18.23				
100	QPSK	1	271		18.55				
100	QPSK	135	0		18.27		19.5	0.0	
100	QPSK	135	69		18.46		19.5	0.0	
100	QPSK	135	138		18.30		19.5	0.0	
100	QPSK	270	0		18.44		19.5	0.0	
100	16QAM	1	1		18.22				
100	64QAM	1	1		18.37		19.5	0.0	
100	256QAM	1	1		18.24		19.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		18.39	18.40	18.63	19.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		18.58	18.63	18.59	19.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		18.54	18.63	18.44	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		18.40	18.71	18.49	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		18.59	18.68	18.59	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		18.55	18.63	18.52	19.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		18.45	18.64	18.54	19.5	0.0
Channel				630668	633334	635934	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)	
25	QPSK	1	1		18.39	18.64	18.52	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		18.58	18.68	18.57	19.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		18.54	18.69	18.55	19.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		18.42	18.51	18.49	19.5	0.0



n41 FCC PC2&PC3 Ant 5 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509200	518598	528000	20.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	18.47	18.44	18.46			
100	PI2 BPSK	1	137	18.40	18.43	18.36			
100	PI2 BPSK	1	271	18.43	18.44	18.42	20.0	0.0	
100	PI2 BPSK	135	0	18.42	18.48	18.36			
100	PI2 BPSK	135	69	18.48	18.45	18.41			
100	PI2 BPSK	135	138	18.46	18.43	18.44			
100	PI2 BPSK	270	0	18.38	18.45	18.43	20.0	0.0	
100	QPSK	1	1	18.50	18.46	18.53			
100	QPSK	1	137	18.37	18.44	18.47			
100	QPSK	1	271	18.37	18.46	18.39			
100	QPSK	135	0	18.46	18.43	18.46	20.0	0.0	
100	QPSK	135	69	18.48	18.61	18.41			
100	QPSK	135	138	18.48	18.53	18.41			
100	QPSK	270	0	18.38	18.58	18.36			
100	15QAM	1	1	18.39	18.52	18.44	20.0	0.0	
100	64QAM	1	1	18.37	18.47	18.41			
100	256QAM	1	1	18.44	18.43	18.44			
Channel				506200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	18.30	18.27	18.27	20.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	18.33	18.28	18.25	20.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2659.98	(dBm)	(dB)	
70	QPSK	1	1	18.29	18.32	18.25	20.0	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	18.23	18.34	18.18	20.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	18.23	18.29	18.25	20.0	0.0	
Channel				500202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	18.28	18.27	18.21	20.0	0.0	
Channel				502000	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	18.23	18.34	18.19	20.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	18.32	18.33	18.22	20.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	18.33	18.33	18.18	20.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	18.23	18.37	18.24	20.0	0.0	

n48 Ant5 Hotspot SA									
BW [MHz]	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	641696	645332	20.0	0.0	
Frequency (MHz)				3670	3624.99	3676.98			
40	PI2 BPSK	1	1	18.68	18.77	18.61			
40	PI2 BPSK	1	53	18.65	18.54	18.60			
40	PI2 BPSK	1	104	18.65	18.71	18.55	20.0	0.0	
40	PI2 BPSK	50	0	18.77	18.78	18.60			
40	PI2 BPSK	50	28	18.71	18.58	18.58			
40	PI2 BPSK	50	56	18.56	18.78	18.57			
40	PI2 BPSK	100	0	18.63	18.77	18.57	20.0	0.0	
40	QPSK	1	1	18.71	18.64	18.63			
40	QPSK	1	53	18.63	18.68	18.55			
40	QPSK	1	104	18.66	18.78	18.60			
40	QPSK	50	0	18.61	18.58	18.79	20.0	0.0	
40	QPSK	50	28	18.73	18.63	18.61			
40	QPSK	50	56	18.67	18.72	18.77			
40	QPSK	100	0	18.48	18.79	18.57			
40	15QAM	1	1	18.81	18.67	18.67	20.0	0.0	
40	64QAM	1	1	18.57	18.81	18.59			
40	256QAM	1	1	17.91	18.28	18.14			
Channel				637668	641696	645966	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655.02	3624.99	3684.99	(dBm)	(dB)	
30	QPSK	1	1	18.45	18.42	18.55	20.0	0.0	
Channel				637334	641696	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.01	3624.99	3696	(dBm)	(dB)	
20	QPSK	1	1	18.57	18.79	18.46	20.0	0.0	
Channel				637168	641696	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	3692.49	(dBm)	(dB)	
15	QPSK	1	1	18.54	18.74	18.51	20.0	0.0	
Channel				637000	641696	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3694.98	(dBm)	(dB)	
10	QPSK	1	1	18.52	18.65	18.56	20.0	0.0	

Par270 n77 Ant5 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	19.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.26	18.37	18.41			
100	PI2 BPSK	1	137	18.29	18.42	18.33			
100	PI2 BPSK	1	271	18.13	18.32	18.19	19.5	0.0	
100	PI2 BPSK	135	0	17.95	18.09	17.88			
100	PI2 BPSK	135	69	18.39	18.42	18.39			
100	PI2 BPSK	135	138	17.84	17.95	17.78			
100	PI2 BPSK	270	0	17.87	17.91	17.76	19.5	0.0	
100	QPSK	1	1	18.39	18.58	18.55			
100	QPSK	1	137	18.27	18.44	18.42			
100	QPSK	1	271	18.28	18.29	18.18			
100	QPSK	135	0	17.88	17.53	17.45	19.5	0.0	
100	QPSK	135	69	18.40	18.56	18.42			
100	QPSK	135	138	18.31	18.39	18.46			
100	QPSK	270	0	18.18	18.33	18.23			
100	15QAM	1	1	18.46	18.48	18.36	19.5	0.0	
100	64QAM	1	1	17.90	17.99	17.79			
100	256QAM	1	1	17.77	17.88	17.78			
Channel				649668	656000	662534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	18.15	17.98	18.00	19.5	0.0	
Channel				649334	656000	662968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	18.06	18.14	18.14	19.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3840	3950.01	(dBm)	(dB)	
70	QPSK	1	1	17.96	18.01	17.86	19.5	0.0	
Channel				648668	656000	663534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3955.02	(dBm)	(dB)	
60	QPSK	1	1	18.11	18.03	17.97	19.5	0.0	
Channel				648300	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3960	(dBm)	(dB)	
50	QPSK	1	1	18.10	17.95	18.03	19.5	0.0	

Part27Q n77_PC2 Ant5 Hotspot SA								
BW [MHz]	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)								
100	PI2 BPSK	1	1		18.49		19.5	0.0
100	PI2 BPSK	1	137		18.57			
100	PI2 BPSK	1	271		18.42			
100	PI2 BPSK	135	0		18.58		19.5	0.0
100	PI2 BPSK	135	69		18.55		19.5	0.0
100	PI2 BPSK	135	138		18.57		19.5	0.0
100	PI2 BPSK	270	0		18.57			
100	QPSK	1	1		18.79		19.5	0.0
100	QPSK	1	137		18.57			
100	QPSK	1	271		18.75			
100	QPSK	135	0		18.89		19.5	0.0
100	QPSK	135	69		18.71		19.5	0.0
100	QPSK	135	138		18.50		19.5	0.0
100	QPSK	270	0		18.57			
100	16QAM	1	1		18.53		19.5	0.0
100	64QAM	1	1		18.56		19.5	0.0
100	256QAM	1	1		18.58		19.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	18.11	18.06	18.08	19.5	0.0
Channel				632968	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.14	18.12	18.03	19.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.84	18.07	17.98	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.10	18.06	18.04	19.5	0.0
Channel				631968	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.99	17.98	18.06	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.12	18.01	18.04	19.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.70	17.71	17.84	19.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.10	18.11	18.04	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.01	18.00	18.00	19.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.11	18.07	18.04	19.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.94	18.01	18.11	19.5	0.0

Part27O 78 Ant5 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		18.37		19.5	0.0	
100	PI2 BPSK	1	137		18.37				
100	PI2 BPSK	1	271		18.40				
100	PI2 BPSK	135	0		18.35				
100	PI2 BPSK	135	69		18.40		19.5	0.0	
100	PI2 BPSK	135	138		18.33		19.5	0.0	
100	PI2 BPSK	270	0		18.34		19.5	0.0	
100	QPSK	1	1		18.37		19.5	0.0	
100	QPSK	1	137		17.55				
100	QPSK	1	271		18.45				
100	QPSK	135	0		18.52				
100	QPSK	135	69		18.54		19.5	0.0	
100	QPSK	135	138		18.34		19.5	0.0	
100	QPSK	270	0		18.49		19.5	0.0	
100	16QAM	1	1		18.47		19.5	0.0	
100	64QAM	1	1		18.47		19.5	0.0	
100	256QAM	1	1		18.50		19.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)		
90	QPSK	1	1		18.44	18.40	18.27	19.5	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dB)		
80	QPSK	1	1		18.51	18.38	18.44	19.5	
Channel				649334	650000	650668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)		
70	QPSK	1	1		18.45	18.37	18.36	19.5	
Channel				648668	650000	651334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dB)		
60	QPSK	1	1		18.52	18.34	18.34	19.5	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dB)		
50	QPSK	1	1		18.37	18.50	18.44	19.5	
Channel				648000	650000	652000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	1		18.41	18.52	18.37	19.5	
Channel				647668	650000	652334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dB)		
30	QPSK	1	1		18.51	18.36	18.44	19.5	
Channel				647334	650000	653000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dB)		
25	QPSK	1	1		18.33	18.52	18.31	19.5	
Channel				647334	650000	652668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)		
20	QPSK	1	1		18.33	18.35	18.42	19.5	
Channel				647168	650000	652834	Tune-up limit (dB)	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dB)		
15	QPSK	1	1		18.49	18.43	18.29	19.5	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3750	3795	(dB)		
10	QPSK	1	1		18.41	18.48	18.30	19.5	

Part27Q 78 Ant5 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		18.33		19.5	0.0	
100	PI2 BPSK	1	137		18.07				
100	PI2 BPSK	1	271		18.13				
100	PI2 BPSK	135	0		18.38				
100	PI2 BPSK	135	69		18.45		19.5	0.0	
100	PI2 BPSK	135	138		18.25		19.5	0.0	
100	PI2 BPSK	270	0		18.34		19.5	0.0	
100	QPSK	1	1		18.45		19.5	0.0	
100	QPSK	1	137		18.24				
100	QPSK	1	271		18.31				
100	QPSK	135	0		18.31				
100	QPSK	135	69		18.42		19.5	0.0	
100	QPSK	135	138		18.22		19.5	0.0	
100	QPSK	270	0		18.21		19.5	0.0	
100	16QAM	1	1		18.16		19.5	0.0	
100	64QAM	1	1		18.42		19.5	0.0	
100	256QAM	1	1		18.29		19.5	0.0	
Channel				633000	63334	633668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)		
90	QPSK	1	1		18.36	18.37	18.33	19.5	
Channel				632668	63334	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dB)		
80	QPSK	1	1		18.45	18.27	18.56	19.5	
Channel				632334	63334	634334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)		
70	QPSK	1	1		18.45	18.26	18.51	19.5	
Channel				632000	63334	634668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dB)		
60	QPSK	1	1		18.40	18.43	18.35	19.5	
Channel				631668	63334	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dB)		
50	QPSK	1	1		18.29	18.38	18.38	19.5	
Channel				631334	63334	635334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)		
40	QPSK	1	1		18.39	18.31	18.36	19.5	
Channel				631000	63334	635668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dB)		
30	QPSK	1	1		18.52	18.42	18.53	19.5	
Channel				630668	63334	635934	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	(dB)		
25	QPSK	1	1		18.31	18.22	18.47	19.5	
Channel				630668	63334	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)		
20	QPSK	1	1		18.31	18.21	18.52	19.5	
Channel				630500	63334	636168	Tune-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dB)		
15	QPSK	1	1		18.43	18.42	18.52	19.5	
Channel				630334	63334	636334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dB)		
10	QPSK	1	1		18.27	18.30	18.52	19.5	

n30 Ant6 Hotspot SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000			22.0	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1		21.38		22.0	0.0
10	PI/2 BPSK	1	26		21.32			
10	PI/2 BPSK	1	50		21.47			
10	PI/2 BPSK	25	0		21.59			
10	PI/2 BPSK	25	14		21.52		22.0	0.0
10	PI/2 BPSK	25	27		21.44		22.0	0.0
10	PI/2 BPSK	50	0		21.39		22.0	0.0
10	QPSK	1	1		21.65			
10	QPSK	1	26		21.46			
10	QPSK	1	50		21.60			
10	QPSK	25	0		21.55		22.0	0.0
10	QPSK	25	14		21.56		22.0	0.0
10	QPSK	25	27		21.41		22.0	0.0
10	QPSK	50	0		21.51		22.0	0.0
10	16QAM	1	1		21.41			
10	64QAM	1	1		21.02			
10	256QAM	1	1		19.17			
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	21.58	21.60	21.55	22.0	0.0

n41 PC2&3 Ant6 Hotspot SA									
BW [MHz]	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	22.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.50	21.34	21.31	22.0	0.0	
100	PI/2 BPSK	1	137	21.39	21.45	21.38			
100	PI/2 BPSK	1	271	21.42	21.49	21.41			
100	PI/2 BPSK	135	0	21.29	21.48	21.32			
100	PI/2 BPSK	135	69	21.37	21.34	21.18	22.0	0.0	
100	PI/2 BPSK	135	138	21.27	21.24	21.32	22.0	0.0	
100	PI/2 BPSK	270	0	21.32	21.31	21.35			
100	QPSK	1	1	21.49	21.53	21.33	22.0	0.0	
100	QPSK	1	137	21.39	21.35	21.37			
100	QPSK	1	271	21.32	21.46	21.31			
100	QPSK	135	0	21.36	21.38	21.31			
100	QPSK	135	69	21.45	21.49	21.28	22.0	0.0	
100	QPSK	135	138	21.47	21.29	21.29	22.0	0.0	
100	QPSK	270	0	21.35	21.37	21.31	22.0	0.0	
100	16QAM	1	1	21.38	21.40	21.16			
100	64QAM	1	1	21.41	21.42	21.37			
100	256QAM	1	1	21.35	21.39	21.36			
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	21.34	21.42	21.21	22.0	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	21.42	21.46	21.19	22.0	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	21.38	21.37	21.19	22.0	0.0	
Channel				505200	518598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	21.39	21.41	21.20	22.0	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2654.99	(dBm)	(dB)	
50	QPSK	1	1	21.37	21.43	21.17	22.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	21.38	21.42	21.22	22.0	0.0	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.99	(dBm)	(dB)	
30	QPSK	1	1	21.44	21.40	21.22	22.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	21.43	21.45	21.25	22.0	0.0	
Channel				500100	518598	536998	Tune-up limit	MPR	
Frequency (MHz)				2501.0	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	21.37	21.44	21.28	22.0	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	21.41	21.47	21.20	22.0	0.0	

n41_FCC PC2&PC3 Ant7 Hotspot on SA									
BW [MHz]	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	535200	21.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.17	20.21	20.26			
100	PI/2 BPSK	1	137	20.08	20.28	20.15	21.0	0.0	
100	PI/2 BPSK	1	271	20.12	20.24	20.20			
100	PI/2 BPSK	135	0	20.09	20.28	20.18			
100	PI/2 BPSK	135	69	20.08	20.29	20.24	21.0	0.0	
100	PI/2 BPSK	135	138	20.09	20.29	20.23	21.0	0.0	
100	PI/2 BPSK	270	0	20.18	20.30	20.26			
100	QPSK	1	1	20.23	20.34	20.31			
100	QPSK	1	137	20.10	20.28	20.17	21.0	0.0	
100	QPSK	1	271	20.08	20.28	20.22			
100	QPSK	135	0	20.11	20.29	20.21			
100	QPSK	135	69	20.10	20.28	20.16	21.0	0.0	
100	QPSK	135	138	20.10	20.22	20.23	21.0	0.0	
100	QPSK	270	0	20.10	20.23	20.22			
100	16QAM	1	1	20.14	20.21	20.25	21.0	0.0	
100	64QAM	1	1	20.11	20.20	20.15	21.0	0.0	
100	256QAM	1	1	20.00	20.08	19.93	21.0	0.0	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	19.89	20.09	20.14	21.0	0.0	
Channel				507204	518598	527998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	19.93	20.07	20.03	21.0	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	19.93	20.11	20.05	21.0	0.0	
Channel				505200	518598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2658.98	(dBm)	(dB)	
60	QPSK	1	1	19.97	20.10	20.07	21.0	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2659.99	(dBm)	(dB)	
50	QPSK	1	1	19.98	20.04	20.08	21.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	19.93	20.08	20.07	21.0	0.0	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.99	(dBm)	(dB)	
30	QPSK	1	1	19.98	20.05	20.08	21.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	19.92	20.13	20.05	21.0	0.0	
Channel				500700	518598	536998	Tune-up limit	MPR	
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	19.91	20.04	20.03	21.0	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	19.90	20.11	20.10	21.0	0.0	



n41_FCC PC2&PC3 Ant8 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PQ2 BPSK	1	1	19.51	19.45	19.46	20.8	0.0	
100	PQ2 BPSK	1	137	19.50	19.52	19.46			
100	PQ2 BPSK	1	271	19.48	19.54	19.42			
100	PQ2 BPSK	135	0	19.45	19.48	19.45	20.8	0.0	
100	PQ2 BPSK	135	69	19.49	19.54	19.39	20.8	0.0	
100	PQ2 BPSK	135	138	19.44	19.52	19.44	20.8	0.0	
100	PQ2 BPSK	270	0	19.50	19.48	19.40	20.8	0.0	
100	QPSK	1	1	19.64	19.66	19.62			
100	QPSK	1	137	19.49	19.47	19.40			
100	QPSK	1	271	19.49	19.49	19.46	20.8	0.0	
100	QPSK	135	0	19.49	19.47	19.38			
100	QPSK	135	69	19.55	19.55	19.49			
100	QPSK	135	138	19.44	19.55	19.38	20.8	0.0	
100	QPSK	270	0	19.41	19.44	19.38	20.8	0.0	
100	15QAM	1	1	19.45	19.46	19.48			
100	64QAM	1	1	19.53	19.52	19.46			
100	256QAM	1	1	19.48	19.48	19.40	20.8	0.0	
Channel				508000	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	QPSK	1	1	19.37	19.47	19.45	20.8	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)		
80	QPSK	1	1	19.33	19.53	19.46	20.8	0.0	
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665	(dB)		
70	QPSK	1	1	19.37	19.54	19.37	20.8	0.0	
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	QPSK	1	1	19.36	19.47	19.41	20.8	0.0	
Channel				510204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)		
50	QPSK	1	1	19.35	19.49	19.46	20.8	0.0	
Channel				510202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	QPSK	1	1	19.34	19.49	19.48	20.8	0.0	
Channel				510200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	19.41	19.57	19.38	20.8	0.0	
Channel				510204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	QPSK	1	1	19.44	19.48	19.47	20.8	0.0	
Channel				510700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2682.48	(dB)		
15	QPSK	1	1	19.43	19.49	19.40	20.8	0.0	
Channel				510902	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	(dB)		
10	QPSK	1	1	19.38	19.55	19.43	20.8	0.0	

n48 Ant8 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				630000	641696	646532			
Frequency (MHz)				3570	3624.99	3679.98			
40	PQ2 BPSK	1	1	14.34	14.27	14.18	16.0		0.0
40	PQ2 BPSK	1	53	14.23	14.15	14.19			
40	PQ2 BPSK	1	104	14.13	14.27	14.10			
40	PQ2 BPSK	50	0	14.25	14.33	14.20	16.0		0.0
40	PQ2 BPSK	50	28	14.17	14.15	14.14	16.0		0.0
40	PQ2 BPSK	50	56	14.21	14.28	14.18	16.0		0.0
40	PQ2 BPSK	100	0	14.27	14.22	14.24			
40	QPSK	1	1	14.33	14.45	14.21			
40	QPSK	1	53	14.33	14.29	14.21	16.0		0.0
40	QPSK	1	104	14.26	14.44	14.28	16.0		0.0
40	QPSK	50	0	14.37	14.22	14.28			
40	QPSK	50	28	14.17	14.33	14.19			
40	QPSK	50	56	14.27	14.28	14.32	16.0		0.0
40	QPSK	100	0	14.18	14.29	14.22			
40	16QAM	1	1	14.12	14.38	14.06			
40	64QAM	1	1	14.27	14.12	14.16	16.0		0.0
40	256QAM	1	1	14.24	14.15	14.28	16.0		0.0
Channel				637668	641696	645966	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3665.02	3624.99	3684.99	(dbm)		
30	QPSK	1	1	14.28	14.33	14.00	-6.0		0.0
Channel				637334	641696	646000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3660.01	3624.99	3690	(dbm)		
20	QPSK	1	1	14.20	14.35	14.08	-6.0		0.0
Channel				637168	641696	646166	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3657.52	3624.99	3692.49	(dbm)		
15	QPSK	1	1	14.25	14.36	14.15	16.0		0.0
Channel				637000	641696	646332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3655	3624.99	3694.98	(dbm)		
10	QPSK	1	1	14.18	14.25	14.32	16.0		0.0

Part270 n77_Ant8 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				650000	650000	665000			
Frequency (MHz)				3750	3840	3930			
100	PQ2 BPSK	1	1	9.13	9.25	9.06	10.0	0.0	
100	PQ2 BPSK	1	137	9.27	9.13	9.18			
100	PQ2 BPSK	1	271	8.88	9.22	9.08			
100	PQ2 BPSK	135	0	9.11	9.31	9.09	10.0	0.0	
100	PQ2 BPSK	135	69	9.09	8.98	8.99	10.0	0.0	
100	PQ2 BPSK	135	138	9.20	9.19	9.13	10.0	0.0	
100	PQ2 BPSK	270	0	9.14	9.03	9.20			
100	QPSK	1	1	9.23	9.43	9.24			
100	QPSK	1	137	9.18	9.25	9.03	10.0	0.0	
100	QPSK	1	271	9.13	9.37	9.21			
100	QPSK	135	0	9.14	9.21	9.09			
100	QPSK	135	69	9.12	9.34	9.10	10.0	0.0	
100	QPSK	135	138	9.08	9.15	9.27	10.0	0.0	
100	QPSK	270	0	9.13	9.25	9.22			
100	16QAM	1	1	8.90	9.40	9.09			
100	64QAM	1	1	9.14	8.97	9.22	10.0	0.0	
100	256QAM	1	1	9.26	9.10	9.05	10.0	0.0	
Channel				649668	650000	662534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)		
90	QPSK	1	1	9.22	9.25	9.04	10.0	0.0	
Channel				649334	650000	662968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)		
80	QPSK	1	1	9.26	9.32	9.08	10.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.01	3840	3945	(dBm)		
70	QPSK	1	1	9.15	9.26	9.07	10.0	0.0	
Channel				648668	650000	663534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)		
60	QPSK	1	1	9.20	9.38	8.95	10.0	0.0	
Channel				648334	650000	663968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)		
50	QPSK	1	1	9.11	9.31	9.10	10.0	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dBm)		
40	QPSK	1	1	9.17	9.30	8.97	10.0	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dBm)		
30	QPSK	1	1	9.11	9.20	9.05	10.0	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)		
25	QPSK	1	1	9.11	9.33	8.99	10.0	0.0	
Channel				647354	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)		
20	QPSK	1	1	9.19	9.37	9.00	10.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)		
15	QPSK	1	1	9.13	9.38	9.12	10.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dBm)		
10	QPSK	1	1	9.19	9.21	9.02	10.0	0.0	

Part27Q n77_PC2 Ant8 Hotspot SA								
BW [MHz]	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			10.0	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		9.07			
100	PI2 BPSK	1	137		8.84			
100	PI2 BPSK	1	271		9.15			
100	PI2 BPSK	135	0		9.10		10.0	0.0
100	PI2 BPSK	135	69		8.58		10.0	0.0
100	PI2 BPSK	135	138		8.73		10.0	0.0
100	PI2 BPSK	270	0		9.12			
100	QPSK	1	1		9.43			
100	QPSK	1	137		9.10		10.0	0.0
100	QPSK	1	271		9.35			
100	QPSK	135	0		9.08		10.0	0.0
100	QPSK	135	69		9.13		10.0	0.0
100	QPSK	135	138		9.09		10.0	0.0
100	QPSK	270	0		9.09			
100	16QAM	1	1		9.08		10.0	0.0
100	64QAM	1	1		8.72		10.0	0.0
100	256QAM	1	1		9.03		10.0	0.0
Channel				633600	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	9.11	8.99	8.76	10.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	9.04	8.99	8.73	10.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	9.22	8.91	8.80	10.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	9.10	8.97	8.82	10.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	9.11	9.02	8.75	10.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	9.17	8.99	8.84	10.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	9.10	8.99	8.72	10.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	9.17	8.90	8.80	10.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	9.22	8.98	8.77	10.0	0.0
Channel				630600	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	9.11	9.10	8.79	10.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	9.14	8.91	8.75	10.0	0.0

Part27O n78_Ant8 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		9.42		10.0	0.0	
100	PI2 BPSK	1	137		8.91				
100	PI2 BPSK	1	271		9.18		10.0	0.0	
100	PI2 BPSK	135	0		9.31				
100	PI2 BPSK	135	69		8.85		10.0	0.0	
100	PI2 BPSK	135	138		9.19		10.0	0.0	
100	PI2 BPSK	270	0		8.92		10.0	0.0	
100	QPSK	1	1		9.33				
100	QPSK	1	137		9.24			10.0	0.0
100	QPSK	1	271		9.29			10.0	0.0
100	QPSK	135	0		9.26			10.0	0.0
100	QPSK	135	69		9.34			10.0	0.0
100	QPSK	135	138		9.24			10.0	0.0
100	QPSK	270	0		9.29			10.0	0.0
100	16QAM	1	1		9.41			10.0	0.0
100	64QAM	1	1		8.80			10.0	0.0
100	256QAM	1	1		8.95			10.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123		9.23	9.29	9.04	10.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109		9.17	9.35	8.97	10.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95		9.24	9.21	8.97	10.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81		9.12	9.29	9.04	10.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67		9.25	9.20	9.14	10.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53		9.12	9.29	8.97	10.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	39		9.18	9.26	9.13	10.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	32		9.23	9.25	9.05	10.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26		9.28	9.28	9.11	10.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19		9.12	9.19	9.03	10.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12		9.14	9.24	9.01	10.0	0.0

Part27Q 78_Ant8 Hotspot SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		8.90		10.0	0.0	
100	PI2 BPSK	1	137		8.90				
100	PI2 BPSK	1	271		9.42		10.0	0.0	
100	PI2 BPSK	135	0		9.25				
100	PI2 BPSK	135	69		8.67		10.0	0.0	
100	PI2 BPSK	135	138		8.92		10.0	0.0	
100	PI2 BPSK	270	0		9.05		10.0	0.0	
100	QPSK	1	1		9.40				
100	QPSK	1	137		9.03				
100	QPSK	1	271		9.31		10.0	0.0	
100	QPSK	135	0		9.02				
100	QPSK	135	69		9.05		10.0	0.0	
100	QPSK	135	138		8.98		10.0	0.0	
100	QPSK	270	0		8.93		10.0	0.0	
100	16QAM	1	1		9.23		10.0	0.0	
100	64QAM	1	1		9.78		10.0	0.0	
100	256QAM	1	1		9.90		10.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		9.06	8.89	8.85	10.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		8.99	8.83	8.65	10.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	95		9.09	8.90	8.66	10.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		9.14	8.99	8.66	10.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		9.05	8.90	8.68	10.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		8.94	8.86	8.80	10.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	39		9.15	9.00	8.77	10.0	0.0
Channel				630668	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)	
25	QPSK	1	32		8.99	8.91	8.79	10.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		9.03	8.94	8.91	10.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		8.96	8.97	8.70	10.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		8.96	8.89	8.76	10.0	0.0



n2 Ant0 Sensor on SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				376000	376000	376000	18.0	0.0
Frequency (MHz)				1870	1880	1880		
40	PI2 BPSK	1	1	17.25	17.17	17.22	18.0	0.0
40	PI2 BPSK	1	108	17.12	17.27	17.07		
40	PI2 BPSK	1	214	17.15	17.15	17.10	18.0	0.0
40	PI2 BPSK	108	0	17.22	17.27	17.18	18.0	0.0
40	PI2 BPSK	108	54	17.23	17.36	17.28	18.0	0.0
40	PI2 BPSK	108	108	17.26	17.25	17.23	18.0	0.0
40	PI2 BPSK	216	0	17.20	17.21	17.25	18.0	0.0
40	QPSK	1	1	17.37	17.41	17.23		
40	QPSK	1	108	17.17	17.27	17.26	18.0	0.0
40	QPSK	1	214	17.26	17.14	17.26	18.0	0.0
40	QPSK	108	0	17.22	17.14	17.13		
40	QPSK	108	54	17.25	17.33	17.26	18.0	0.0
40	QPSK	108	108	17.25	17.19	17.29	18.0	0.0
40	QPSK	216	0	17.25	17.33	17.30	18.0	0.0
40	16QAM	1	1	17.24	17.21	17.26		
40	64QAM	1	1	17.23	17.17	17.14	18.0	0.0
40	256QAM	1	1	17.27	17.29	17.24	18.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895	18.0	0.0
30	QPSK	1	1	17.25	17.16	17.00		
Channel				372500	375000	375000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5	18.0	0.0
25	QPSK	1	1	17.28	17.22	16.99		
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905	18.0	0.0
20	QPSK	1	1	17.25	17.18	17.13		
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	18.0	0.0
15	QPSK	1	1	17.21	17.20	17.14		
Channel				371000	375000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905	18.0	0.0
10	QPSK	1	1	17.22	17.32	17.14		
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1897.5	18.0	0.0
5	QPSK	1	1	17.21	17.22	17.03	18.0	0.0

n25 Ant0 Sensor on SA								
BW [MHz]	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	18.0	0.0
Frequency (MHz)				1870	1882.5	1896		
40	PI2 BPSK	1	1	17.13	17.12	17.16	18.0	0.0
40	PI2 BPSK	1	108	17.01	17.20	16.92		
40	PI2 BPSK	1	214	17.06	17.09	17.11	18.0	0.0
40	PI2 BPSK	108	0	17.17	17.21	17.08	18.0	0.0
40	PI2 BPSK	108	54	17.14	17.23	17.12	18.0	0.0
40	PI2 BPSK	108	108	17.21	17.14	17.16	18.0	0.0
40	PI2 BPSK	216	0	17.09	17.06	17.16	18.0	0.0
40	QPSK	1	1	17.24	17.29	17.14		
40	QPSK	1	108	17.06	17.13	17.19	18.0	0.0
40	QPSK	1	214	17.10	17.05	17.17	18.0	0.0
40	QPSK	108	0	17.11	17.00	17.04		
40	QPSK	108	54	17.20	17.26	17.17	18.0	0.0
40	QPSK	108	108	17.13	17.13	17.19	18.0	0.0
40	QPSK	216	0	17.14	17.25	17.29	18.0	0.0
40	16QAM	1	1	17.12	17.16	17.20		
40	64QAM	1	1	17.08	17.02	16.99	18.0	0.0
40	256QAM	1	1	17.19	17.25	17.11	18.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900	18.0	0.0
30	QPSK	1	1	17.09	17.22	17.03		
Channel				372500	375500	375500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5	18.0	0.0
25	QPSK	1	1	17.19	17.20	17.04		
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1902	18.0	0.0
20	QPSK	1	1	17.09	17.14	17.00		
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5	18.0	0.0
15	QPSK	1	1	17.13	17.19	17.05		
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910	18.0	0.0
10	QPSK	1	1	17.12	17.13	17.01		
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5	18.0	0.0
5	QPSK	1	1	17.13	17.17	16.98	18.0	0.0

n66 Ant0 Sensor on SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	19.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	18.09	18.16	18.26	19.0	0.0
40	PI2 BPSK	1	108	18.31	18.30	18.16		
40	PI2 BPSK	1	214	18.07	18.27	18.26	19.0	0.0
40	PI2 BPSK	108	0	18.17	18.17	18.11	19.0	0.0
40	PI2 BPSK	108	54	18.27	18.30	18.21	19.0	0.0
40	PI2 BPSK	108	108	18.12	18.21	18.23	19.0	0.0
40	PI2 BPSK	216	0	18.16	18.17	18.10	19.0	0.0
40	QPSK	1	1	18.20	18.36	18.26		
40	QPSK	1	108	18.00	18.16	18.21	19.0	0.0
40	QPSK	1	214	18.04	18.23	18.16	19.0	0.0
40	QPSK	108	0	18.18	18.31	18.18		
40	QPSK	108	54	18.14	18.34	18.02	19.0	0.0
40	QPSK	108	108	18.07	18.23	18.22	19.0	0.0
40	QPSK	216	0	18.05	18.27	18.09	19.0	0.0
40	16QAM	1	1	18.24	18.31	18.11		
40	64QAM	1	1	18.30	18.28	18.16	19.0	0.0
40	256QAM	1	1	18.18	18.20	18.22	19.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	19.0	0.0
30	PI2 BPSK	1	1	17.89	18.30	18.23		
Channel				344000	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1772.5	19.0	0.0
25	PI2 BPSK	1	1	17.94	18.10	18.06		
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1774	19.0	0.0
20	256QAM	1	1	18.00	18.23	18.18		
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	19.0	0.0
15	QPSK	1	1	18.07	18.19	18.13		
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	19.0	0.0
10	QPSK	1	1	17.98	18.18	18.16		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	19.0	0.0
5	QPSK	1	1	17.96	18.29	18.08	19.0	0.0

n70 Ant0 Sensor on SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				340000	340500		19.0	0.0
Frequency (MHz)					1702.5			
15	PI2 BPSK	1	1		18.24		19.0	0.0
15	PI2 BPSK	1	40		18.38			
15	PI2 BPSK	1	77		18.23			
15	PI2 BPSK	36	0		18.23		19.0	0.0
15	PI2 BPSK	36	22		18.39		19.0	0.0
15	PI2 BPSK	36	43		18.29		19.0	0.0
15	PI2 BPSK	75	0		18.41			
15	QPSK	1	1		18.46		19.0	0.0
15	QPSK	1	40		18.45			
15	QPSK	1	77		17.91			
15	QPSK	36	0		18.34		19.0	0.0
15	QPSK	36	22		18.39		19.0	0.0
15	QPSK	36	43		18.28		19.0	0.0
15	QPSK	75	0		18.32			
15	16QAM	1	1		18.24		19.0	0.0
15	64QAM	1	1		18.34		19.0	0.0
15	256QAM	1	1		18.36		19.0	0.0
Channel				340000	340500	341000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	18.28	18.34	18.32	19.0	0.0
Channel				339500	339500	341500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	18.29	18.25	18.27	19.0	0.0



n2 Ant0 Sensor on SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				376000	376000	376000	17.5	0.0
Frequency (MHz)				1870	1880	1880		
40	PI2 BPSK	1	1	16.57	16.55	16.65	17.5	0.0
40	PI2 BPSK	1	108	16.57	16.72	16.52		
40	PI2 BPSK	1	214	16.49	16.67	16.61	17.5	0.0
40	PI2 BPSK	108	0	16.58	16.64	16.62		
40	PI2 BPSK	108	54	16.64	16.65	16.59	17.5	0.0
40	PI2 BPSK	108	108	16.45	16.71	16.54		
40	PI2 BPSK	216	0	16.55	16.59	16.60	17.5	0.0
40	QPSK	1	1	16.68	16.76	16.71		
40	QPSK	1	108	16.59	16.61	16.68	17.5	0.0
40	QPSK	1	214	16.45	16.65	16.56		
40	QPSK	108	0	16.60	16.69	16.58	17.5	0.0
40	QPSK	108	54	16.57	16.74	16.59		
40	QPSK	108	108	16.50	16.61	16.71	17.5	0.0
40	QPSK	216	0	16.52	16.72	16.48		
40	16QAM	1	1	16.53	16.63	16.50	17.5	0.0
40	64QAM	1	1	16.49	16.62	16.60		
40	256QAM	1	1	16.55	16.65	16.61	17.5	0.0
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895	17.5	0.0
30	QPSK	1	1	16.45	16.56	16.53		
Channel				372000	376000	380000	17.5	0.0
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	16.51	16.49	16.56	17.5	0.0
Channel				372000	376500	381000		
Frequency (MHz)				1860	1882.5	1905	17.5	0.0
20	QPSK	1	1	16.54	16.57	16.54		
Channel				371500	376000	380500	17.5	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	16.46	16.53	16.55	17.5	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905	17.5	0.0
10	QPSK	1	1	16.54	16.55	16.57		
Channel				370500	376000	381500	17.5	0.0
Frequency (MHz)				1852.5	1880	1897.5		
5	QPSK	1	1	16.50	16.50	16.43	17.5	0.0

n25 Ant1 Sensor on SA								
BW [MHz]	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	17.5	0.0
Frequency (MHz)				1870	1882.5	1896		
40	PI2 BPSK	1	1	16.60	16.61	16.63	17.5	0.0
40	PI2 BPSK	1	108	16.59	16.68	16.49		
40	PI2 BPSK	1	214	16.43	16.63	16.56	17.5	0.0
40	PI2 BPSK	108	0	16.54	16.66	16.68		
40	PI2 BPSK	108	54	16.67	16.59	16.56	17.5	0.0
40	PI2 BPSK	108	108	16.49	16.74	16.57		
40	PI2 BPSK	216	0	16.57	16.56	16.61	17.5	0.0
40	QPSK	1	1	16.71	16.79	16.65		
40	QPSK	1	108	16.56	16.58	16.73	17.5	0.0
40	QPSK	1	214	16.48	16.64	16.53		
40	QPSK	108	0	16.58	16.71	16.61	17.5	0.0
40	QPSK	108	54	16.51	16.76	16.62		
40	QPSK	108	108	16.49	16.55	16.64	17.5	0.0
40	QPSK	216	0	16.53	16.65	16.47		
40	16QAM	1	1	16.52	16.62	16.52	17.5	0.0
40	64QAM	1	1	16.50	16.65	16.62		
40	256QAM	1	1	16.58	16.60	16.57	17.5	0.0
Channel				373000	376500	380000		
Frequency (MHz)				1865	1882.5	1900	17.5	0.0
30	QPSK	1	1	16.62	16.74	16.56		
Channel				372000	376500	380500	17.5	0.0
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	16.65	16.71	16.57	17.5	0.0
Channel				372000	376500	381000		
Frequency (MHz)				1860	1882.5	1905	17.5	0.0
20	QPSK	1	1	16.62	16.64	16.57		
Channel				371500	376500	381500	17.5	0.0
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	16.62	16.69	16.54	17.5	0.0
Channel				371000	376500	382000		
Frequency (MHz)				1855	1882.5	1910	17.5	0.0
10	QPSK	1	1	16.61	16.73	16.50		
Channel				370500	376500	382500	17.5	0.0
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	16.59	16.68	16.56	17.5	0.0

n66 Ant1 Sensor on SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	20.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	19.42	19.40	19.56	20.0	0.0
40	PI2 BPSK	1	108	19.45	19.63	19.48		
40	PI2 BPSK	1	214	19.34	19.57	19.52	20.0	0.0
40	PI2 BPSK	108	0	19.47	19.58	19.54		
40	PI2 BPSK	108	54	19.50	19.59	19.52	20.0	0.0
40	PI2 BPSK	108	108	19.39	19.66	19.46		
40	PI2 BPSK	216	0	19.39	19.50	19.55	20.0	0.0
40	QPSK	1	1	19.58	19.68	19.56		
40	QPSK	1	108	19.51	19.45	19.53	20.0	0.0
40	QPSK	1	214	19.37	19.50	19.47		
40	QPSK	108	0	19.52	19.57	19.44	20.0	0.0
40	QPSK	108	54	19.51	19.67	19.50		
40	QPSK	108	108	19.37	19.49	19.60	20.0	0.0
40	QPSK	216	0	19.46	19.63	19.43		
40	16QAM	1	1	19.39	19.48	19.40	20.0	0.0
40	64QAM	1	1	19.41	19.54	19.46		
40	256QAM	1	1	19.59	19.04	19.00	19.5	0.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765	20.0	0.0
30	PI2 BPSK	1	1	19.46	19.54	19.42		
Channel				344000	349000	355000	20.0	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	PI2 BPSK	1	1	19.51	19.58	19.42	20.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770	20.0	0.0
20	256QAM	1	1	19.52	19.61	19.49		
Channel				343000	349000	354500	20.0	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.45	19.59	19.48	20.0	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775	20.0	0.0
10	QPSK	1	1	19.46	19.63	19.46		
Channel				342500	349000	355500	20.0	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.45	19.56	19.44	20.0	0.0

n70 Ant1 Sensor on SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				340000			20.5	0.0
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1		19.27		20.5	0.0
15	PI2 BPSK	1	40		19.48			
15	PI2 BPSK	1	77		19.50			
15	PI2 BPSK	36	0		19.49		20.5	0.0
15	PI2 BPSK	36	22		19.48		20.5	0.0
15	PI2 BPSK	36	43		19.57		20.5	0.0
15	PI2 BPSK	75	0		19.38			
15	QPSK	1	1		19.53		20.5	0.0
15	QPSK	1	40		19.30			
15	QPSK	1	77		19.36			
15	QPSK	36	0		19.51		20.5	0.0
15	QPSK	36	22		19.56		20.5	0.0
15	QPSK	36	43		19.47		20.5	0.0
15	QPSK	75	0		19.52			
15	16QAM	1	1		19.42		20.5	0.0
15	64QAM	1	1		19.46		20.5	0.0
15	256QAM	1	1		19.36		19.5	1.0
Channel				340000	340500	341000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	19.55	19.51	19.53	20.5	0.0
Channel				339500	339500	341500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	19.50	19.47	19.48	20.5	0.0



n48 Ant3 Sensor on SA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				630000	641666	646332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI2 BPSK	1	1	17.55	17.70	17.52		
40	PI2 BPSK	1	50	17.69	17.76	17.45	19.0	0.0
40	PI2 BPSK	1	104	17.63	17.74	17.45		
40	PI2 BPSK	50	0	17.70	17.76	17.56	19.0	0.0
40	PI2 BPSK	50	28	17.60	17.71	17.38	19.0	0.0
40	PI2 BPSK	50	56	17.70	17.71	17.62		
40	PI2 BPSK	100	0	17.56	17.59	17.44	19.0	0.0
40	QPSK	1	1	17.68	17.75	17.66		
40	QPSK	1	53	17.61	17.64	17.52	19.0	0.0
40	QPSK	1	104	17.62	17.62	17.49		
40	QPSK	50	0	17.67	17.62	17.44	19.0	0.0
40	QPSK	50	28	17.55	17.73	17.45	19.0	0.0
40	QPSK	50	56	17.63	17.61	17.56		
40	QPSK	100	0	17.59	17.65	17.51	19.0	0.0
40	15QAM	1	1	16.59	17.67	17.46	19.0	0.0
40	64QAM	1	1	17.49	17.71	17.54	19.0	0.0
40	256QAM	1	1	17.28	17.42	17.33	19.0	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3694.99		
30	QPSK	1	1	17.63	17.69	17.60	19.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	17.57	17.66	17.62	19.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.57	3624.99	3692.69		
15	QPSK	1	1	17.54	17.58	17.61	19.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	17.62	17.71	17.59	19.0	0.0

Part270 n77 PC2&PC3_Ant3 Sensor on SA

BW [MHz]	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	3930		
100	PI2 BPSK	1	1	16.10	16.06	16.23		
100	PI2 BPSK	1	137	16.10	16.14	15.91	17.5	0.0
100	PI2 BPSK	1	271	15.96	16.13	16.00		
100	PI2 BPSK	135	0	16.17	16.09	16.09	17.5	0.0
100	PI2 BPSK	135	69	16.21	16.10	16.03	17.5	0.0
100	PI2 BPSK	135	138	15.94	16.20	16.04		
100	PI2 BPSK	270	0	15.96	16.09	16.06	17.5	0.0
100	QPSK	1	1	16.23	16.30	16.14		
100	QPSK	1	137	16.15	16.09	16.11	17.5	0.0
100	QPSK	1	271	15.99	16.17	16.06		
100	QPSK	135	0	16.11	16.16	16.08	17.5	0.0
100	QPSK	135	69	16.05	16.21	16.08	17.5	0.0
100	QPSK	135	138	16.11	16.20	16.20		
100	QPSK	270	0	15.95	16.17	15.94	17.5	0.0
100	15QAM	1	1	16.09	16.17	15.99	17.5	0.0
100	64QAM	1	1	16.06	16.14	16.06	17.5	0.0
100	256QAM	1	1	15.96	16.10	16.04	17.5	0.0
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.10	16.19	16.09	17.5	0.0
Channel				649334	650000	662068	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.19	16.24	15.98	17.5	0.0
Channel				648000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3944		
70	QPSK	1	1	16.16	16.17	16.05	17.5	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.09	16.22	16.04	17.5	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.12	16.25	16.02	17.5	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.18	16.19	15.99	17.5	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.16	16.18	16.02	17.5	0.0
Channel				647300	650000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.09	16.15	16.01	17.5	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.19	16.17	16.07	17.5	0.0
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.12	16.14	16.02	17.5	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.63	16.74	16.52	17.5	0.0

Part27Q n77 PC2&PC3_Ant3 Sensor on SA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				630000	633334	6350.01		
Frequency (MHz)								
100	PI2 BPSK	1	1		16.25			
100	PI2 BPSK	1	137		16.39		17.5	0.0
100	PI2 BPSK	1	271		16.26			
100	PI2 BPSK	135	0		16.21		17.5	0.0
100	PI2 BPSK	135	69		16.39		17.5	0.0
100	PI2 BPSK	135	138		16.32			
100	PI2 BPSK	270	0		16.37		17.5	0.0
100	QPSK	1	1		16.68			
100	QPSK	1	137		16.51		17.5	0.0
100	QPSK	1	271		16.31			
100	QPSK	135	0		16.35		17.5	0.0
100	QPSK	135	69		16.50			
100	QPSK	135	138		16.19		17.5	0.0
100	QPSK	270	0		16.45			
100	15QAM	1	1		16.24		17.5	0.0
100	64QAM	1	1		16.39		17.5	0.0
100	256QAM	1	1		16.40		17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.54	16.63	16.59	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.65	16.65	16.58	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.54	16.57	16.56	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.59	16.61	16.63	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.58	16.54	16.57	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.62	16.64	16.56	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.62	16.64	16.62	17.5	0.0
Channel				630634	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.01		
25	QPSK	1	1	16.59	16.61	16.54	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.58	16.64	16.60	17.5	0.0
Channel				630600	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.56	16.57	16.56	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.65	16.65	16.57	17.5	0.0

Part27O 78 Ant3 Sensor on SA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000			17.5	0.0
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		15.70			
100	PI2 BPSK	1	137		15.82			
100	PI2 BPSK	1	221		15.84			
100	PI2 BPSK	135	0		15.78		17.5	0.0
100	PI2 BPSK	135	69		15.81		17.5	0.0
100	PI2 BPSK	135	138		15.69		17.5	0.0
100	PI2 BPSK	270	0		15.58		17.5	0.0
100	QPSK	1	1		15.85			
100	QPSK	1	137		15.84		17.5	0.0
100	QPSK	1	271		15.56			
100	QPSK	135	0		15.88		17.5	0.0
100	QPSK	135	69		15.22		17.5	0.0
100	QPSK	135	138		15.58		17.5	0.0
100	QPSK	270	0		15.55		17.5	0.0
100	16QAM	1	1		15.54		17.5	0.0
100	64QAM	1	1		15.74		17.5	0.0
100	256QAM	1	1		15.59		17.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1		15.79	15.70	15.71	17.5 0.0
Channel				849334	850000	850668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1		15.82	15.72	15.62	17.5 0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1		15.85	15.82	15.70	17.5 0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1		15.79	15.84	15.57	17.5 0.0
Channel				849334	850000	851068	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1		15.71	15.60	15.78	17.5 0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1		15.72	15.87	15.83	17.5 0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1		15.68	15.60	15.68	17.5 0.0
Channel				847990	850000	853000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1		15.82	15.78	15.70	17.5 0.0
Channel				847334	850000	852668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1		15.71	15.89	15.86	17.5 0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1		15.72	15.82	15.73	17.5 0.0
Channel				847090	850000	853000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1		15.73	15.78	15.62	17.5 0.0

Part27Q 78 Ant3 Sensor on SA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334			17.5	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		15.82			
100	PI2 BPSK	1	137		15.78			
100	PI2 BPSK	1	221		15.54			
100	PI2 BPSK	135	0		15.67		17.5	0.0
100	PI2 BPSK	135	69		15.86		17.5	0.0
100	PI2 BPSK	135	138		15.57		17.5	0.0
100	PI2 BPSK	270	0		15.85		17.5	0.0
100	QPSK	1	1		15.85			
100	QPSK	1	137		15.54		17.5	0.0
100	QPSK	1	271		15.55			
100	QPSK	135	0		15.71		17.5	0.0
100	QPSK	135	69		15.70		17.5	0.0
100	QPSK	135	138		15.69		17.5	0.0
100	QPSK	270	0		15.65		17.5	0.0
100	16QAM	1	1		15.59		17.5	0.0
100	64QAM	1	1		15.70		17.5	0.0
100	256QAM	1	1		15.58		17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1		15.68	15.57	15.54	17.5 0.0
Channel				832668	833334	834000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1		15.69	15.58	15.65	17.5 0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1		15.68	15.55	15.68	17.5 0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1		15.65	15.66	15.61	17.5 0.0
Channel				831998	833334	835000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1		15.70	15.53	15.60	17.5 0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1		15.55	15.63	15.64	17.5 0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1		15.52	15.55	15.70	17.5 0.0
Channel				830934	833334	835834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1		15.53	15.51	15.58	17.5 0.0
Channel				830668	833334	836000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1		15.69	15.68	15.53	17.5 0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1		15.67	15.69	15.60	17.5 0.0
Channel				830334	833334	836334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1		15.59	15.58	15.59	17.5 0.0



n48 Ant4 Sensor on SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dbi)	
Channel				636000	641666	646332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	14.88	15.01	14.88	16.7	0.0	
40	PI2 BPSK	1	50	14.87	14.99	14.85			
40	PI2 BPSK	1	104	14.87	14.98	14.82			
40	PI2 BPSK	50	0	14.88	14.94	14.89	16.7	0.0	
40	PI2 BPSK	50	28	14.83	15.06	14.90	16.7	0.0	
40	PI2 BPSK	50	58	14.82	15.02	14.86	16.7	0.0	
40	PI2 BPSK	100	0	14.86	15.04	14.95	16.7	0.0	
40	QPSK	1	1	14.84	15.07	15.05			
40	QPSK	1	53	14.86	14.99	14.89			
40	QPSK	1	104	14.86	15.06	14.89	16.7	0.0	
40	QPSK	50	0	14.88	15.06	14.87			
40	QPSK	50	28	14.83	15.03	14.83			
40	QPSK	50	58	14.88	14.97	14.94	16.7	0.0	
40	QPSK	100	0	14.79	14.95	14.88	16.7	0.0	
40	15QAM	1	1	14.84	15.02	14.89			
40	64QAM	1	1	14.82	15.03	14.86			
40	256QAM	1	1	14.85	14.99	14.91	16.7	0.0	
Channel				637668	641666	645666	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	14.79	14.89	14.97	16.7	0.0	
Channel				637334	641666	646000	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3560.01	3624.99	3680			
20	QPSK	1	1	14.77	15.00	14.92	16.7	0.0	
Channel				637168	641666	646166	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3557.52	3624.99	3692.49			
15	QPSK	1	1	14.85	15.05	14.97	16.7	0.0	
Channel				637000	641666	646332	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	14.77	15.06	14.99	16.7	0.0	

Part270 n77_Ant4 Sensor on SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.35	18.33	18.32	19.5	0.0	
100	PI2 BPSK	1	137	18.29	18.32	18.41			
100	PI2 BPSK	1	271	18.32	18.42	18.27			
100	PI2 BPSK	135	0	18.22	18.46	18.30	19.5	0.0	
100	PI2 BPSK	135	69	18.41	18.50	18.35	19.5	0.0	
100	PI2 BPSK	135	138	18.37	18.47	18.31	19.5	0.0	
100	PI2 BPSK	270	0	18.33	18.55	18.35			
100	QPSK	1	1	18.36	18.57	18.34			
100	QPSK	1	137	18.35	18.43	18.38	19.5	0.0	
100	QPSK	1	271	18.36	18.42	18.43			
100	QPSK	135	0	18.28	18.30	18.45	19.5	0.0	
100	QPSK	135	69	18.29	18.52	18.39	19.5	0.0	
100	QPSK	135	138	18.21	18.37	18.40	19.5	0.0	
100	QPSK	270	0	18.31	18.50	18.37			
100	16QAM	1	1	18.44	18.36	18.44			
100	64QAM	1	1	18.37	18.44	18.34	19.5	0.0	
100	256QAM	1	1	18.27	18.35	18.25	19.5	0.0	
Channel				648668	650000	662334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.24	18.41	18.23	19.5	0.0	
Channel				648334	650000	662668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.21	18.52	18.29	19.5	0.0	
Channel				648000	650000	663000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3735.02	3840	3945			
70	QPSK	1	1	18.26	18.45	18.26	19.5	0.0	
Channel				648334	650000	663334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3748.04	3840	3950.01			
60	QPSK	1	1	18.26	18.45	18.30	19.5	0.0	
Channel				648334	650000	663068	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.31	18.51	18.25	19.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720.02	3840	3960			
40	QPSK	1	1	18.29	18.49	18.27	19.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.23	18.50	18.23	19.5	0.0	
Channel				647334	650000	664500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	18.29	18.44	18.28	19.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.28	18.47	18.29	19.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.23	18.43	18.27	19.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.29	18.53	18.29	19.5	0.0	

Part270Q n77_Ant4 Sensor on SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		18.45		19.5	0.0	
100	PI2 BPSK	1	137		18.44				
100	PI2 BPSK	1	271		18.60				
100	PI2 BPSK	135	0		18.58		19.5	0.0	
100	PI2 BPSK	135	69		18.61		19.5	0.0	
100	PI2 BPSK	135	138		18.58		19.5	0.0	
100	PI2 BPSK	270	0		18.64				
100	QPSK	1	1		18.75				
100	QPSK	1	137		18.58		19.5	0.0	
100	QPSK	1	271		18.55				
100	QPSK	135	0		18.51				
100	QPSK	135	69		18.71		19.5	0.0	
100	QPSK	135	138		18.52				
100	QPSK	270	0		18.68				
100	16QAM	1	1		18.57		19.5	0.0	
100	64QAM	1	1		18.62		19.5	0.0	
100	256QAM	1	1		18.47		19.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	18.49	18.46	18.51	19.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	18.51	18.49	18.47	19.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	18.47	18.45	18.54	19.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	18.45	18.52	18.50	19.5	0.0	
Channel				631568	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	18.54	18.48	18.49	19.5	0.0	
Channel				631234	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	18.47	18.51	18.52	19.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500.01	3535.02			
30	QPSK	1	1	18.50	18.47	18.49	19.5	0.0	
Channel				630834	633334	636034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	18.46	18.45	18.49	19.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3545			
20	QPSK	1	1	18.50	18.44	18.56	19.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	18.49	18.55	18.51	19.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	18.48	18.53	18.51	19.5	0.0	

Part27O 78 Ant4 Sensor on SA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	PI2 BPSK	1	1	18.09	18.05	18.23	19.5	0.0			
100	PI2 BPSK	1	137		18.05		19.5				
100	PI2 BPSK	1	271		18.23		19.5				
100	PI2 BPSK	135	0		18.35		19.5				
100	PI2 BPSK	135	69		18.37		19.5				
100	PI2 BPSK	135	138		18.37		19.5				
100	PI2 BPSK	270	0		18.28		19.5				
100	QPSK	1	1	18.38	18.30	18.17	19.5	0.0			
100	QPSK	1	137		18.30		19.5				
100	QPSK	1	271		18.17		19.5				
100	QPSK	135	0		18.11		19.5	0.0			
100	QPSK	135	69	18.38	18.19	18.32	19.5				
100	QPSK	135	138		18.19		19.5				
100	QPSK	270	0		18.32		19.5				
100	16QAM	1	1		18.06		19.5				
100	64QAM	1	1		18.20		19.5				
100	256QAM	1	1		18.04		19.5				
Channel							649668	650000	650334	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)							3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	18.38	18.32	18.44	19.5	0.0			
Channel							649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	18.51	18.33	18.40	19.5	0.0			
Channel							649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	18.32	18.32	18.43	19.5	0.0			
Channel							648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	18.38	18.40	18.50	19.5	0.0			
Channel							648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	18.32	18.48	18.50	19.5	0.0			
Channel							648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	18.42	18.37	18.45	19.5	0.0			
Channel							647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	18.38	18.35	18.49	19.5	0.0			
Channel							647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3710.01	3750	3790.02	(dBm)	(dB)
25	QPSK	1	1	18.43	18.39	18.44	19.5	0.0			
Channel							647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	18.40	18.45	18.54	19.5	0.0			
Channel							647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	18.50	18.45	18.40	19.5	0.0			
Channel							647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	18.34	18.39	18.46	19.5	0.0			

Part27Q 78 Ant4 Sensor on SA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		18.25		19.5	0.0
100	PI2 BPSK	1	137		18.50			
100	PI2 BPSK	1	271		18.46		19.5	0.0
100	PI2 BPSK	135	0		18.27			
100	PI2 BPSK	135	69		18.46		19.5	0.0
100	PI2 BPSK	135	138		18.28			
100	PI2 BPSK	270	0		18.23		19.5	0.0
100	QPSK	1	1		18.36			
100	QPSK	1	137		18.23		19.5	0.0
100	QPSK	1	271		18.55			
100	QPSK	135	0		18.27		19.5	0.0
100	QPSK	135	69		18.46			
100	QPSK	135	138		18.30		19.5	0.0
100	QPSK	270	0		18.44			
100	16QAM	1	1		18.22		19.5	0.0
100	64QAM	1	1		18.37			
100	256QAM	1	1		18.24		19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.39	18.49	18.63	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.58	18.63	18.59	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.54	18.63	18.44	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.40	18.71	18.49	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.59	18.68	18.59	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.55	18.63	18.52	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.45	18.64	18.54	19.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.39	18.64	18.52	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.58	18.68	18.57	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.54	18.69	18.55	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.42	18.51	18.49	19.5	0.0



n41 FCC PC2&PC3 Ant 5 Sensor on SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509200	518598	528000	20.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	18.47	18.44	18.46			
100	PI2 BPSK	1	137	18.40	18.43	18.36			
100	PI2 BPSK	1	271	18.43	18.44	18.42	20.0	0.0	
100	PI2 BPSK	135	0	18.42	18.48	18.36			
100	PI2 BPSK	135	69	18.48	18.45	18.41			
100	PI2 BPSK	135	138	18.46	18.43	18.44			
100	PI2 BPSK	270	0	18.38	18.45	18.43	20.0	0.0	
100	QPSK	1	1	18.50	18.46	18.53			
100	QPSK	1	137	18.37	18.44	18.47			
100	QPSK	1	271	18.37	18.46	18.39			
100	QPSK	135	0	18.46	18.43	18.46	20.0	0.0	
100	QPSK	135	69	18.48	18.61	18.41			
100	QPSK	135	138	18.46	18.53	18.41			
100	QPSK	270	0	18.38	18.58	18.36			
100	15QAM	1	1	18.39	18.52	18.44	20.0	0.0	
100	64QAM	1	1	18.37	18.47	18.41			
100	256QAM	1	1	18.44	18.43	18.44			
Channel				506200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	18.30	18.27	18.27	20.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	18.33	18.28	18.25	20.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2659.98	(dBm)	(dB)	
70	QPSK	1	1	18.29	18.32	18.25	20.0	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	18.23	18.34	18.18	20.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	18.23	18.29	18.25	20.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	18.28	18.27	18.21	20.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	18.23	18.34	18.19	20.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	18.32	18.33	18.22	20.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	18.33	18.33	18.18	20.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	18.23	18.37	18.24	20.0	0.0	

n48 Ant5 Sensor on SA									
BW [MHz]	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	20.0	0.0	
Frequency (MHz)				3670	3624.99	3679.98			
40	PI2 BPSK	1	1	18.52	18.62	18.52			
40	PI2 BPSK	1	53	18.32	18.54	18.46			
40	PI2 BPSK	1	104	18.36	18.49	18.31	20.0	0.0	
40	PI2 BPSK	50	0	18.02	18.10	18.07			
40	PI2 BPSK	50	28	18.57	18.65	18.47			
40	PI2 BPSK	50	56	18.07	18.21	18.08			
40	PI2 BPSK	100	0	17.87	18.04	17.96	20.0	0.0	
40	QPSK	1	1	18.54	18.71	18.55			
40	QPSK	1	53	18.58	18.55	18.47			
40	QPSK	1	104	18.31	18.46	18.34			
40	QPSK	50	0	17.41	17.48	17.42	20.0	0.0	
40	QPSK	50	28	18.41	18.68	18.65			
40	QPSK	50	56	18.63	18.68	18.52			
40	QPSK	100	0	18.43	18.63	18.51			
40	15QAM	1	1	18.62	18.55	18.41	20.0	0.0	
40	64QAM	1	1	18.60	18.34	18.35			
40	256QAM	1	1	17.59	17.63	17.54			
Channel				637668	641666	645966	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3665.02	3624.99	3684.99	(dBm)	(dB)	
30	QPSK	1	1	18.30	18.67	18.50	20.0	0.0	
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.01	3624.99	3680	(dBm)	(dB)	
20	QPSK	1	1	18.45	18.62	18.46	20.0	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	3692.49	(dBm)	(dB)	
15	QPSK	1	1	18.45	18.51	18.59	20.0	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3694.98	(dBm)	(dB)	
10	QPSK	1	1	18.41	18.66	18.56	20.0	0.0	

Part270 n77_Ant5 Sensor on SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	20.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.26	18.37	18.41			
100	PI2 BPSK	1	137	18.29	18.42	18.33			
100	PI2 BPSK	1	271	18.13	18.32	18.19	19.5	0.0	
100	PI2 BPSK	135	0	17.95	18.09	17.88			
100	PI2 BPSK	135	69	18.39	18.42	18.39			
100	PI2 BPSK	135	138	17.84	17.95	17.78			
100	PI2 BPSK	270	0	17.87	17.91	17.76	19.5	0.0	
100	QPSK	1	1	18.39	18.55	18.52			
100	QPSK	1	137	18.27	18.44	18.42			
100	QPSK	1	271	18.28	18.29	18.18			
100	QPSK	135	0	17.88	17.53	17.45	19.5	0.0	
100	QPSK	135	69	18.40	18.56	18.42			
100	QPSK	135	138	18.31	18.39	18.46			
100	QPSK	270	0	18.18	18.33	18.23			
100	15QAM	1	1	18.46	18.48	18.36	19.5	0.0	
100	64QAM	1	1	17.90	17.99	17.79			
100	256QAM	1	1	17.77	17.88	17.78			
Channel				649668	656000	662534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	18.15	17.98	18.00	19.5	0.0	
Channel				649334	656000	662968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	18.06	18.14	18.14	19.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3944	(dBm)	(dB)	
70	QPSK	1	1	18.00	18.08	18.08	19.5	0.0	
Channel				648668	656000	663534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	17.96	18.01	17.86	19.5	0.0	
Channel				648334	656000	663968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	18.11	18.03	17.97	19.5	0.0	

Part27Q n77_Ant5 Sensor on SA PC2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		18.49		19.5	0.0
100	PI2 BPSK	1	137		18.57			
100	PI2 BPSK	1	271		18.42			
100	PI2 BPSK	135	0		18.58			
100	PI2 BPSK	135	69		18.55		19.5	0.0
100	PI2 BPSK	135	138		18.57		19.5	0.0
100	PI2 BPSK	270	0		18.57		19.5	0.0
100	QPSK	1	1		18.79			
100	QPSK	1	137		18.57		19.5	0.0
100	QPSK	1	271		18.75			
100	QPSK	135	0		18.89			
100	QPSK	135	69		18.71			
100	QPSK	135	138		18.50		19.5	0.0
100	QPSK	270	0		18.57		19.5	0.0
100	16QAM	1	1		18.53		19.5	0.0
100	64QAM	1	1		18.56		19.5	0.0
100	256QAM	1	1		18.58		19.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	18.11	18.06	18.08	19.5	0.0
Channel				632968	633334	633690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.14	18.12	18.03	19.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.84	18.07	17.98	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.10	18.06	18.04	19.5	0.0
Channel				631968	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.99	17.98	18.06	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.12	18.01	18.04	19.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.70	17.71	17.84	19.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.10	18.11	18.04	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.01	18.00	18.00	19.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.11	18.07	18.04	19.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.94	18.01	18.11	19.5	0.0

Part27O 78 Ant5 Sensor on SA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		18.37		19.5	0.0	
100	PI2 BPSK	1	137		18.37				
100	PI2 BPSK	1	271		18.48				
100	PI2 BPSK	135	0		18.35		19.5	0.0	
100	PI2 BPSK	135	69		18.40		19.5	0.0	
100	PI2 BPSK	135	138		18.33		19.5	0.0	
100	PI2 BPSK	270	0		18.34		19.5	0.0	
100	QPSK	1	1		18.57		19.5	0.0	
100	QPSK	1	137		17.55				
100	QPSK	1	271		18.45				
100	QPSK	135	0		18.52		19.5	0.0	
100	QPSK	135	69		18.54		19.5	0.0	
100	QPSK	135	138		18.34		19.5	0.0	
100	QPSK	270	0		18.49		19.5	0.0	
100	16QAM	1	1		18.47		19.5	0.0	
100	64QAM	1	1		18.47		19.5	0.0	
100	256QAM	1	1		18.50		19.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		18.44	18.48	18.27	19.5	0.0
Channel				646334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		18.51	18.38	18.44	19.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		18.45	18.37	18.36	19.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		18.52	18.34	18.34	19.5	0.0
Channel				646334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		18.37	18.50	18.44	19.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		18.41	18.52	18.37	19.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		18.51	18.36	18.44	19.5	0.0
Channel				647668	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		18.33	18.52	18.31	19.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		18.33	18.35	18.42	19.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		18.48	18.43	18.28	19.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		18.41	18.48	18.30	19.5	0.0

Part27Q 78 Ant5 Sensor on SA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334			19.5	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		18.33		19.5	0.0
100	PI2 BPSK	1	137		18.07			
100	PI2 BPSK	1	271		18.13			
100	PI2 BPSK	135	0		18.38		19.5	0.0
100	PI2 BPSK	135	69		18.45		19.5	0.0
100	PI2 BPSK	135	138		18.25		19.5	0.0
100	PI2 BPSK	270	0		18.34		19.5	0.0
100	QPSK	1	1		18.46		19.5	0.0
100	QPSK	1	137		18.24			
100	QPSK	1	271		18.31			
100	QPSK	135	0		18.31		19.5	0.0
100	QPSK	135	69		18.42		19.5	0.0
100	QPSK	135	138		18.22		19.5	0.0
100	QPSK	270	0		18.21		19.5	0.0
100	16QAM	1	1		18.16		19.5	0.0
100	64QAM	1	1		18.42		19.5	0.0
100	256QAM	1	1		18.29		19.5	0.0
Channel				633000	63334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.36	18.37	18.38	19.5	0.0
Channel				632668	63334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.45	18.27	18.56	19.5	0.0
Channel				632334	63334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.45	18.26	18.51	19.5	0.0
Channel				632000	63334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.40	18.43	18.35	19.5	0.0
Channel				631668	63334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.29	18.38	18.38	19.5	0.0
Channel				631334	63334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.39	18.31	18.36	19.5	0.0
Channel				631000	63334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.52	18.42	18.53	19.5	0.0
Channel				630634	63334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.31	18.22	18.47	19.5	0.0
Channel				630668	63334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.31	18.21	18.52	19.5	0.0
Channel				630500	63334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.43	18.42	18.52	19.5	0.0
Channel				630334	63334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.27	18.30	18.52	19.5	0.0

n30 Ant6 Sensor on SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000			22.0	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1		21.38		22.0	0.0
10	PI/2 BPSK	1	26		21.32			
10	PI/2 BPSK	1	50		21.47			
10	PI/2 BPSK	25	0		21.59			
10	PI/2 BPSK	25	14		21.52		22.0	0.0
10	PI/2 BPSK	25	27		21.44		22.0	0.0
10	PI/2 BPSK	50	0		21.39		22.0	0.0
10	QPSK	1	1		21.65			
10	QPSK	1	26		21.46			
10	QPSK	1	50		21.60			
10	QPSK	25	0		21.55		22.0	0.0
10	QPSK	25	14		21.56		22.0	0.0
10	QPSK	25	27		21.41		22.0	0.0
10	QPSK	50	0		21.51		22.0	0.0
10	16QAM	1	1		21.41			
10	64QAM	1	1		21.02			
10	256QAM	1	1		19.17			
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	21.58	21.60	21.55	22.0	0.0

n41_FCC PC2&PC3 Ant6 Sensor on SA									
BW [MHz]	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	22.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.50	21.34	21.31	22.0	0.0	
100	PI/2 BPSK	1	137	21.39	21.45	21.38			
100	PI/2 BPSK	1	271	21.42	21.49	21.41			
100	PI/2 BPSK	135	0	21.29	21.46	21.32			
100	PI/2 BPSK	135	69	21.37	21.34	21.18	22.0	0.0	
100	PI/2 BPSK	135	138	21.27	21.24	21.32	22.0	0.0	
100	PI/2 BPSK	270	0	21.32	21.31	21.35			
100	QPSK	1	1	21.49	21.53	21.33	22.0	0.0	
100	QPSK	1	137	21.39	21.35	21.37			
100	QPSK	1	271	21.32	21.46	21.31			
100	QPSK	135	0	21.36	21.39	21.31			
100	QPSK	135	69	21.45	21.49	21.28	22.0	0.0	
100	QPSK	135	138	21.47	21.29	21.29	22.0	0.0	
100	QPSK	270	0	21.35	21.37	21.31	22.0	0.0	
100	16QAM	1	1	21.38	21.40	21.16			
100	64QAM	1	1	20.44	20.52	20.38			
100	256QAM	1	1	18.41	18.55	18.50			
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	21.34	21.42	21.21	22.0	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	21.42	21.46	21.19	22.0	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	21.38	21.37	21.19	22.0	0.0	
Channel				505200	518598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	21.39	21.41	21.20	22.0	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2654.99	(dBm)	(dB)	
50	QPSK	1	1	21.37	21.43	21.17	22.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	21.38	21.42	21.22	22.0	0.0	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.99	(dBm)	(dB)	
30	QPSK	1	1	21.44	21.40	21.22	22.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	21.43	21.45	21.25	22.0	0.0	
Channel				500100	518598	536998	Tune-up limit	MPR	
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	21.37	21.44	21.28	22.0	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	21.41	21.47	21.20	22.0	0.0	

n41_FCC PC2&PC3 Ant7 Sensor on SA									
BW [MHz]	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	21.8	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.67	20.71	20.76	21.8	0.0	
100	PI/2 BPSK	1	137	20.58	20.78	20.65			
100	PI/2 BPSK	1	271	20.62	20.74	20.70			
100	PI/2 BPSK	135	0	20.59	20.78	20.68			
100	PI/2 BPSK	135	69	20.58	20.79	20.74	21.8	0.0	
100	PI/2 BPSK	135	138	20.59	20.79	20.73	21.8	0.0	
100	PI/2 BPSK	270	0	20.68	20.80	20.76			
100	QPSK	1	1	20.73	20.84	20.81	21.8	0.0	
100	QPSK	1	137	20.60	20.78	20.67			
100	QPSK	1	271	20.58	20.78	20.72			
100	QPSK	135	0	20.61	20.78	20.71			
100	QPSK	135	69	20.60	20.78	20.66	21.8	0.0	
100	QPSK	135	138	20.60	20.72	20.73	21.8	0.0	
100	QPSK	270	0	20.60	20.73	20.72			
100	16QAM	1	1	20.64	20.71	20.75	21.8	0.0	
100	64QAM	1	1	20.61	20.70	20.65	21.8	0.0	
100	256QAM	1	1	20.50	20.58	20.43	21.3	0.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	20.59	20.59	20.64	21.8	0.0	
Channel				517204	518598	527998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	20.43	20.57	20.53	21.8	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	20.43	20.61	20.55	21.8	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2658.98	(dBm)	(dB)	
60	QPSK	1	1	20.47	20.60	20.57	21.8	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.99	(dBm)	(dB)	
50	QPSK	1	1	20.48	20.54	20.58	21.8	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	20.43	20.58	20.57	21.8	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.99	(dBm)	(dB)	
30	QPSK	1	1	20.48	20.56	20.58	21.8	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	20.42	20.63	20.55	21.8	0.0	
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	20.41	20.54	20.53	21.8	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	20.40	20.61	20.60	21.8	0.0	



n41_FCC PC2&PC3 Ant8 Sensor on SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500000	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	19.51	19.45	19.46			
100	PI2 BPSK	1	137	19.50	19.52	19.46	20.8	0.0	
100	PI2 BPSK	1	271	19.48	19.54	19.42			
100	PI2 BPSK	135	0	19.45	19.48	19.45	20.8	0.0	
100	PI2 BPSK	135	69	19.49	19.54	19.39	20.8	0.0	
100	PI2 BPSK	135	138	19.44	19.52	19.44	20.8	0.0	
100	PI2 BPSK	270	0	19.50	19.48	19.40			
100	QPSK	1	1	19.04	19.05	19.08			
100	QPSK	1	137	19.48	19.47	19.40	20.8	0.0	
100	QPSK	1	271	19.49	19.49	19.46			
100	QPSK	135	0	19.49	19.47	19.38	20.8	0.0	
100	QPSK	135	69	19.55	19.55	19.46	20.8	0.0	
100	QPSK	135	138	19.44	19.55	19.38	20.8	0.0	
100	QPSK	270	0	19.41	19.44	19.38			
100	15QAM	1	1	19.45	19.46	19.48	20.8	0.0	
100	64QAM	1	1	19.53	19.52	19.46	20.8	0.0	
100	256QAM	1	1	19.48	19.48	19.40	20.8	0.0	
Channel				506000	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	QPSK	1	1	19.37	19.47	19.45	20.8	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)		
80	QPSK	1	1	19.33	19.53	19.46	20.8	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2645	(dBm)		
70	QPSK	1	1	19.37	19.54	19.37	20.8	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)		
60	QPSK	1	1	19.36	19.47	19.41	20.8	0.0	
Channel				506204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)		
50	QPSK	1	1	19.35	19.49	19.46	20.8	0.0	
Channel				500202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)		
40	QPSK	1	1	19.34	19.49	19.48	20.8	0.0	
Channel				502000	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)		
30	QPSK	1	1	19.41	19.47	19.38	20.8	0.0	
Channel				507204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)		
20	QPSK	1	1	19.44	19.48	19.47	20.8	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)		
15	QPSK	1	1	19.43	19.49	19.40	20.8	0.0	
Channel				506002	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)		
10	QPSK	1	1	19.38	19.55	19.43	20.8	0.0	

n48 Ant8 Sensor on SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630000	641666	645332			
Frequency (MHz)				3670	3624.99	3679.98			
40	PI2 BPSK	1	1	14.34	14.27	14.18			
40	PI2 BPSK	1	53	14.23	14.15	14.19	16.0	0.0	
40	PI2 BPSK	1	104	14.13	14.27	14.10			
40	PI2 BPSK	50	0	14.25	14.33	14.20	16.0	0.0	
40	PI2 BPSK	50	28	14.17	14.15	14.14	16.0	0.0	
40	PI2 BPSK	50	56	14.21	14.28	14.18	16.0	0.0	
40	PI2 BPSK	100	0	14.27	14.22	14.24			
40	QPSK	1	1	14.33	14.45	14.21			
40	QPSK	1	53	14.33	14.28	14.21	16.0	0.0	
40	QPSK	1	104	14.26	14.44	14.28			
40	QPSK	50	0	14.37	14.22	14.28	16.0	0.0	
40	QPSK	50	28	14.17	16.33	14.19	16.0	0.0	
40	QPSK	50	56	14.27	14.28	14.32			
40	QPSK	100	0	14.18	14.29	14.22	16.0	0.0	
40	15QAM	1	1	14.12	14.38	14.06	16.0	0.0	
40	64QAM	1	1	14.27	14.12	14.16	16.0	0.0	
40	256QAM	1	1	14.24	14.15	14.28	16.0	0.0	
Channel				637668	641666	645966	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3695.02	3624.99	3684.99	(dBm)		
30	QPSK	1	1	14.20	14.33	14.00	-4.8	0.0	
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.01	3624.99	3660	(dBm)		
20	QPSK	1	1	14.20	14.35	14.08	-4.8	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	3662.49	(dBm)		
15	QPSK	1	1	14.38	18.28	18.24	16.0	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3664.98	(dBm)		
10	QPSK	1	1	14.18	14.32	14.07	16.0	0.0	

Part270 n77_Ant8 Sensor on SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				650000	650000	665000			
Frequency (MHz)				3700	3840	3930			
100	PI2 BPSK	1	1	9.13	9.25	9.06			
100	PI2 BPSK	1	137	9.27	9.13	9.18	10.0	0.0	
100	PI2 BPSK	1	271	8.88	9.22	9.08			
100	PI2 BPSK	135	0	9.11	9.31	9.09	10.0	0.0	
100	PI2 BPSK	135	69	9.09	8.98	8.99	10.0	0.0	
100	PI2 BPSK	135	138	9.20	9.19	9.13	10.0	0.0	
100	PI2 BPSK	270	0	9.14	9.03	9.20			
100	QPSK	1	1	9.23	9.45	9.24			
100	QPSK	1	137	9.18	9.25	9.03	10.0	0.0	
100	QPSK	1	271	9.13	9.37	9.21			
100	QPSK	135	0	9.14	9.21	9.09	10.0	0.0	
100	QPSK	135	69	9.12	9.34	9.10	10.0	0.0	
100	QPSK	135	138	9.08	9.15	9.27	10.0	0.0	
100	QPSK	270	0	9.13	9.25	9.22			
100	16QAM	1	1	8.90	9.40	9.09	10.0	0.0	
100	64QAM	1	1	9.14	8.97	9.22	10.0	0.0	
100	256QAM	1	1	9.26	9.10	9.05	10.0	0.0	
Channel				649668	650000	662534	Tune-up limit	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)		
90	QPSK	1	1	9.22	9.25	9.08	10.0	0.0	
Channel				649334	650000	662968	Tune-up limit	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)		
80	QPSK	1	1	9.26	9.32	9.08	10.0	0.0	
Channel				649000	650000	663000	Tune-up limit	MPR (dB)	
Frequency (MHz)				3735.01	3840	3945.01	(dBm)		
70	QPSK	1	1	9.15	9.26	9.07	10.0	0.0	
Channel				648668	650000	663534	Tune-up limit	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)		
60	QPSK	1	1	9.20	9.38	9.06	10.0	0.0	
Channel				648334	650000	663968	Tune-up limit	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)		
50	QPSK	1	1	9.11	9.31	9.10	10.0	0.0	
Channel				648000	650000	664000	Tune-up limit	MPR (dB)	
Frequency (MHz)				3720.01	3840	3960.01	(dBm)		
40	QPSK	1	1	9.17	9.30	8.97	10.0	0.0	
Channel				647668	650000	664334	Tune-up limit	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)		
30	QPSK	1	1	9.11	9.30	9.05	10.0	0.0	
Channel				647500	650000	664500	Tune-up limit	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)		
25	QPSK	1	1	9.11	9.33	8.99	10.0	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)		
20	QPSK	1	1	9.19	9.37	9.00	10.0	0.0	
Channel				647168	650000	664834	Tune-up limit	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)		
15	QPSK	1	1	9.13	9.38	9.12	10.0	0.0	
Channel				647000	650000	665000	Tune-up limit	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dBm)		
10	QPSK	1	1	9.19	9.21	9.02	10.0	0.0	

Part27Q n77 PC2&3 Ant8 Sensor on SA

BW [MHz]	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			10.0	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		9.07		10.0	0.0
100	PI2 BPSK	1	137		8.84			
100	PI2 BPSK	1	271		9.15			
100	PI2 BPSK	135	0		9.10		10.0	0.0
100	PI2 BPSK	135	69		8.59		10.0	0.0
100	PI2 BPSK	135	138		8.73		10.0	0.0
100	PI2 BPSK	270	0		9.12		10.0	0.0
100	QPSK	1	1		9.43		10.0	0.0
100	QPSK	1	137		9.10			
100	QPSK	1	271		9.35			
100	QPSK	135	0		9.08		10.0	0.0
100	QPSK	135	69		8.13		10.0	0.0
100	QPSK	135	138		9.09		10.0	0.0
100	QPSK	270	0		9.08		10.0	0.0
100	16QAM	1	1		9.08		10.0	0.0
100	64QAM	1	1		8.72		10.0	0.0
100	256QAM	1	1		9.03		10.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	9.11	8.99	8.76	10.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	9.04	8.99	8.73	10.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	9.22	8.91	8.80	10.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	9.10	8.97	8.82	10.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	9.11	9.02	8.75	10.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	9.17	8.99	8.84	10.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	9.10	8.99	8.72	10.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	9.17	8.90	8.80	10.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	9.22	8.98	8.77	10.0	0.0
Channel				630600	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	9.11	9.10	8.79	10.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	9.14	8.91	8.75	10.0	0.0

Part270 n78_Ant8 Sensor on SA

BW [MHz]	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			10.0	0.0
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		9.42		10.0	0.0
100	PI2 BPSK	1	137		8.91			
100	PI2 BPSK	1	271		9.18		10.0	0.0
100	PI2 BPSK	135	0		9.31			
100	PI2 BPSK	135	69		8.85		10.0	0.0
100	PI2 BPSK	135	138		9.19		10.0	0.0
100	PI2 BPSK	270	0		8.92		10.0	0.0
100	QPSK	1	1		9.33		10.0	0.0
100	QPSK	1	137		9.24			
100	QPSK	1	271		9.29		10.0	0.0
100	QPSK	135	0		9.26			
100	QPSK	135	69		9.34		10.0	0.0
100	QPSK	135	138		9.24			
100	QPSK	270	0		9.29		10.0	0.0
100	16QAM	1	1		9.41		10.0	0.0
100	64QAM	1	1		9.80		10.0	0.0
100	256QAM	1	1		9.95		10.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	123		9.23	9.29	10.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109		9.17	9.35	10.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95		9.24	9.21	10.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81		9.12	9.29	10.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67		9.25	9.20	10.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53		9.12	9.29	10.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	39		9.18	9.26	10.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	32		9.23	9.25	10.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.02	(dBm)	(dB)
20	QPSK	1	26		9.28	9.28	10.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19		9.12	9.19	10.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12		9.14	9.24	10.0	0.0

Part27Q 78_Ant8 Sensor on SA

BW [MHz]	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			10.0	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		8.90		10.0	0.0
100	PI2 BPSK	1	137		8.90			
100	PI2 BPSK	1	271		9.42		10.0	0.0
100	PI2 BPSK	135	0		9.25			
100	PI2 BPSK	135	69		8.67		10.0	0.0
100	PI2 BPSK	135	138		8.62		10.0	0.0
100	PI2 BPSK	270	0		9.05		10.0	0.0
100	QPSK	1	1		9.40		10.0	0.0
100	QPSK	1	137		9.03			
100	QPSK	1	271		9.31		10.0	0.0
100	QPSK	135	0		9.02			
100	QPSK	135	69		9.05		10.0	0.0
100	QPSK	135	138		8.98			
100	QPSK	270	0		8.93		10.0	0.0
100	16QAM	1	1		9.23		10.0	0.0
100	64QAM	1	1		9.76		10.0	0.0
100	256QAM	1	1		9.90		10.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123		9.06	8.99	10.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109		8.99	8.83	10.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	95		9.09	8.90	10.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81		8.94	8.99	10.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67		9.05	8.90	10.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53		8.94	8.86	10.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	39		9.15	9.00	10.0	0.0
Channel				630634	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	32		8.99	8.91	10.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26		9.03	8.94	10.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19		8.96	8.97	10.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12		8.96	8.89	10.0	0.0

Part270 n77 PC2_Ant4 Sensor off SA&NSA									
BW [MHz]	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	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.09	22.27	22.23	24.0	0.0	
100	PI/2 BPSK	1	137	22.19	22.32	22.12			
100	PI/2 BPSK	1	271	22.25	22.33	22.20			
100	PI/2 BPSK	135	0	21.83	21.83	21.79			
100	PI/2 BPSK	135	69	22.28	22.31	22.12	24.0	0.0	
100	PI/2 BPSK	135	138	21.82	21.69	21.68	23.5	0.5	
100	PI/2 BPSK	270	0	21.83	21.96	21.93			
100	QPSK	1	1	22.36	22.39	22.21	24.0	0.0	
100	QPSK	1	137	22.07	22.25	22.08			
100	QPSK	1	271	22.14	22.26	22.12			
100	QPSK	135	0	21.05	21.21	21.07			
100	QPSK	135	69	22.22	22.31	22.28	24.0	0.0	
100	QPSK	135	138	20.99	21.00	20.94	23.0	1.0	
100	QPSK	270	0	21.15	21.20	21.13	23.0	1.0	
100	16QAM	1	1	20.92	21.07	20.89			
100	64QAM	1	1	19.30	19.48	19.25	21.5	2.5	
100	256QAM	1	1	17.54	17.79	17.73	19.5	4.5	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	22.20	22.31	22.16	24.0	0.0	
Channel				637334	641668	646000	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	22.27	22.25	22.09	24.0	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	22.28	22.27	22.07	24.0	0.0	
Channel				649668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	22.31	22.30	22.06	24.0	0.0	
Channel				648334	656000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	22.20	22.28	22.14	24.0	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720.00	3840	3960.00	(dBm)	(dB)	
40	QPSK	1	1	22.28	22.29	22.14	24.0	0.0	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
30	QPSK	1	1	22.29	22.32	22.06	24.0	0.0	
Channel				647900	656000	664500	Tune-up limit	MPR	
Frequency (MHz)				3712.50	3840	3967.50	(dBm)	(dB)	
25	QPSK	1	1	22.20	22.28	22.06	24.0	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	22.22	22.24	22.12	24.0	0.0	
Channel				647168	656000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	22.21	22.34	22.11	24.0	0.0	
Channel				647000	656000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705.00	3840	3975.00	(dBm)	(dB)	
10	QPSK	1	1	22.25	22.30	22.08	24.0	0.0	

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Part27Q n77 PC2_Ant4 Sensor off SA&NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	635001			
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		21.97		24.0	0.0	
100	PI/2 BPSK	1	137		22.07				
100	PI/2 BPSK	1	271		22.05				
100	PI/2 BPSK	135	0		21.47				
100	PI/2 BPSK	135	69		22.03		23.5	0.5	
100	PI/2 BPSK	135	138		21.34		24.0	0.0	
100	PI/2 BPSK	270	0		21.63		23.5	0.5	
100	QPSK	1	1		22.08		24.0	0.0	
100	QPSK	1	137		21.94				
100	QPSK	1	271		21.96				
100	QPSK	135	0		20.94				
100	QPSK	135	69		22.01		23.0	1.0	
100	QPSK	135	138		20.70		24.0	0.0	
100	QPSK	270	0		21.07		23.0	1.0	
100	16QAM	1	1		20.70		23.0	1.0	
100	64QAM	1	1		19.18		21.5	2.5	
100	256QAM	1	1		17.53		19.5	4.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	21.96	21.05	22.01	24.0	0.0	
Channel				632568	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	21.98	22.03	22.02	24.0	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	21.92	21.99	21.99	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	21.95	22.01	21.94	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	21.93	21.97	21.95	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	22.01	21.92	21.92	24.0	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	21.94	22.00	22.01	24.0	0.0	
Channel				630834	633334	635834	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)	
25	QPSK	1	1	21.98	21.99	21.95	24.0	0.0	
Channel				630568	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	22.02	21.98	21.96	24.0	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	21.92	21.94	21.98	24.0	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	21.99	21.95	21.96	24.0	0.0	



n41_FCC Ant 5 PC2&PC3 Sensor off											
BW (MHz)	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	518988	528000					
Frequency (MHz)				2546.01	2592.99	2640					
100	Pi/2 BPSK	1	1	19.63	19.77	19.75	21.0	0.0			
	Pi/2 BPSK	1	137	19.70	19.74	19.77					
	Pi/2 BPSK	1	271	19.77	19.74	19.76					
	Pi/2 BPSK	136	0	19.76	19.73	19.81					
100	Pi/2 BPSK	136	69	19.76	19.83	19.78	21.0	0.0			
100	Pi/2 BPSK	136	138	19.71	19.74	19.83	21.0	0.0			
100	Pi/2 BPSK	270	0	19.65	19.87	19.76					
100	QPSK	1	1	19.80	19.90	19.86	21.0	0.0			
100	QPSK	1	137	19.84	19.76	19.76					
100	QPSK	1	271	19.75	19.82	19.83					
100	QPSK	136	0	19.23	19.33	19.21		20.5		0.5	
100	QPSK	136	69	19.65	19.63	19.80	20.5	0.5			
100	QPSK	136	138	18.94	19.08	18.93					
100	QPSK	270	0	18.93	19.04	18.97	20.5	0.5			
100	16QAM	1	1	19.17	19.31	19.19		20.5		0.5	
100	64QAM	1	1	17.66	17.75	17.83	19.0	2.0			
100	256QAM	1	1	15.68	15.87	15.78		17.0			
Channel				508200	518988	528999	Tune-up limit	MPR			
Frequency (MHz)				2541	2592.99	2641.98	(dBm)	(dB)			
90	QPSK	1	1	19.21	19.39	19.25	21.0	0.0			
	Channel			507204	518988	529999					
	Frequency (MHz)			2536.02	2592.99	2648.98					
	QPSK	1	1	19.24	19.35	19.39		21.0			
80	Channel			506202	518988	531000	Tune-up limit	MPR			
	Frequency (MHz)			2531.01	2592.99	2655	(dBm)	(dB)			
	70	QPSK	1	19.13	19.34	19.26	21.0	0.0			
				505200	518988	531999					
Channel				2526	2592.99	2659.98	Tune-up limit	MPR			
Frequency (MHz)							(dBm)	(dB)			
60	QPSK	1	1	19.26	19.23	19.23	21.0	0.0			
				504204	518988	532998					
	Channel			2518.02	2592.99	2664.99	Tune-up limit	MPR			
	Frequency (MHz)						(dBm)	(dB)			
50	QPSK	1	1	19.12	19.30	19.30	21.0	0.0			
				503202	518988	534000					
	Channel			2516.01	2592.99	2670	Tune-up limit	MPR			
	Frequency (MHz)						(dBm)	(dB)			
40	QPSK	1	1	19.29	19.32	19.32	21.0	0.0			
				502200	518988	534998					
	Channel			2511	2592.99	2674.98	Tune-up limit	MPR			
	Frequency (MHz)						(dBm)	(dB)			
30	QPSK	1	1	19.32	19.46	19.34	21.0	0.0			
				501204	518988	535999					
	Channel			2506.02	2592.99	2679.99	Tune-up limit	MPR			
	Frequency (MHz)						(dBm)	(dB)			
20	QPSK	1	1	19.11	19.23	19.24	21.0	0.0			
				500700	518988	536499					
	Channel			2493.15	2592.99	2682.98	Tune-up limit	MPR			
	Frequency (MHz)						(dBm)	(dB)			
15	QPSK	1	1	19.23	19.31	19.34	21.0	0.0			
				500202	518988	537000					
	Channel			2491.01	2592.99	2686	Tune-up limit	MPR			
	Frequency (MHz)						(dBm)	(dB)			
10	QPSK	1	1	19.19	19.26	19.25	21.0	0.0			



n2 Ant0 Handheld SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				376000	376000	376000	21.0	0.0	
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	20.13	20.18	20.10	21.0	0.0	
40	PI2 BPSK	1	108	20.39	20.16	20.24			
40	PI2 BPSK	1	214	20.36	20.17	20.16	21.0	0.0	
40	PI2 BPSK	108	0	20.22	20.28	20.22	21.0	0.0	
40	PI2 BPSK	108	54	20.08	20.10	20.17	21.0	0.0	
40	PI2 BPSK	108	108	20.10	20.34	20.38	21.0	0.0	
40	PI2 BPSK	216	0	20.14	20.24	20.37	21.0	0.0	
40	QPSK	1	1	20.34	20.48	20.31			
40	QPSK	1	108	20.36	20.45	20.15	21.0	0.0	
40	QPSK	1	214	20.13	20.21	20.02	21.0	0.0	
40	QPSK	108	0	20.35	20.34	20.15			
40	QPSK	108	54	20.58	20.36	20.26	21.0	0.0	
40	QPSK	108	108	20.22	20.31	20.31	21.0	0.0	
40	QPSK	216	0	20.25	20.26	20.12	21.0	0.0	
40	16QAM	1	1	20.05	20.16	20.25			
40	64QAM	1	1	20.28	20.16	20.17	21.0	0.0	
40	256QAM	1	1	19.75	19.71	19.72	20.5	0.5	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	21.0	0.0	
30	QPSK	1	1	20.17	20.22	20.22	21.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	21.0	0.0	
25	QPSK	1	1	20.12	20.26	20.24	21.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905	21.0	0.0	
20	QPSK	1	1	20.10	20.24	20.20	21.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	21.0	0.0	
15	QPSK	1	1	20.17	20.21	20.27	21.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	21.0	0.0	
10	QPSK	1	1	20.09	20.17	20.19	21.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1897.5	21.0	0.0	
5	QPSK	1	1	20.13	20.24	20.18	21.0	0.0	

n25 Ant0 Handheld SA									
BW [MHz]	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	21.0	0.0	
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	20.09	20.18	20.30	21.0	0.0	
40	PI2 BPSK	1	108	20.18	20.25	20.24			
40	PI2 BPSK	1	214	20.11	20.09	20.21	21.0	0.0	
40	PI2 BPSK	108	0	20.15	20.18	20.28	21.0	0.0	
40	PI2 BPSK	108	54	20.26	20.20	20.20	21.0	0.0	
40	PI2 BPSK	108	108	20.22	19.99	20.10	21.0	0.0	
40	PI2 BPSK	216	0	20.13	20.28	20.28	21.0	0.0	
40	QPSK	1	1	20.37	20.48	20.38			
40	QPSK	1	108	20.29	20.33	20.14	21.0	0.0	
40	QPSK	1	214	20.22	20.14	20.14	21.0	0.0	
40	QPSK	108	0	20.27	20.15	20.30			
40	QPSK	108	54	20.28	20.44	20.26	21.0	0.0	
40	QPSK	108	108	20.28	20.13	20.13	21.0	0.0	
40	QPSK	216	0	20.28	20.34	20.26	21.0	0.0	
40	16QAM	1	1	20.11	20.16	20.28			
40	64QAM	1	1	20.07	20.03	20.11	21.0	0.0	
40	256QAM	1	1	19.98	19.95	19.99	20.5	0.5	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900	21.0	0.0	
30	QPSK	1	1	20.16	20.24	20.25	21.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5	21.0	0.0	
25	QPSK	1	1	20.23	20.34	20.22	21.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1902	21.0	0.0	
20	QPSK	1	1	20.15	20.24	20.17	21.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	21.0	0.0	
15	QPSK	1	1	20.22	20.44	20.16	21.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910	21.0	0.0	
10	QPSK	1	1	20.16	20.35	20.09	21.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5	21.0	0.0	
5	QPSK	1	1	20.27	20.33	20.24	21.0	0.0	

n66 Ant0 Handheld SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	23.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.41	22.44	22.60	23.0	0.0	
40	PI2 BPSK	1	108	22.46	22.40	22.46			
40	PI2 BPSK	1	214	22.54	22.51	22.50	23.0	0.0	
40	PI2 BPSK	108	0	22.45	22.43	22.55	23.0	0.0	
40	PI2 BPSK	108	54	22.52	22.44	22.42	23.0	0.0	
40	PI2 BPSK	108	108	22.55	22.47	22.54	23.0	0.0	
40	PI2 BPSK	216	0	22.48	22.61	22.48	23.0	0.0	
40	QPSK	1	1	22.58	22.67	22.55			
40	QPSK	1	108	22.44	22.57	22.42	23.0	0.0	
40	QPSK	1	214	22.51	22.50	22.55	23.0	0.0	
40	QPSK	108	0	22.57	22.48	22.48			
40	QPSK	108	54	22.41	22.60	22.52	23.0	0.0	
40	QPSK	108	108	22.44	22.49	22.40	23.0	0.0	
40	QPSK	216	0	22.50	22.52	22.42	23.0	0.0	
40	16QAM	1	1	22.43	22.45	22.44			
40	64QAM	1	1	21.36	21.44	21.43	22.0	1.0	
40	256QAM	1	1	19.94	19.05	19.43	20.0	3.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	23.0	0.0	
30	QPSK	1	1	22.47	22.52	22.40	23.0	0.0	
Channel				344000	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	23.0	0.0	
25	QPSK	1	1	22.45	22.55	22.42	23.0	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	23.0	0.0	
20	QPSK	1	1	22.47	22.57	22.45	23.0	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	23.0	0.0	
15	QPSK	1	1	22.51	22.54	22.41	23.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	23.0	0.0	
10	QPSK	1	1	22.44	22.60	22.46	23.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	23.0	0.0	
5	QPSK	1	1	22.49	22.63	22.45	23.0	0.0	



n2 Ant1 Handheld SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				376000	376000	376000	19.0	0.0	
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	18.13	18.15	18.30	19.0	0.0	
40	PI2 BPSK	1	108	18.15	18.12	18.17			
40	PI2 BPSK	1	214	18.19	18.26	18.15	19.0	0.0	
40	PI2 BPSK	108	0	18.17	18.10	18.25	19.0	0.0	
40	PI2 BPSK	108	54	18.22	18.20	18.12	19.0	0.0	
40	PI2 BPSK	108	108	18.21	18.22	18.25	19.0	0.0	
40	PI2 BPSK	216	0	18.19	18.26	18.21	19.0	0.0	
40	QPSK	1	1	18.26	18.40	18.28	19.0	0.0	
40	QPSK	1	108	18.10	18.26	18.10			
40	QPSK	1	214	18.26	18.26	18.30	19.0	0.0	
40	QPSK	108	0	18.23	18.13	18.17	19.0	0.0	
40	QPSK	108	54	18.13	18.31	18.27	19.0	0.0	
40	QPSK	108	108	18.10	18.15	18.13	19.0	0.0	
40	QPSK	216	0	18.21	18.27	18.15	19.0	0.0	
40	16QAM	1	1	18.16	18.11	18.12	19.0	0.0	
40	64QAM	1	1	18.19	18.24	18.14	19.0	0.0	
40	256QAM	1	1	18.12	18.21	18.19	19.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895	19.0	0.0	
30	QPSK	1	1	18.15	18.28	18.10			
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	19.0	0.0	
25	QPSK	1	1	18.16	18.22	18.20			
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905	19.0	0.0	
20	QPSK	1	1	18.18	18.24	18.20			
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	19.0	0.0	
15	QPSK	1	1	18.14	18.28	18.15			
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	19.0	0.0	
10	QPSK	1	1	18.22	18.25	18.20			
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1897.5	19.0	0.0	
5	QPSK	1	1	18.18	18.20	18.14			

n25 Ant1 Handheld SA									
BW [MHz]	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	19.0	0.0	
Frequency (MHz)				1870	1882.5	1896			
40	PI2 BPSK	1	1	18.24	18.25	18.40	19.0	0.0	
40	PI2 BPSK	1	108	18.31	18.28	18.25			
40	PI2 BPSK	1	214	18.32	18.35	18.29	19.0	0.0	
40	PI2 BPSK	108	0	18.22	18.24	18.31	19.0	0.0	
40	PI2 BPSK	108	54	18.33	18.25	18.22	19.0	0.0	
40	PI2 BPSK	108	108	18.36	18.34	18.35	19.0	0.0	
40	PI2 BPSK	216	0	18.32	18.40	18.36	19.0	0.0	
40	QPSK	1	1	18.46	18.53	18.39	19.0	0.0	
40	QPSK	1	108	18.26	18.38	18.22			
40	QPSK	1	214	18.31	18.33	18.39	19.0	0.0	
40	QPSK	108	0	18.26	18.21	18.23	19.0	0.0	
40	QPSK	108	54	18.16	18.37	18.36	19.0	0.0	
40	QPSK	108	108	18.20	18.28	18.28	19.0	0.0	
40	QPSK	216	0	18.26	18.32	18.26	19.0	0.0	
40	16QAM	1	1	18.23	18.22	18.20	19.0	0.0	
40	64QAM	1	1	18.24	18.30	18.23	19.0	0.0	
40	256QAM	1	1	18.25	18.32	18.25	19.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900	19.0	0.0	
30	QPSK	1	1	18.23	18.42	18.32			
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5	19.0	0.0	
25	QPSK	1	1	18.30	18.45	18.33			
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905	19.0	0.0	
20	QPSK	1	1	18.27	18.40	18.25			
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	19.0	0.0	
15	QPSK	1	1	18.26	18.41	18.26			
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910	19.0	0.0	
10	QPSK	1	1	18.22	18.43	18.28			
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5	19.0	0.0	
5	QPSK	1	1	18.31	18.38	18.34			

n66 Ant1 Handheld SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	348000	350000	21.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	19.62	19.63	19.76	21.0	0.0	
40	PI2 BPSK	1	108	19.65	19.68	19.66			
40	PI2 BPSK	1	214	19.66	19.79	19.62	21.0	0.0	
40	PI2 BPSK	108	0	19.70	19.56	19.70	21.0	0.0	
40	PI2 BPSK	108	54	19.66	19.72	19.66	21.0	0.0	
40	PI2 BPSK	108	108	19.71	19.76	19.70	21.0	0.0	
40	PI2 BPSK	216	0	19.63	19.73	19.66	21.0	0.0	
40	QPSK	1	1	19.80	19.87	19.82	21.0	0.0	
40	QPSK	1	108	19.85	19.73	19.80			
40	QPSK	1	214	19.75	19.80	19.78	21.0	0.0	
40	QPSK	108	0	19.78	19.68	19.61	21.0	0.0	
40	QPSK	108	54	19.62	19.83	19.72	21.0	0.0	
40	QPSK	108	108	19.64	19.67	19.58	21.0	0.0	
40	QPSK	216	0	19.62	19.77	19.60	21.0	0.0	
40	16QAM	1	1	19.68	19.56	19.66	21.0	0.0	
40	64QAM	1	1	19.71	19.69	19.67	21.0	0.0	
40	256QAM	1	1	18.45	18.59	18.61	19.5	1.5	
Channel				345000	348000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	21.0	0.0	
30	PI2 BPSK	1	1	19.75	19.76	19.69			
Channel				344000	348000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	21.0	0.0	
25	PI2 BPSK	1	1	19.66	19.82	19.68			
Channel				343000	348000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	21.0	0.0	
20	256QAM	1	1	19.72	19.80	19.68			
Channel				342000	348000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	21.0	0.0	
15	QPSK	1	1	19.65	19.73	19.74			
Channel				341000	348000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	21.0	0.0	
10	QPSK	1	1	19.74	19.79	19.75			
Channel				340500	348000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	21.0	0.0	
5	QPSK	1	1	19.65	19.78	19.72			

n70 Ant1 Handheld SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				340000			21.0	0.0
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1		19.53		21.0	0.0
15	PI2 BPSK	1	40		19.54			
15	PI2 BPSK	1	77		19.42			
15	PI2 BPSK	36	0		19.42		21.0	0.0
15	PI2 BPSK	36	22		19.62		21.0	0.0
15	PI2 BPSK	36	43		19.62		21.0	0.0
15	PI2 BPSK	75	0		19.67			
15	QPSK	1	1		19.79		21.0	0.0
15	QPSK	1	40		19.62			
15	QPSK	1	77		19.73			
15	QPSK	36	0		19.54		21.0	0.0
15	QPSK	36	22		19.73		21.0	0.0
15	QPSK	36	43		19.60		21.0	0.0
15	QPSK	75	0		19.71			
15	16QAM	1	1		19.48		21.0	0.0
15	16QAM	1	1		19.62		21.0	0.0
15	256QAM	1	1		18.35		19.5	1.5
Channel				340000	340500	341000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	19.67	19.73	19.64	21.0	0.0
Channel				339500	339500	341500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	19.63	19.65	19.74	21.0	0.0



n48 Ant3 Handheld SA

BW [MHz]	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)				3670	3624.99	3679.98		
40	PI2 BPSK	1	1	19.84	19.91	20.02		
40	PI2 BPSK	1	50	19.92	19.97	19.96		0.0
40	PI2 BPSK	1	104	19.96	20.00	19.91		
40	PI2 BPSK	50	0	19.92	19.87	19.96	21.5	0.0
40	PI2 BPSK	50	28	20.03	19.92	19.94	21.5	0.0
40	PI2 BPSK	50	56	19.92	20.15	20.01		
40	PI2 BPSK	100	0	19.97	20.06	19.95	21.5	0.0
40	QPSK	1	1	20.05	20.16	20.08		
40	QPSK	1	53	20.03	19.98	19.91	21.5	0.0
40	QPSK	1	104	20.01	20.09	20.06		
40	QPSK	50	0	20.05	19.93	19.99	21.5	0.0
40	QPSK	50	28	19.92	20.12	20.01	21.5	0.0
40	QPSK	50	56	19.90	20.03	19.89	21.5	0.0
40	QPSK	100	0	19.85	20.06	19.94		
40	16QAM	1	1	19.88	19.92	19.98	21.5	0.0
40	64QAM	1	1	19.90	19.96	19.99	21.5	0.0
40	256QAM	1	1	17.28	17.42	17.33	19.5	2.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3694.99		
30	QPSK	1	1	19.95	20.00	19.98	21.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.92	20.06	19.94	21.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.51	3624.99	3692.69		
15	QPSK	1	1	19.95	19.99	19.96	21.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.93	20.09	19.99	21.5	0.0

Part270 n77_Ant3 Handheld SA PC2&3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.84	22.10	22.08		
100	PI2 BPSK	1	137	21.94	22.11	21.86	23.0	0.0
100	PI2 BPSK	1	271	22.01	22.18	21.93		
100	PI2 BPSK	135	0	21.64	21.63	21.59	23.0	0.0
100	PI2 BPSK	135	69	22.12	22.09	21.93	23.0	0.0
100	PI2 BPSK	135	138	21.32	21.45	21.48		
100	PI2 BPSK	270	0	21.84	21.81	21.65	23.0	0.0
100	QPSK	1	1	22.10	22.25	22.13		
100	QPSK	1	137	21.96	22.05	21.89	23.0	0.0
100	QPSK	1	271	21.96	22.16	22.03		
100	QPSK	135	0	20.73	20.98	20.81	23.0	0.0
100	QPSK	135	69	22.05	22.22	21.90	23.0	0.0
100	QPSK	135	138	21.82	21.95	21.67	23.0	0.0
100	QPSK	270	0	21.81	22.12	21.93		
100	16QAM	1	1	21.74	21.98	21.56	23.0	0.0
100	64QAM	1	1	20.24	20.48	20.06	21.5	1.5
100	256QAM	1	1	17.66	18.05	17.53	19.5	3.5
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.07	21.90	21.67	23.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.80	21.96	21.86	23.0	0.0
Channel				648000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.79	22.03	21.88	23.0	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.81	21.95	21.86	23.0	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.81	21.97	21.90	23.0	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.84	22.02	21.79	23.0	0.0
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
30	QPSK	1	1	21.86	21.98	21.80	23.0	0.0
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	21.81	22.03	21.92	23.0	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.75	22.03	21.92	23.0	0.0
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	21.83	22.00	21.91	23.0	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	21.84	22.02	21.83	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				630000	633334	636668		
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1		21.80			
100	PI2 BPSK	1	137		22.11		23.0	0.0
100	PI2 BPSK	1	271		22.17			
100	PI2 BPSK	135	0		21.92		23.0	0.0
100	PI2 BPSK	135	69		21.94		23.0	0.0
100	PI2 BPSK	135	138		22.08		23.0	0.0
100	PI2 BPSK	270	0		22.04			
100	QPSK	1	1		22.10			
100	QPSK	1	137		22.14		23.0	0.0
100	QPSK	1	271		22.10			
100	QPSK	135	0		22.13		23.0	0.0
100	QPSK	135	69		22.17		23.0	0.0
100	QPSK	135	138		22.14		23.0	0.0
100	QPSK	270	0		22.02			
100	16QAM	1	1		22.00		23.0	0.0
100	64QAM	1	1		20.81		21.5	1.5
100	256QAM	1	1		18.65		19.5	3.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.75	21.72	21.60	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.75	21.79	21.90	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.79	21.80	21.79	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.79	21.82	21.80	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.81	21.79	21.85	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.83	21.70	21.90	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.71	21.78	21.87	23.0	0.0
Channel				630834	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.78	21.82	21.81	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.78	21.77	21.80	23.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.76	21.77	21.80	23.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.84	21.72	21.81	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		21.74		23.0	0.0
100	PI2 BPSK	1	137		22.08			
100	PI2 BPSK	1	271		22.14		23.0	0.0
100	PI2 BPSK	135	0		21.92			
100	PI2 BPSK	135	69		22.03		23.0	0.0
100	PI2 BPSK	135	138		22.05		23.0	0.0
100	PI2 BPSK	270	0		22.04		23.0	0.0
100	QPSK	1	1		22.17		23.0	0.0
100	QPSK	1	137		22.18			
100	QPSK	1	271		22.15		23.0	0.0
100	QPSK	135	0		22.11		23.0	0.0
100	QPSK	135	69		22.15		23.0	0.0
100	QPSK	135	138		22.11		23.0	0.0
100	QPSK	270	0		21.89		23.0	0.0
100	16QAM	1	1		21.98		23.0	0.0
100	64QAM	1	1		20.69		21.5	1.5
100	256QAM	1	1		18.63		19.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	21.28	21.38	21.52	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	21.46	21.40	21.52	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	95	21.45	21.35	21.36	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	21.30	21.48	21.51	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	21.42	21.33	21.48	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	21.46	21.44	21.49	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	39	21.57	21.38	21.55	23.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	32	21.46	21.32	21.37	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	21.42	21.44	21.42	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	21.38	21.42	21.43	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	21.29	21.33	21.42	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		21.77		23.0	0.0
100	PI2 BPSK	1	137		22.05			
100	PI2 BPSK	1	271		22.12		23.0	0.0
100	PI2 BPSK	135	0		21.82			
100	PI2 BPSK	135	69		21.94		23.0	0.0
100	PI2 BPSK	135	138		22.08		23.0	0.0
100	PI2 BPSK	270	0		21.98		23.0	0.0
100	QPSK	1	1		22.16		23.0	0.0
100	QPSK	1	137		22.11			
100	QPSK	1	271		22.12		23.0	0.0
100	QPSK	135	0		22.06		23.0	0.0
100	QPSK	135	69		22.14		23.0	0.0
100	QPSK	135	138		22.11		23.0	0.0
100	QPSK	270	0		22.01		23.0	0.0
100	16QAM	1	1		22.01		23.0	0.0
100	64QAM	1	1		20.69		21.5	1.5
100	256QAM	1	1		18.62		19.5	3.5
Channel				633000	63334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	21.35	21.40	21.48	23.0	0.0
Channel				632668	63334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	21.44	21.29	21.48	23.0	0.0
Channel				632334	63334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	95	21.36	21.28	21.42	23.0	0.0
Channel				632000	63334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	21.29	21.39	21.58	23.0	0.0
Channel				631668	63334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	21.47	21.29	21.51	23.0	0.0
Channel				631334	63334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	21.44	21.28	21.34	23.0	0.0
Channel				631000	63334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	21.59	21.44	21.48	23.0	0.0
Channel				630668	63334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	32	21.33	21.38	21.41	23.0	0.0
Channel				630668	63334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	21.29	21.30	21.34	23.0	0.0
Channel				630500	63334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	21.29	21.45	21.48	23.0	0.0
Channel				630334	63334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	21.36	21.34	21.56	23.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (db)	
Channel									
Frequency (MHz)				3370	3624.99	3679.98			
40	PI2 BPSK	1	1	20.35	20.50	20.51		22.2	0.0
40	PI2 BPSK	1	53	20.52	20.57	20.45			
40	PI2 BPSK	1	104	20.63	20.77	20.47			
40	PI2 BPSK	50	0	20.55	20.50	20.62	22.2		
40	PI2 BPSK	50	28	20.61	20.52	20.50	22.2	0.0	
40	PI2 BPSK	50	58	20.58	20.57	20.59		22.2	0.0
40	PI2 BPSK	100	0	20.61	20.65	20.55			
40	QPSK	1	1	20.64	20.76	20.60			
40	QPSK	1	53	20.65	20.71	20.59		22.2	0.0
40	QPSK	1	104	20.60	20.76	20.71			
40	QPSK	50	0	20.66	20.72	20.66	22.2		
40	QPSK	50	28	20.51	20.67	20.69	22.2	0.0	
40	QPSK	50	58	20.55	20.51	20.42		22.2	0.0
40	QPSK	100	0	20.46	20.58	20.48			
40	16QAM	1	1	20.59	20.49	20.50	22.2		
40	64QAM	1	1	18.83	18.96	18.73	20.7	0.0	1.5
40	256QAM	1	1	17.03	17.16	17.08	18.7	3.5	
Channel				637668	641666	645666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	20.54	20.74	20.48	22.2	0.0	
Channel									
Frequency (MHz)				637334	641666	646000	Tune-up limit (dbm)	MPR (db)	
Channel				3560.01	3624.99	3690			
20	QPSK	1	1	20.50	20.70	20.48	22.2	0.0	
Channel									
Frequency (MHz)				637168	641666	646166	Tune-up limit (dbm)	MPR (db)	
Channel				3567.52	3624.99	3692.99			
15	QPSK	1	1	20.54	20.62	20.49	22.2	0.0	
Channel									
Frequency (MHz)				637000	641666	646332	Tune-up limit (dbm)	MPR (db)	
Channel				3555	3624.99	3694.98			
10	QPSK	1	1	20.49	20.66	20.45	22.2	0.0	

Part270 n77_Ant4 Handheld SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000	650000	650000			
100	PI2 BPSK	1	1	21.08	21.20	21.29			
100	PI2 BPSK	1	137	21.24	21.27	21.19	22.5	0.0	
100	PI2 BPSK	1	271	21.32	21.43	21.14			
100	PI2 BPSK	135	0	21.30	21.25	21.26	22.5	0.0	
100	PI2 BPSK	135	69	21.30	21.19	21.26	22.5	0.0	
100	PI2 BPSK	135	138	21.24	21.28	21.20	22.5	0.0	
100	PI2 BPSK	270	0	21.36	21.35	21.35			
100	QPSK	1	1	21.45	21.55	21.34			
100	QPSK	1	137	21.31	21.41	21.22	22.5	0.0	
100	QPSK	1	271	21.28	21.46	21.37			
100	QPSK	135	0	21.40	21.38	21.38	22.5	0.0	
100	QPSK	135	69	21.30	21.46	21.40	22.5	0.0	
100	QPSK	135	138	21.23	21.43	21.18	22.5	0.0	
100	QPSK	270	0	21.11	21.26	21.24			
100	16QAM	1	1	21.26	21.28	21.20	22.5	0.0	
100	64QAM	1	1	19.73	19.95	19.79	21.0	1.5	
100	256QAM	1	1	17.79	17.94	17.89	19.0	3.5	
Channel									
Frequency (MHz)				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Channel				3745.02	3840	3935.01			
90	QPSK	1	1	21.22	21.41	21.18	22.5	0.0	
Channel									
Frequency (MHz)				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Channel				3740.01	3840	3940.02			
80	QPSK	1	1	21.24	21.36	21.13	22.5	0.0	
Channel									
Frequency (MHz)				648000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Channel				3735	3840	3945			
70	QPSK	1	1	21.33	21.31	21.17	22.5	0.0	
Channel									
Frequency (MHz)				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Channel				3730.02	3840	3950.01			
60	QPSK	1	1	21.30	21.33	21.13	22.5	0.0	
Channel									
Frequency (MHz)				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Channel				3725.01	3840	3955.02			
50	QPSK	1	1	21.26	21.38	21.12	22.5	0.0	
Channel									
Frequency (MHz)				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Channel				3720	3840	3960			
40	QPSK	1	1	21.34	21.42	21.10	22.5	0.0	
Channel									
Frequency (MHz)				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Channel				3745.02	3840	3935.01			
30	QPSK	1	1	21.31	21.32	21.22	22.5	0.0	
Channel									
Frequency (MHz)				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Channel				3712.5	3840	3967.5			
25	QPSK	1	1	21.11	21.29	21.01	22.5	0.0	
Channel									
Frequency (MHz)				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Channel				3710.01	3840	3970.02			
20	QPSK	1	1	21.19	21.21	21.08	22.5	0.0	
Channel									
Frequency (MHz)				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Channel				3707.52	3840	3972.51			
15	QPSK	1	1	21.16	21.33	21.01	22.5	0.0	
Channel									
Frequency (MHz)				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Channel				3705	3840	3975			
10	QPSK	1	1	21.10	21.24	21.01	22.5	0.0	

Part270Q n77_Ant4 Handheld SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)						3600.01			
100	PI2 BPSK	1	1		21.33				
100	PI2 BPSK	1	137		21.49		22.5	0.0	
100	PI2 BPSK	1	271		21.59				
100	PI2 BPSK	135	0		21.50		22.5	0.0	
100	PI2 BPSK	135	69		21.43		22.5	0.0	
100	PI2 BPSK	135	138		21.47		22.5	0.0	
100	PI2 BPSK	270	0		21.43		22.5	0.0	
100	QPSK	1	1		21.72				
100	QPSK	1	137		21.50		22.5	0.0	
100	QPSK	1	271		21.69				
100	QPSK	135	0		21.60		22.5	0.0	
100	QPSK	135	69		21.69		22.5	0.0	
100	QPSK	135	138		21.42		22.5	0.0	
100	QPSK	270	0		21.60		22.5	0.0	
100	16QAM	1	1		21.50		22.5	0.0	
100	64QAM	1	1		20.03		21.0	1.5	
100	256QAM	1	1		18.43		19.0	3.5	
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	3486	3600.01	3606.02	22.5	0.0	
90	QPSK	1	1	21.51	21.59	21.38	22.5	0.0	
Channel									
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3490.02	3600.01	3610	22.5	0.0	
80	QPSK	1	1	21.42	21.51	21.50	22.5	0.0	
80	QPSK	1	1	632213	633334	634334	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3485.01	3600.01	3616.01	22.5	0.0	
70	QPSK	1	1	21.54	21.59	21.34	22.5	0.0	
Channel									
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3486	3600.01	3620.02	22.5	0.0	
60	QPSK	1	1	21.44	21.64	21.40	22.5	0.0	
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3476.02	3600.01	3626	22.5	0.0	
50	QPSK	1	1	21.50	21.63	21.40	22.5	0.0	
50	QPSK	1	1	631333	633334	635334	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3470.01	3600.01	3630.01	22.5	0.0	
40	QPSK	1	1	21.41	21.54	21.37	22.5	0.0	
40	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3492	3600.01	3636.02	22.5	0.0	
30	QPSK	1	1	21.44	21.64	21.31	22.5	0.0	
30	QPSK	1	1	630934	633334	636334	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3482.51	3600.01	3637.51	22.5	0.0	
25	QPSK	1	1	21.53	21.56	21.38	22.5	0.0	
25	QPSK	1	1	630668	633334	636660	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	3480.02	3600.01	3646	22.5	0.0	
20	QPSK	1	1	21.48	21.58	21.30	22.5	0.0	
20	QPSK	1	1	630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3457.5	3600.01	3642.52	22.5	0.0	
15	QPSK	1	1	21.64	21.54	21.33	22.5	0.0	
15	QPSK	1	1	630233	633334	636034	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3455.01	3600.01	3645.01	22.5	0.0	
10	QPSK	1	1	21.52	21.52	21.36	22.5	0.0	

Part27O n78_Ant4 Handheld SA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		21.09			
100	PI2 BPSK	1	137		21.35		22.5	0.0
100	PI2 BPSK	1	221		20.49			
100	PI2 BPSK	135	0		21.31		22.5	0.0
100	PI2 BPSK	135	69		21.20		22.5	0.0
100	PI2 BPSK	135	138		21.27		22.5	0.0
100	PI2 BPSK	270	0		21.34		22.5	0.0
100	QPSK	1	1		21.51		22.5	0.0
100	QPSK	1	137		21.45			
100	QPSK	1	271		21.37		22.5	0.0
100	QPSK	135	0		21.45			
100	QPSK	135	69		21.40		22.5	0.0
100	QPSK	135	138		21.38		22.5	0.0
100	QPSK	270	0		21.27		22.5	0.0
100	16QAM	1	1		21.28		22.5	0.0
100	64QAM	1	1		19.85		21.0	1.5
100	256QAM	1	1		18.03		19.0	3.5
Channel				649668	650000	650334	Tune-up limit (dB)	MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123		21.62	21.60	21.50	22.5 0.0
Channel				849334	850000	850668	Tune-up limit (dB)	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109		21.58	21.69	21.61	22.5 0.0
Channel				649000	650000	651000	Tune-up limit (dB)	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95		21.64	21.78	21.53	22.5 0.0
Channel				648668	650000	651334	Tune-up limit (dB)	MPR
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81		21.59	21.74	21.49	22.5 0.0
Channel				849334	850000	850668	Tune-up limit (dB)	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67		21.59	21.66	21.59	22.5 0.0
Channel				648000	650000	652000	Tune-up limit (dB)	MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53		21.80	21.74	21.51	22.5 0.0
Channel				647668	650000	652334	Tune-up limit (dB)	MPR
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39		21.53	21.71	21.46	22.5 0.0
Channel				847990	850000	852000	Tune-up limit (dB)	MPR
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	32		21.54	21.59	21.57	22.5 0.0
Channel				847334	850000	852668	Tune-up limit (dB)	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26		21.49	21.87	21.58	22.5 0.0
Channel				647168	650000	652834	Tune-up limit (dB)	MPR
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19		21.49	21.71	21.51	22.5 0.0
Channel				847000	850000	853000	Tune-up limit (dB)	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12		21.68	21.64	21.48	22.5 0.0

Part27Q 78_Ant4 Handheld SA

BW [MHz]	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	PI2 BPSK	1	1		21.27			
100	PI2 BPSK	1	137		21.46		22.5	0.0
100	PI2 BPSK	1	221		21.57			
100	PI2 BPSK	135	0		21.53		22.5	0.0
100	PI2 BPSK	135	69		21.50		22.5	0.0
100	PI2 BPSK	135	138		21.47		22.5	0.0
100	PI2 BPSK	270	0		21.47		22.5	0.0
100	QPSK	1	1		21.71		22.5	0.0
100	QPSK	1	137		21.59			
100	QPSK	1	271		21.64		22.5	0.0
100	QPSK	135	0		21.63			
100	QPSK	135	69		21.68		22.5	0.0
100	QPSK	135	138		21.38		22.5	0.0
100	QPSK	270	0		21.58		22.5	0.0
100	16QAM	1	1		21.50		22.5	0.0
100	64QAM	1	1		20.00		21.0	1.5
100	256QAM	1	1		17.93		19.0	3.5
Channel				633983	633557	633783	Tune-up limit (dB)	MPR
Frequency (MHz)				3496.25	3503.35	3508.9		
90	QPSK	1	123		21.61	21.64	21.64	22.5 0.0
Channel				832847	833557	834030	Tune-up limit (dB)	MPR
Frequency (MHz)				3492.7	3503.35	3510.45		
80	QPSK	1	109		21.62	21.77	21.54	22.5 0.0
Channel				632373	633557	634593	Tune-up limit (dB)	MPR
Frequency (MHz)				3486.9	3503.35	3517.65		
70	QPSK	1	95		21.67	21.69	21.63	22.5 0.0
Channel				632137	633557	634740	Tune-up limit (dB)	MPR
Frequency (MHz)				3482.05	3503.35	3521.1		
60	QPSK	1	81		21.51	21.64	21.50	22.5 0.0
Channel				831990	833557	835213	Tune-up limit (dB)	MPR
Frequency (MHz)				3478.5	3503.35	3528.2		
50	QPSK	1	67		21.61	21.69	21.54	22.5 0.0
Channel				631427	633557	635450	Tune-up limit (dB)	MPR
Frequency (MHz)				3471.4	3503.35	3531.75		
40	QPSK	1	53		21.56	21.66	21.56	22.5 0.0
Channel				631190	633557	635687	Tune-up limit (dB)	MPR
Frequency (MHz)				3467.65	3503.35	3535.3		
30	QPSK	1	39		21.62	21.59	21.47	22.5 0.0
Channel				830953	833557	835923	Tune-up limit (dB)	MPR
Frequency (MHz)				3464.3	3503.35	3538.85		
25	QPSK	1	32		21.53	21.60	21.50	22.5 0.0
Channel				830717	833557	836160	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.75	3503.35	3542.4		
20	QPSK	1	26		21.65	21.62	21.64	22.5 0.0
Channel				630717	633557	836397	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.75	3503.35	3545.95		
15	QPSK	1	19		21.51	21.72	21.55	22.5 0.0
Channel				830490	833557	836397	Tune-up limit (dB)	MPR
Frequency (MHz)				3457.2	3503.35	3545.95		
10	QPSK	1	12		21.56	21.71	21.47	22.5 0.0



n41_FCC PC2&PC3 Ant5 Handheld SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509200	518598	530000			
Frequency (MHz)				2548.01	2592.99	2640			
100	P12 BPSK	1	1	19.63	19.77	19.75			
100	P12 BPSK	1	137	19.70	19.74	19.77			
100	P12 BPSK	1	271	19.77	19.74	19.76			
100	P12 BPSK	135	0	19.76	19.73	19.81	21.0	0.0	
100	P12 BPSK	135	69	19.78	19.83	19.78	21.0	0.0	
100	P12 BPSK	135	138	19.71	19.74	19.83			
100	P12 BPSK	270	0	19.85	19.87	19.76			
100	QPSK	1	1	19.80	19.80	19.86			
100	QPSK	1	137	19.64	19.76	19.76	21.0	0.0	
100	QPSK	1	271	19.75	19.82	19.83			
100	QPSK	135	0	19.23	19.33	19.21	21.0	0.0	
100	QPSK	135	69	19.65	19.63	19.80	21.0	0.0	
100	QPSK	135	138	19.94	19.08	19.83	21.0	0.0	
100	QPSK	270	0	19.93	19.04	18.97			
100	15QAM	1	1	19.17	19.31	19.19	21.0	0.0	
100	64QAM	1	1	17.66	17.75	17.83	21.0	0.0	
100	256QAM	1	1	15.68	15.87	15.78	21.0	0.0	
Channel				506200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	QPSK	1	1	19.21	19.30	19.25	21.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)		
80	QPSK	1	1	19.24	19.35	19.39	21.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				19.26	19.23	19.23	21.0	0.0	
70	QPSK	1	1	19.13	19.34	19.26	21.0	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	QPSK	1	1	19.26	19.23	19.23	21.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)		
50	QPSK	1	1	19.12	19.30	19.30	21.0	0.0	
Channel				500202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	QPSK	1	1	19.26	19.32	19.28	21.0	0.0	
Channel				502000	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	19.32	19.40	19.34	21.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	QPSK	1	1	19.11	19.23	19.24	21.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2682.48	(dB)		
15	QPSK	1	1	19.23	19.31	19.34	21.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	(dB)		
10	QPSK	1	1	19.19	19.26	19.25	21.0	0.0	

n48 Ant5 Handheld SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630000	641696	645332			
Frequency (MHz)				3670	3624.99	3676.98			
40	P12 BPSK	1	1	20.03	20.09	19.99			
40	P12 BPSK	1	53	20.02	20.04	19.95	21.5	0.0	
40	P12 BPSK	1	104	19.78	19.97	19.91			
40	P12 BPSK	50	0	19.62	19.71	19.62	21.5	0.0	
40	P12 BPSK	50	28	20.08	20.02	19.89	21.5	0.0	
40	P12 BPSK	50	56	19.51	19.52	19.58			
40	P12 BPSK	100	0	19.45	19.65	19.43	21.5	0.0	
40	QPSK	1	1	20.04	20.15	20.05			
40	QPSK	1	53	20.09	20.02	19.88	21.5	0.0	
40	QPSK	1	104	19.81	19.86	19.98			
40	QPSK	50	0	18.94	19.14	19.01	21.5	0.0	
40	QPSK	50	28	19.86	20.11	20.01	21.5	0.0	
40	QPSK	50	56	19.91	20.05	20.11	21.5	0.0	
40	QPSK	100	0	19.86	20.08	19.98			
40	15QAM	1	1	19.85	20.05	20.01	21.5	0.0	
40	64QAM	1	1	19.82	19.97	20.01	21.5	0.0	
40	256QAM	1	1	17.79	17.90	17.99	#VALUE!	S	
Channel				637668	641696	645968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3665.02	3624.99	3684.99	(dB)		
30	QPSK	1	1	19.69	20.10	19.69	21.5	0.0	
Channel				637334	641696	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.01	3624.99	3680	(dB)		
20	QPSK	1	1	19.81	20.01	19.99	21.5	0.0	
Channel				637168	641696	646168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	3692.49	(dB)		
15	QPSK	1	1	19.85	19.95	19.25	21.5	0.0	
Channel				637000	641696	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3694.98	(dB)		
10	QPSK	1	1	19.99	20.09	19.97	21.5	0.0	

Part270 n77_Ant5 Handheld SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	20.28	20.52	20.60			
100	P12 BPSK	1	137	20.61	20.70	20.39	22.0	0.0	
100	P12 BPSK	1	271	20.58	20.68	20.30			
100	P12 BPSK	135	0	20.46	20.50	20.53	22.0	0.0	
100	P12 BPSK	135	69	20.62	20.62	20.43	22.0	0.0	
100	P12 BPSK	135	138	20.63	20.66	20.52	22.0	0.0	
100	P12 BPSK	270	0	20.54	20.67	20.60			
100	QPSK	1	1	20.78	20.81	20.67			
100	QPSK	1	137	20.59	20.58	20.45	22.0	0.0	
100	QPSK	1	271	20.68	20.75	20.69			
100	QPSK	135	0	20.67	20.65	20.57	22.0	0.0	
100	QPSK	135	69	20.67	20.77	20.70	22.0	0.0	
100	QPSK	135	138	20.59	20.76	20.49	22.0	0.0	
100	QPSK	270	0	20.45	20.50	20.46			
100	16QAM	1	1	20.65	20.48	20.53	22.0	0.0	
100	64QAM	1	1	20.12	20.18	20.29	21.5	0.5	
100	256QAM	1	1	18.15	18.14	18.31	19.5	2.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dB)		
90	QPSK	1	1	20.58	20.56	20.48	22.0	0.0	
Channel				637334	641696	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dB)		
80	QPSK	1	1	20.56	20.60	20.45	22.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	22.0	0.0	
70	QPSK	1	1	20.66	20.65	20.48	22.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	(dB)		
60	QPSK	1	1	20.68	20.61	20.54	22.0	0.0	
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dB)		
50	QPSK	1	1	20.60	20.66	20.46	22.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	22.0	0.0	
40	QPSK	1	1	20.58	20.70	20.54	22.0	0.0	
Channel				646668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3955.01	(dB)		
30	QPSK	1	1	20.61	20.70	20.56	22.0	0.0	
Channel				647600	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	(dB)		
25	QPSK	1	1	20.53	20.59	20.45	22.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3921.02	(dB)		
20	QPSK	1	1	20.53	20.65	20.47	22.0	0.0	
Channel				647168	660000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	(dB)		
15	QPSK	1	1	20.62	20.57	20.48	22.0	0.0	
Channel				646200	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dB)		
10	QPSK	1	1	20.60	20.68	20.55	22.0	0.0	

Part27Q n77_Ant5 Handheld SA PC2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		20.26		22.0	0.0
100	PI2 BPSK	1	137		20.30			
100	PI2 BPSK	1	271		20.34			
100	PI2 BPSK	135	0		20.32		22.0	0.0
100	PI2 BPSK	135	69		20.29		22.0	0.0
100	PI2 BPSK	135	138		20.34		22.0	0.0
100	PI2 BPSK	270	0		20.32		22.0	0.0
100	QPSK	1	1		20.38		22.0	0.0
100	QPSK	1	137		20.20			
100	QPSK	1	271		20.34			
100	QPSK	135	0		19.15		22.0	0.0
100	QPSK	135	69		20.46		22.0	0.0
100	QPSK	135	138		20.34		22.0	0.0
100	QPSK	270	0		20.42		22.0	0.0
100	16QAM	1	1		20.25		22.0	0.0
100	64QAM	1	1		19.65		21.5	0.5
100	256QAM	1	1		18.09		19.5	2.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	20.32	20.29	20.22	22.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	20.25	20.21	20.14	22.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	20.25	20.29	20.22	22.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	20.24	20.33	20.14	22.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	20.32	20.35	20.16	22.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	20.34	20.32	20.21	22.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	20.24	20.34	20.17	22.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	20.25	20.23	20.27	22.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	20.27	20.23	20.20	22.0	0.0
Channel				630600	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	20.29	20.30	20.17	22.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	20.32	20.28	20.19	22.0	0.0

Part27O n78_Ant5 Handheld SA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		20.38		22.0	0.0	
100	PI2 BPSK	1	137		20.64				
100	PI2 BPSK	1	271		20.63		22.0	0.0	
100	PI2 BPSK	135	0		20.61				
100	PI2 BPSK	135	69		20.49		22.0	0.0	
100	PI2 BPSK	135	138		20.63		22.0	0.0	
100	PI2 BPSK	270	0		20.57		22.0	0.0	
100	QPSK	1	1		20.82		22.0	0.0	
100	QPSK	1	137		20.48				
100	QPSK	1	271		20.64		22.0	0.0	
100	QPSK	135	0		20.70				
100	QPSK	135	69		20.78		22.0	0.0	
100	QPSK	135	138		20.68		22.0	0.0	
100	QPSK	270	0		20.61		22.0	0.0	
100	16QAM	1	1		20.81		22.0	0.0	
100	64QAM	1	1		20.18		21.5	0.5	
100	256QAM	1	1		18.23		19.5	2.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123		20.62	20.87	20.66	22.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109		20.79	20.89	20.57	22.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95		20.78	20.74	20.66	22.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81		20.72	20.73	20.57	22.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67		20.81	20.74	20.59	22.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53		20.81	20.75	20.71	22.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	39		20.76	20.79	20.51	22.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	32		20.74	20.79	20.71	22.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26		20.82	20.85	20.81	22.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19		20.64	20.80	20.58	22.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12		20.74	20.87	20.69	22.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		20.02		22.0	0.0
100	PI2 BPSK	1	137		20.17			
100	PI2 BPSK	1	271		19.98		22.0	0.0
100	PI2 BPSK	135	0		20.15			
100	PI2 BPSK	135	69		20.11		22.0	0.0
100	PI2 BPSK	135	138		20.00		22.0	0.0
100	PI2 BPSK	270	0		20.00		22.0	0.0
100	QPSK	1	1		20.35			
100	QPSK	1	137		19.90		22.0	0.0
100	QPSK	1	271		20.02			
100	QPSK	135	0		19.07		22.0	0.0
100	QPSK	135	69		20.17		22.0	0.0
100	QPSK	135	138		18.85		22.0	0.0
100	QPSK	270	0		18.95		22.0	0.0
100	16QAM	1	1		19.66		22.0	0.0
100	64QAM	1	1		18.97		21.5	0.5
100	256QAM	1	1		17.45		19.5	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
90	QPSK	1	1	632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
80	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Channel								
70	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
60	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
50	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
40	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Channel								
30	QPSK	1	1	630668	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
25	QPSK	1	1	630334	633334	636168	Tune-up limit (dBm)	MPR (dB)
Channel								
20	QPSK	1	1	630000	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	1	629668	633334	636500	Tune-up limit (dBm)	MPR (dB)
Channel								
10	QPSK	1	1	629334	633334	636668	Tune-up limit (dBm)	MPR (dB)

n41_FCC PC2 Ant6 Handheld SA									
BW [MHz]	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			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.50	23.63	23.75	24.5	0.0	
100	PI/2 BPSK	1	137	23.70	23.80	23.67			
100	PI/2 BPSK	1	271	23.71	23.86	23.61			
100	PI/2 BPSK	135	0	23.78	23.82	23.80			
100	PI/2 BPSK	135	69	23.76	23.66	23.67	24.5	0.0	
100	PI/2 BPSK	135	138	23.86	23.71	23.74	24.5	0.0	
100	PI/2 BPSK	270	0	23.88	23.72	23.80			
100	QPSK	1	1	23.93	23.95	23.90	24.5	0.0	
100	QPSK	1	137	23.80	23.67	23.76			
100	QPSK	1	271	23.81	23.92	23.88			
100	QPSK	135	0	23.79	23.85	23.83			
100	QPSK	135	69	23.86	23.83	23.83	24.5	0.0	
100	QPSK	135	138	23.63	23.71	23.69	24.5	0.0	
100	QPSK	270	0	23.70	23.78	23.67			
100	16QAM	1	1	23.76	23.66	23.59	24.5	0.0	
100	64QAM	1	1	23.28	23.37	23.25	24.5	0.0	
100	256QAM	1	1	21.91	21.98	21.92	22.5	2.0	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	23.62	23.70	23.74	24.5	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	23.69	23.71	23.68	24.5	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	23.76	23.80	23.71	24.5	0.0	
Channel				505200	518598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	23.75	23.82	23.60	24.5	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2669.99	(dBm)	(dB)	
50	QPSK	1	1	23.77	23.72	23.64	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	23.67	23.85	23.74	24.5	0.0	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.99	(dBm)	(dB)	
30	QPSK	1	1	23.77	23.72	23.71	24.5	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	23.65	23.83	23.61	24.5	0.0	
Channel				500700	518598	536998	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	23.63	23.83	23.61	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	23.76	23.84	23.62	24.5	0.0	



n48 Ant8 Handheld SA									
BW [MHz]	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)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	17.49	17.87	17.72			
40	PI2 BPSK	1	53	17.50	17.83	17.58	19.6	0.0	
40	PI2 BPSK	1	104	17.55	17.80	17.59	19.6	0.0	
40	PI2 BPSK	50	0	17.64	17.90	17.59	19.6	0.0	
40	PI2 BPSK	50	28	17.63	17.76	17.59	19.6	0.0	
40	PI2 BPSK	50	56	17.61	17.77	17.65	19.6	0.0	
40	PI2 BPSK	100	0	17.60	17.79	17.56	19.6	0.0	
40	QPSK	1	1	17.58	18.01	17.72			
40	QPSK	1	53	17.63	17.85	17.66	19.6	0.0	
40	QPSK	1	104	17.57	17.91	17.58			
40	QPSK	50	0	17.55	17.91	17.57	19.6	0.0	
40	QPSK	50	28	17.48	17.83	17.67	19.6	0.0	
40	QPSK	50	56	17.52	17.81	17.57	19.6	0.0	
40	QPSK	100	0	17.58	17.90	17.72	19.6	0.0	
40	15QAM	1	1	17.51	17.92	17.60	19.6	0.0	
40	64QAM	1	1	17.50	17.76	17.62	19.6	0.0	
40	256QAM	1	1	15.95	16.02	16.10	18.1	1.5	
Channel				637668	641666	645666			
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	39	17.58	17.71	17.52	19.6	0.0	
Channel				637234	641666	646000			
Frequency (MHz)				3560.01	3624.99	3660			
20	QPSK	1	26	17.55	17.80	17.64	19.6	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3555	3624.99	3664.98			
10	QPSK	1	12	17.58	17.81	17.56	19.6	0.0	

3550	0	NREF	0.005	Figloba
3700	0	FREF		

Raster									
15									
30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				714000	725000	736000			
Frequency (MHz)				3570	3625	3680			
40	QPSK	0	0				19.6	0.0	
Channel				713000	725000	737000			
Frequency (MHz)				3565	3625	3685			
30	QPSK	0	0				19.6	0.0	
Channel				712000	725000	738000			
Frequency (MHz)				3560	3625	3690			
20	QPSK	0	0				19.6	0.0	
Channel				711000	725000	739000			
Frequency (MHz)				3555	3625	3695			
10	QPSK	0	0				19.6	0.0	
Channel				710000	725000	740000			
Frequency (MHz)				3550	3625	3700			

Par270 n77 Ant8 Default Power									
BW [MHz]	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	3930			
100	PI2 BPSK	1	1	20.56	20.57	20.62			
100	PI2 BPSK	1	137	20.47	20.66	20.46	22.0	0.0	
100	PI2 BPSK	1	271	20.66	20.72	20.56			
100	PI2 BPSK	135	0	20.20	20.26	20.16	21.5	0.5	
100	PI2 BPSK	135	69	20.73	20.60	20.47	22.0	0.0	
100	PI2 BPSK	135	138	20.08	20.08	20.02			
100	PI2 BPSK	270	0	20.17	20.35	20.46	21.5	0.5	
100	QPSK	1	1	20.75	20.87	20.86			
100	QPSK	1	137	20.34	20.74	20.34	22.0	0.0	
100	QPSK	1	271	20.54	20.51	20.59			
100	QPSK	135	0	19.43	19.54	19.47	22.0	0.0	
100	QPSK	135	69	20.75	20.77	20.67	22.0	0.0	
100	QPSK	135	138	19.27	19.45	19.33	22.0	0.0	
100	QPSK	270	0	19.56	19.63	19.50	21.0	1.0	
100	15QAM	1	1	19.31	19.50	19.41	21.0	1.0	
100	64QAM	1	1	17.70	17.76	17.63	19.5	2.5	
100	256QAM	1	1	15.86	16.24	15.98	17.5	4.5	
Channel				648887	650040	662430			
Frequency (MHz)				3748.3	3840.6	3936.45			
90	QPSK	1	123	20.63	20.72	20.51	22.0	0.0	
Channel				649413	650040	662567			
Frequency (MHz)				3741.2	3840.6	3940			
80	QPSK	1	109	20.64	20.83	20.56	22.0	0.0	
Channel				648177	650040	663140			
Frequency (MHz)				3722.65	3840.6	3947.1			
70	QPSK	1	95	20.59	20.82	20.54	22.0	0.0	
Channel				648703	650040	663377			
Frequency (MHz)				3730.55	3840.6	3950.65			
60	QPSK	1	81	20.68	20.78	20.53	22.0	0.0	
Channel				646467	650040	663500			
Frequency (MHz)				3727	3840.6	3957.75			
50	QPSK	1	67	20.64	20.73	20.62	22.0	0.0	
Channel				646230	650040	664087			
Frequency (MHz)				3723.45	3840.6	3951.3			
40	QPSK	1	53	20.67	20.82	20.58	22.0	0.0	
Channel				647757	650040	664560			
Frequency (MHz)				3716.35	3840.6	3968.4			
30	QPSK	1	39	20.66	20.83	20.53	22.0	0.0	
Channel				647520	650040	664560			
Frequency (MHz)				3712.8	3840.6	3968.4			
25	QPSK	1	32	20.70	20.81	20.61	22.0	0.0	
Channel				647520	650040	664767			
Frequency (MHz)				3712.8	3840.6	3971.95			
20	QPSK	1	26	20.60	20.75	20.53	22.0	0.0	
Channel				647283	650040	665033			
Frequency (MHz)				3709.25	3840.6	3975.5			
15	QPSK	1	19	20.63	20.73	20.61	22.0	0.0	
Channel				647047	650040	665033			
Frequency (MHz)				3705.7	3840.6	3975.5			
10	QPSK	1	12	20.67	20.79	20.56	22.0	0.0	

Part270 n77_Ant8 Handheld SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	17.19	17.45	17.43			
100	PI2 BPSK	1	137	17.38	17.49	17.40	18.5	0.0	
100	PI2 BPSK	1	271	17.36	17.51	17.22			
100	PI2 BPSK	135	0	17.56	17.41	17.46	18.5	0.0	
100	PI2 BPSK	135	69	17.48	17.39	17.21	18.5	0.0	
100	PI2 BPSK	135	138	17.37	17.39	17.41	18.5	0.0	
100	PI2 BPSK	270	0	17.62	17.52	17.47			
100	QPSK	1	1	17.59	17.71	17.37			
100	QPSK	1	137	17.32	17.38	17.29	18.5	0.0	
100	QPSK	1	271	17.60	17.53	17.59			
100	QPSK	135	0	17.46	17.50	17.30	18.5	0.0	
100	QPSK	135	69	17.51	17.66	17.34	18.5	0.0	
100	QPSK	135	138	17.33	17.22	17.21	18.5	0.0	
100	QPSK	270	0	17.30	17.64	17.38	18.5	0.0	
100	16QAM	1	1	17.06	17.27	17.21	18.5	0.0	
100	64QAM	1	1	17.00	17.28	17.20	18.5	0.0	
100	256QAM	1	1	15.84	16.14	16.08	17.2	1.3	
Channel				646950	650000	650030	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3746.02	3840	3935.01			
90	QPSK	1	1	17.25	17.37	17.08	18.5	0.0	
Channel				637354	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.38	17.47	17.15	18.5	0.0	
Channel				645000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	17.30	17.44	17.04	18.5	0.0	
Channel				649668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3746.0001	3840	3950.01			
60	QPSK	1	1	17.33	17.49	17.12	18.5	0.0	
Channel				646334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	17.27	17.47	17.10	18.5	0.0	
Channel				645000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.37	17.48	17.15	18.5	0.0	
Channel				646668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3745	3935.01			
30	QPSK	1	1	17.38	17.40	17.11	18.5	0.0	
Channel				647600	650000	653500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	17.30	17.44	17.04	18.5	0.0	
Channel				647334	650000	646668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3741.01	3840	3920.02			
20	QPSK	1	1	17.25	17.47	17.08	18.5	0.0	
Channel				647168	660000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3732.52	3840	3972.51			
15	QPSK	1	1	17.33	17.51	17.06	18.5	0.0	
Channel				646200	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	17.30	17.38	17.09	18.5	0.0	

Part27Q n77_Ant8 Handheld SA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		17.58		18.5	0.0	
100	PI2 BPSK	1	137		17.76				
100	PI2 BPSK	1	271		17.76				
100	PI2 BPSK	135	0		17.37		18.5	0.0	
100	PI2 BPSK	135	69		17.67		18.5	0.0	
100	PI2 BPSK	135	138		17.14		18.5	0.0	
100	PI2 BPSK	270	0		17.29		18.5	0.0	
100	QPSK	1	1		17.83		18.5	0.0	
100	QPSK	1	137		17.58				
100	QPSK	1	271		17.80				
100	QPSK	135	0		17.65		18.5	0.0	
100	QPSK	135	69		17.71		18.5	0.0	
100	QPSK	135	138		17.54		18.5	0.0	
100	QPSK	270	0		17.63		18.5	0.0	
100	16QAM	1	1		17.44		18.5	0.0	
100	64QAM	1	1		17.48		18.5	0.0	
100	256QAM	1	1		16.35		17.2	1.3	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		17.29	17.52	17.13	18.5	0.0
Channel				632868	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3486.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		17.28	17.52	17.21	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3446.01	3500.01	3516.01	(dBm)	(dB)	
70	QPSK	1	1		17.37	17.46	17.13	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		17.27	17.63	17.20	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3476.02	3500.01	3526	(dBm)	(dB)	
50	QPSK	1	1		17.33	17.49	17.20	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		17.41	17.48	17.10	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		17.32	17.61	17.22	18.5	0.0
Channel				630634	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)	
25	QPSK	1	1		17.38	17.58	17.20	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		17.29	17.53	17.20	18.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		17.30	17.54	17.21	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3456.01	3500.01	3546.01	(dBm)	(dB)	
10	QPSK	1	1		17.28	17.48	17.13	18.5	0.0

Part27O n78_Ant8 Handheld SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		17.42		18.5	0.0	
100	PI2 BPSK	1	137		17.50				
100	PI2 BPSK	1	271		17.65				
100	PI2 BPSK	135	0		17.40		18.5	0.0	
100	PI2 BPSK	135	69		17.52		18.5	0.0	
100	PI2 BPSK	135	138		17.48		18.5	0.0	
100	PI2 BPSK	270	0		17.48		18.5	0.0	
100	QPSK	1	1		17.68		18.5	0.0	
100	QPSK	1	137		17.27				
100	QPSK	1	271		17.48				
100	QPSK	135	0		17.37		18.5	0.0	
100	QPSK	135	69		17.68		18.5	0.0	
100	QPSK	135	138		17.30		18.5	0.0	
100	QPSK	270	0		17.52		18.5	0.0	
100	16QAM	1	1		17.17		18.5	0.0	
100	64QAM	1	1		17.25		18.5	0.0	
100	256QAM	1	1		16.07		17.2	1.3	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		17.39	17.60	17.33	18.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		17.44	17.45	17.38	18.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		17.40	17.45	17.48	18.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		17.34	17.57	17.36	18.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		17.47	17.48	17.43	18.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		17.41	17.51	17.36	18.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		17.34	17.59	17.49	18.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
25	QPSK	1	1		17.40	17.43	17.39	18.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		17.31	17.54	17.39	18.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		17.38	17.52	17.37	18.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		17.33	17.44	17.48	18.5	0.0

Part27Q 78_Ant8 Handheld SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		17.60		18.5	0.0
100	PI2 BPSK	1	137		17.71			
100	PI2 BPSK	1	271		17.72		18.5	0.0
100	PI2 BPSK	135	0		17.28			
100	PI2 BPSK	135	69		17.74		18.5	0.0
100	PI2 BPSK	135	138		17.06		18.5	0.0
100	PI2 BPSK	270	0		17.33		18.5	0.0
100	QPSK	1	1		17.75		18.5	0.0
100	QPSK	1	137		17.50			
100	QPSK	1	271		17.69		18.5	0.0
100	QPSK	135	0		17.65			
100	QPSK	135	69		17.72		18.5	0.0
100	QPSK	135	138		17.51		18.5	0.0
100	QPSK	270	0		17.68		18.5	0.0
100	16QAM	1	1		17.37		18.5	0.0
100	64QAM	1	1		17.53		18.5	0.0
100	256QAM	1	1		16.43		18.5	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	17.57	17.63	17.53	18.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	17.43	17.53	17.58	18.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	17.52	17.62	17.50	18.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	17.42	17.57	17.49	18.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	17.52	17.63	17.58	18.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	17.51	17.50	17.51	18.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	17.41	17.65	17.49	18.5	0.0
Channel				630634	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	17.48	17.50	17.54	18.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	17.55	17.55	17.43	18.5	0.0
Channel				630600	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	17.46	17.59	17.55	18.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	17.39	17.69	17.37	18.5	0.0



n2 Ant1 Receiver on NSA									
BW (MHz)	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)				1670	1680	1690			
40	Pl2 BPSK	1	1	14.19	14.17	14.20			
40	Pl2 BPSK	1	108	14.14	14.29	14.14	15.0		0.0
40	Pl2 BPSK	1	214	14.09	14.25	14.13			
40	Pl2 BPSK	108	0	14.31	14.32	14.12	15.0		0.0
40	Pl2 BPSK	108	54	14.17	14.32	14.16	15.0		0.0
40	Pl2 BPSK	108	108	14.12	14.30	14.22	15.0		0.0
40	Pl2 BPSK	216	0	14.33	14.23	14.14	15.0		0.0
40	QPSK	1	1	14.16	14.39	14.27			
40	QPSK	1	108	14.10	14.25	14.15	15.0		0.0
40	QPSK	1	214	14.15	14.24	14.09			
40	QPSK	108	0	14.05	14.22	14.16	15.0		0.0
40	QPSK	108	54	14.14	14.24	14.20	15.0		0.0
40	QPSK	108	108	14.08	14.18	14.14	15.0		0.0
40	QPSK	216	0	14.11	14.20	14.15			
40	16QAM	1	1	14.15	14.11	14.13	15.0		0.0
40	64QAM	1	1	14.19	14.14	14.14	15.0		0.0
40	256QAM	1	1	14.12	14.21	14.19	15.0		0.0
Channel									
Frequency (MHz)				1685	1680	1685	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	14.12	14.19	14.20	15.0		0.0
Channel									
Frequency (MHz)				17250	17000	17050	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	14.05	14.28	14.30	15.0		0.0
Channel									
Frequency (MHz)				17200	17000	16950	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	14.15	14.35	14.15	15.0		0.0
Channel									
Frequency (MHz)				17150	17000	16950	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	14.17	14.22	14.15	15.0		0.0
Channel									
Frequency (MHz)				17100	17000	16910	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	14.11	14.22	14.24	15.0		0.0
Channel									
Frequency (MHz)				17090	17000	16915	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	14.12	14.26	14.17	15.0		0.0

n5 Ant1 Receiver on NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166800	167300	167800			
20	Pl2 BPSK	1	1	18.16	18.19	18.13			
20	Pl2 BPSK	1	53	18.23	18.37	18.17	19.0	0.0	
20	Pl2 BPSK	1	104	18.14	18.28	18.15			
20	Pl2 BPSK	50	0	18.36	18.32	18.10	19.0	0.0	
20	Pl2 BPSK	50	26	18.20	18.35	18.10	19.0	0.0	
20	Pl2 BPSK	50	56	18.15	18.28	18.16	19.0	0.0	
20	Pl2 BPSK	100	0	18.41	18.28	18.07			
20	QPSK	1	1	18.30	18.45	18.38			
20	QPSK	1	53	18.24	18.31	18.23	19.0		
20	QPSK	1	104	18.28	18.29	18.31			
20	QPSK	50	0	18.05	18.26	18.09	19.0	0.0	
20	QPSK	50	26	18.20	18.33	18.52	19.0	0.0	
20	QPSK	50	56	18.28	18.30	18.18	19.0	0.0	
20	QPSK	100	0	18.14	18.31	18.20			
20	16QAM	1	1	18.16	18.15	18.22	19.0		
20	64QAM	1	1	18.21	18.13	18.21	19.0		
20	256QAM	1	1	18.10	18.17	18.24	19.0	0.0	
Channel									
Frequency (MHz)				1631.5	1636.5	1641.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.23	18.33	18.23	19.0		
Channel									
Frequency (MHz)				16300	16350	16400	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.15	18.38	18.33	19.0		
Channel									
Frequency (MHz)				16300.5	16350.5	16400.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	18.20	18.35	18.31	19.0		

n12 Ant1 Receiver on Power NSA									
BW (MHz)	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)				141300	141500	141700			
15	Pl2 BPSK	1	1	20.74	20.75	20.8			
15	Pl2 BPSK	1	40	20.58	20.56	20.52	22.0	0.0	
15	Pl2 BPSK	1	77	20.79	20.80	20.83			
15	Pl2 BPSK	36	0	20.88	21.01	20.86	22.0	0.0	
15	Pl2 BPSK	36	25	20.83	20.70	20.55	22.0	0.0	
15	Pl2 BPSK	36	43	20.84	21.14	21.04	22.0	0.0	
15	Pl2 BPSK	75	0	21.03	21.20	21.08			
15	QPSK	1	1	20.84	21.23	20.85			
15	QPSK	1	40	20.80	20.61	20.75	22.0	0.0	
15	QPSK	1	77	20.62	20.75	20.76			
15	QPSK	36	0	20.71	20.88	20.66	22.0	0.0	
15	QPSK	36	22	20.81	20.86	20.75	22.0	0.0	
15	QPSK	36	43	21.17	21.18	21.15	22.0	0.0	
15	QPSK	75	0	20.95	21.20	21.11			
15	16QAM	1	1	20.71	21.04	20.95	22.0	0.0	
15	64QAM	1	1	20.57	20.59	20.24	21.5	0.5	
15	256QAM	1	1	19.99	19.95	19.74	19.5	2.5	
Channel									
Frequency (MHz)				1404	1407.5	1411	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	20.57	21.07	20.71	22.0	0.0	
Channel									
Frequency (MHz)				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	20.82	20.88	20.49	22.0	0.0	

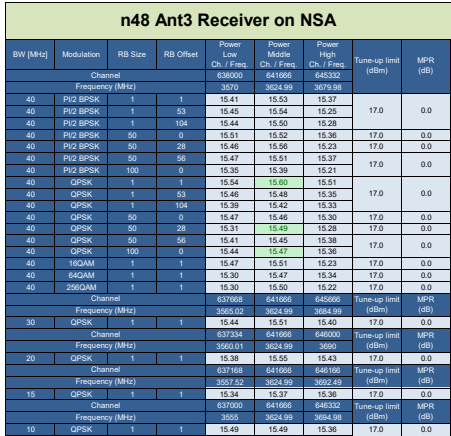


n25 Ant1 Receiver on NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	14.17	14.16	14.24			
40	P12 BPSK	1	108	14.11	14.33	14.15	15.0		0.0
40	P12 BPSK	1	214	14.08	14.27	14.14			
40	P12 BPSK	108	0	14.31	14.27	14.08	15.0		0.0
40	P12 BPSK	108	54	14.16	14.33	14.15	15.0		0.0
40	P12 BPSK	108	108	14.15	14.32	14.16			
40	P12 BPSK	216	0	14.32	14.26	14.11	15.0		0.0
40	QPSK	1	1	14.21	14.36	14.31			
40	QPSK	1	108	14.13	14.21	14.21	15.0		0.0
40	QPSK	1	214	14.16	14.29	14.08			
40	QPSK	108	0	14.06	14.23	14.13	15.0		0.0
40	QPSK	108	54	14.06	14.26	14.16	15.0		0.0
40	QPSK	108	108	14.13	14.17	14.06			
40	QPSK	216	0	14.11	14.19	14.15	15.0		0.0
40	16QAM	1	1	14.19	14.15	14.12	15.0		0.0
40	64QAM	1	1	14.23	14.09	14.14	15.0		0.0
40	256QAM	1	1	14.10	14.22	14.21	15.0		0.0
Channel									
30	QPSK	1	1	37300	37600	38000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	14.15	14.34	14.37	15.0		0.0
Channel									
25	QPSK	1	1	37250	37600	38000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	14.17	14.30	14.31	15.0		0.0
Channel									
20	QPSK	1	1	37150	37600	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	14.23	14.41	14.28	15.0		0.0
Channel									
10	QPSK	1	1	37100	37600	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	14.15	14.36	14.27	15.0		0.0
Channel									
5	QPSK	1	1	37050	37600	38250	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	14.24	14.38	14.29	15.0		0.0

n26 Ant1 Receiver on NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166400	Power Middle Ch. / Freq. 166300	Power High Ch. / Freq. 167600	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	18.21	18.20	18.27			
20	P12 BPSK	1	53	18.14	18.33	18.11	19.0		0.0
20	P12 BPSK	1	104	18.06	18.24	18.15			
20	P12 BPSK	50	0	18.26	18.30	18.03	19.0		0.0
20	P12 BPSK	50	24	18.14	18.31	18.18	19.0		0.0
20	P12 BPSK	50	56	18.13	18.30	18.18	19.0		0.0
20	P12 BPSK	100	0	18.36	18.31	18.11	19.0		0.0
20	QPSK	1	1	18.20	18.40	18.25			
20	QPSK	1	53	18.07	18.19	18.19	19.0		0.0
20	QPSK	1	104	18.20	18.32	18.05			
20	QPSK	50	0	18.10	18.26	18.14	19.0		0.0
20	QPSK	50	26	18.06	18.21	18.16	19.0		0.0
20	QPSK	50	56	18.17	18.12	18.10			
20	QPSK	100	0	18.08	18.18	18.15	19.0		0.0
20	16QAM	1	1	18.22	18.15	18.14	19.0		0.0
20	64QAM	1	1	18.21	18.07	18.17	19.0		0.0
20	256QAM	1	1	18.08	18.22	18.16	19.0		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.13	18.24	18.12	19.0		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.11	18.27	18.19	19.0		0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.07	18.35	18.19	19.0		0.0

n66 Ant1 Receiver on NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	13.41	13.55	13.33			
40	P12 BPSK	1	108	13.43	13.51	13.26	14.0		0.0
40	P12 BPSK	1	214	13.43	13.50	13.32			
40	P12 BPSK	108	0	13.52	13.52	13.33	14.0		0.0
40	P12 BPSK	108	54	13.41	13.52	13.28	14.0		0.0
40	P12 BPSK	108	108	13.52	13.49	13.34			
40	P12 BPSK	216	0	13.36	13.44	13.24	14.0		0.0
40	QPSK	1	1	13.37	13.58	13.42			
40	QPSK	1	108	13.42	13.53	13.30	14.0		0.0
40	QPSK	1	214	13.43	13.40	13.35			
40	QPSK	108	0	13.45	13.46	13.25	14.0		0.0
40	QPSK	108	54	13.36	13.52	13.25	14.0		0.0
40	QPSK	108	108	13.44	13.42	13.38			
40	QPSK	216	0	13.48	13.49	13.30	14.0		0.0
40	16QAM	1	1	13.44	13.51	13.28	14.0		0.0
40	64QAM	1	1	13.35	13.49	13.33	14.0		0.0
40	256QAM	1	1	13.36	13.49	13.26	14.0		0.0
Channel									
30	P12 BPSK	1	1	13.30	13.50	13.29	14.0		0.0
Channel									
25	P12 BPSK	1	1	13.24	13.45	13.34	14.0		0.0
Channel									
20	256QAM	1	1	13.29	13.53	13.33	14.0		0.0
Channel									
15	QPSK	1	1	13.29	13.46	13.29	14.0		0.0
Channel									
10	QPSK	1	1	13.30	13.42	13.31	14.0		0.0
Channel									
5	QPSK	1	1	13.27	13.47	13.31	14.0		0.0

n70 Ant1 Receiver on NSA								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340000			
Frequency (MHz)					1702.5			
15	PI2 BPSK	1	1		13.83		15.0	0.0
15	PI2 BPSK	1	40		13.83			
15	PI2 BPSK	1	77		13.84			
15	PI2 BPSK	36	0		13.86		15.0	0.0
15	PI2 BPSK	36	22		13.80		15.0	0.0
15	PI2 BPSK	36	43		13.75		15.0	0.0
15	PI2 BPSK	75	0		13.72			
15	QPSK	1	1		13.87			
15	QPSK	1	40		13.81		15.0	0.0
15	QPSK	1	77		13.70			
15	QPSK	36	0		13.71		15.0	0.0
15	QPSK	36	22		13.81		15.0	0.0
15	QPSK	36	43		13.75		15.0	0.0
15	QPSK	75	0		13.77			
15	16QAM	1	1		13.79		15.0	0.0
15	64QAM	1	1		13.74		15.0	0.0
15	256QAM	1	1		13.85		15.0	0.0
Channel				340000	340500	341000	Tune-up limit	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	13.76	13.79	13.23	15.0	0.0
Channel				339500	340500	341500	Tune-up limit	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	13.73	13.74	13.75	15.0	0.0



Par270 n77 Ant3 Receiver on NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Cn (Frac) 650000	Power Middle Cn (Frac) 656000	Power High Cn (Frac) 662000	Time-up limit (dBm)	MPR (dB)	
Channel									
100	PB2 BPSK	1	1	3750	3940	3930			
100	PB2 BPSK	1	1	14.37	14.46	14.38			
100	PB2 BPSK	1	137	14.26	14.47	14.30	16.0	0.0	
100	PB2 BPSK	137	1	14.32	14.47	14.31			
100	PB2 BPSK	135	0	14.25	14.48	14.31	16.0	0.0	
100	PB2 BPSK	135	138	14.44	14.53	14.25	16.0	0.0	
100	PB2 BPSK	135	138	14.40	14.51	14.28			
100	PB2 BPSK	270	0	14.27	14.56	14.27	16.0	0.0	
100	QPSK	1	1	14.38	14.51	14.29			
100	QPSK	1	137	14.29	14.58	14.30	16.0	0.0	
100	QPSK	1	271	14.33	14.48	14.24			
100	QPSK	135	0	14.26	14.46	14.28	16.0	0.0	
100	QPSK	135	0	14.42	14.51	14.28	16.0	0.0	
100	QPSK	135	138	14.34	14.47	14.21			
100	QPSK	270	0	14.27	14.48	14.28	16.0	0.0	
100	16QAM	1	1	14.33	14.52	14.32	16.0	0.0	
100	16QAM	1	137	14.28	14.52	14.33	16.0	0.0	
100	16QAM	1	1	14.34	14.48	14.31	16.0	0.0	
Channel									
				645658	656000	662334	Time-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	3748.02	3940.01	3930.01			
90	QPSK	1	1	14.20	14.47	14.17	16.0	0.0	
Channel									
80	QPSK	1	1	649334	656000	660668	Time-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3740.01	3940.01	3940.02			
80	QPSK	1	1	14.21	14.49	14.21	16.0	0.0	
Channel									
70	QPSK	1	1	649330	656000	660668	Time-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3735	3940	3945			
70	QPSK	1	1	14.18	14.54	14.21	16.0	0.0	
Channel									
60	QPSK	1	1	648966	656000	661334	Time-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3730.02	3940.01	3960.01			
60	QPSK	1	1	14.16	14.50	14.16	16.0	0.0	
Channel									
50	QPSK	1	1	648319	656000	660668	Time-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3725.01	3940.01	3955.02			
50	QPSK	1	1	14.21	14.48	14.20	16.0	0.0	
Channel									
40	QPSK	1	1	648000	656000	660400	Time-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3720	3940	3940			
40	QPSK	1	1	14.19	14.45	14.23	16.0	0.0	
Channel									
30	QPSK	1	1	647668	656000	660434	Time-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3715.02	3940.01	3935.01			
30	QPSK	1	1	14.24	14.44	14.18	16.0	0.0	
Channel									
25	QPSK	1	1	647500	656000	660400	Time-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	3712.5	3940.01	3967.5			
25	QPSK	1	1	14.19	14.45	14.19	16.0	0.0	
Channel									
20	QPSK	1	1	647250	656000	660366	Time-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	3710.01	3940.01	3992.02			
20	QPSK	1	1	14.23	14.46	14.22	16.0	0.0	
Channel									
15	QPSK	1	1	647000	656000	660324	Time-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3707.52	3940.01	3992.51			
15	QPSK	1	1	14.14	14.52	14.22	16.0	0.0	
Channel									
10	QPSK	1	1	647000	656000	660300	Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	3705	3940.01	3992.51			
10	QPSK	1	1	14.15	14.53	14.23	16.0	0.0	

Part270 n77_PC2 Ant3 Receiver on NSA								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (dBm) 650000	Power Middle (dBm) 3940	Power High (dBm) 662000	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3940	3930		
100	P2/BPSK	1	1	14.27	14.59	14.46		
100	P2/BPSK	1	137	14.27	14.59	14.33	16.0	0.0
100	P2/BPSK	1	211	14.31	14.52	14.39		
100	P2/BPSK	135	0	14.28	14.41	14.24	16.0	0.0
100	P2/BPSK	135	69	14.30	14.51	14.24	16.0	0.0
100	P2/BPSK	135	138	14.35	14.42	14.27		
100	P2/BPSK	270	0	14.23	14.51	14.27		
100	QPSK	1	1	14.41	14.50	14.41		
100	QPSK	1	137	14.28	14.58	14.33	16.0	0.0
100	QPSK	1	211	14.31	14.52	14.24		
100	QPSK	135	0	14.29	14.37	14.19	16.0	0.0
100	QPSK	135	69	14.24	14.47	14.20	16.0	0.0
100	QPSK	135	138	14.26	14.40	14.22	16.0	0.0
100	QPSK	270	0	14.28	14.56	14.31		
100	16QAM	1	1	14.34	14.53	14.28	16.0	0.0
100	16QAM	1	137	14.37	14.57	14.30	16.0	0.0
100	256QAM	1	1	14.43	14.39	14.29	16.0	0.0
Channel								
Frequency (MHz)				649568	656000	662334	Turn-up limit (dBm)	MPR (dB)
90	QPSK	1	1	17.63	18.20	18.03	16.0	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Turn-up limit (dBm)	MPR (dB)
80	QPSK	1	1	14.22	14.36	14.23	16.0	0.0
Channel								
Frequency (MHz)				569000	556000	663000	Turn-up limit (dBm)	MPR (dB)
70	QPSK	1	1	37.95	38.40	39.45	16.0	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Turn-up limit (dBm)	MPR (dB)
60	QPSK	1	1	14.12	14.47	14.23	16.0	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Turn-up limit (dBm)	MPR (dB)
60	QPSK	1	1	14.12	14.47	14.23	16.0	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Turn-up limit (dBm)	MPR (dB)
40	QPSK	1	1	14.20	14.51	14.21	16.0	0.0
Channel								
Frequency (MHz)				649768	656000	664534	Turn-up limit (dBm)	MPR (dB)
30	QPSK	1	1	14.11	14.37	14.11	16.0	0.0
Channel								
Frequency (MHz)				647520	656000	664500	Turn-up limit (dBm)	MPR (dB)
25	QPSK	1	1	14.10	14.52	14.48	16.0	0.0
Channel								
Frequency (MHz)				3710.01	3940	3970.02	Turn-up limit (dBm)	MPR (dB)
20	QPSK	1	1	14.30	14.51	14.11	16.0	0.0
Channel								
Frequency (MHz)				3707.59	3940	3972.61	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	1	14.17	14.55	14.15	16.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Turn-up limit (dBm)	MPR (dB)
10	QPSK	1	1	14.15	14.42	14.13	16.0	0.0



Part27Q n77_ PC2&3 Ant3 Receiver on NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	14.49	14.43	14.43	16.0	0.0	
100	PQ2 BPSK	1	137	14.43	14.32	14.32	16.0	0.0	
100	PQ2 BPSK	1	271	14.32	14.30	14.30	16.0	0.0	
100	PQ2 BPSK	135	0	14.30	14.20	14.20	16.0	0.0	
100	PQ2 BPSK	135	69	14.20	14.18	14.18	16.0	0.0	
100	PQ2 BPSK	135	138	14.18	14.14	14.14	16.0	0.0	
100	PQ2 BPSK	270	0	14.14	14.07	14.07	16.0	0.0	
100	QPSK	1	1	14.37	14.44	14.43	16.0	0.0	
100	QPSK	1	137	14.39	14.30	14.30	16.0	0.0	
100	QPSK	1	271	14.40	14.40	14.40	16.0	0.0	
100	QPSK	135	0	14.25	14.25	14.25	16.0	0.0	
100	QPSK	135	69	14.39	14.39	14.39	16.0	0.0	
100	QPSK	135	138	14.38	14.38	14.38	16.0	0.0	
100	QPSK	270	0	14.38	14.38	14.38	16.0	0.0	
100	16QAM	1	1	14.49	14.49	14.49	16.0	0.0	
100	64QAM	1	1	14.36	14.36	14.36	16.0	0.0	
100	256QAM	1	1	14.83	14.83	14.83	16.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.31	14.40	14.33	16.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.37	14.44	14.43	16.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.46	14.40	14.36	16.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.43	14.33	14.34	16.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.38	14.47	14.39	16.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.43	14.28	14.44	16.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.46	14.35	14.40	16.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
25	QPSK	1	1	14.51	14.28	14.41	16.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.48	14.30	14.33	16.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.33	14.46	14.33	16.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.45	14.38	14.50	16.0	0.0	MPR (dB)

Part27Q 78 Ant3 Receiver on NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	16.84	16.84				
100	PQ2 BPSK	1	137	16.83	16.83		16.0		0.0
100	PQ2 BPSK	1	271	16.87	16.87				
100	PQ2 BPSK	135	0	16.89	16.89		16.0		0.0
100	PQ2 BPSK	135	69	17.00	17.00				
100	PQ2 BPSK	135	138	16.92	16.92		16.0		0.0
100	PQ2 BPSK	270	0	16.93	16.93				
100	QPSK	1	1	16.93	16.93				
100	QPSK	1	137	16.94	16.94		16.0		0.0
100	QPSK	1	271	16.90	16.90				
100	QPSK	135	0	16.94	16.94		16.0		0.0
100	QPSK	135	69	16.98	16.98				
100	QPSK	135	138	16.91	16.91		16.0		0.0
100	QPSK	270	0	16.96	16.96				
100	16QAM	1	1	16.93	16.93		16.0		0.0
100	64QAM	1	1	16.89	16.89		16.0		0.0
100	256QAM	1	1	16.96	16.96		16.0		0.0
Channel									
				646688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
				3743.02	3720	3765.01			
90	QPSK	1	1	16.95	16.95	16.95			
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.92	16.92	16.94	Tune-up limit (dBm)	MPR (dB)	
				3740.01	37500	3760.02			
Channel									
				646900	650000	650100	Tune-up limit (dBm)	MPR (dB)	
				3735	3750	3765			
70	QPSK	1	1	16.93	16.99	16.91	16.0		0.0
Channel									
				3740.02	37500	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	16.88	16.94	16.91	16.0		0.0
Channel									
				646834	650000	650168	Tune-up limit (dBm)	MPR (dB)	
				3745.01	37500	3775.02			
50	QPSK	1	1	16.88	16.89	16.88	16.0		0.0
Channel									
				646900	650000	650000	Tune-up limit (dBm)	MPR (dB)	
				3720	3750	3780			
40	QPSK	1	1	16.90	16.91	16.88	16.0		0.0
Channel									
				647668	650000	650234	Tune-up limit (dBm)	MPR (dB)	
				3743.02	3750	3765.01			
30	QPSK	1	1	16.89	16.95	16.89	16.0		0.0
Channel									
				647490	650000	650250	Tune-up limit (dBm)	MPR (dB)	
				3742.2	3750	3787.5			
25	QPSK	1	1	16.96	16.96	16.96	16.0		0.0
Channel									
				647324	650000	650098	Tune-up limit (dBm)	MPR (dB)	
				3740.01	37500	3760.02			
20	QPSK	1	1	16.96	16.95	16.97	16.0		0.0
Channel									
				647011	650000	650244	Tune-up limit (dBm)	MPR (dB)	
				3737.52	37500	3792.51			
15	QPSK	1	1	16.90	16.87	16.93	16.0		0.0
Channel									
				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
				3705	3750	3795			
10	QPSK	1	1	16.92	16.94	16.98	16.0		0.0

Part27Q 78 Ant3 Receiver on NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	13.94	3560.01				
100	PQ2 BPSK	1	137	13.93			16.0		0.0
100	PQ2 BPSK	1	271	13.87					
100	PQ2 BPSK	135	0	13.89			16.0		0.0
100	PQ2 BPSK	135	69	14.00			16.0		0.0
100	PQ2 BPSK	135	138	13.98			16.0		0.0
100	PQ2 BPSK	270	0	13.93			16.0		0.0
100	QPSK	1	1	14.04					
100	QPSK	1	137	13.97			16.0		0.0
100	QPSK	1	271	13.90					
100	QPSK	135	0	13.94			16.0		0.0
100	QPSK	135	69	13.99			16.0		0.0
100	QPSK	135	138	13.91			16.0		0.0
100	QPSK	270	0	13.98			16.0		0.0
100	16QAM	1	1	13.93			16.0		0.0
100	16QAM	1	137	13.96			16.0		0.0
100	25QAM	1	1	13.96			16.0		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	635000	635334	635668	Tune-up limit (dBm)	MPR (dB)	
				3560.01	3560.02	3560.03	16.0		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	635068	635334	635400	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3560.01	3510	16.0		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	635129	635334	635432	Tune-up limit (dBm)	MPR (dB)	
				635334	635334	634334	16.0		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	63485.01	635334	3515.01	Tune-up limit (dBm)	MPR (dB)	
				13.88	13.91	13.81	16.0		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	635003	635334	635668	Tune-up limit (dBm)	MPR (dB)	
				3480	3560.01	3560.02	16.0		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.85	13.81	13.80	16.0		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	635068	635334	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.00	3560.01	3505	16.0		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	63180	635334	635668	Tune-up limit (dBm)	MPR (dB)	
				3505	3560.01	3505.02	16.0		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.89	13.88	13.87	16.0		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	635084	635334	635884	Tune-up limit (dBm)	MPR (dB)	
				3462.01	3560.01	3527.51	16.0		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	13.81	13.86	13.85	16.0		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.81	13.86	13.80	16.0		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.81	13.86	13.84	16.0		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.81	13.79	13.83	16.0		0.0



n48 Ant4 Receiver on NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (db)	
Channel				630000	641666	646332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	19.64	19.59	19.62	21.2	0.0	
40	PI2 BPSK	1	50	19.54	19.73	19.25			
40	PI2 BPSK	1	104	19.48	19.43	19.36			
40	PI2 BPSK	50	0	19.42	19.50	19.53	21.2	0.0	
40	PI2 BPSK	50	28	19.88	19.82	19.60	21.2	0.0	
40	PI2 BPSK	50	58	19.62	19.58	19.74	21.2	0.0	
40	PI2 BPSK	100	0	19.43	19.55	19.46			
40	QPSK	1	1	19.64	19.85	19.85			
40	QPSK	1	53	19.35	19.61	19.38	21.2	0.0	
40	QPSK	1	104	19.45	19.51	19.66			
40	QPSK	50	0	19.34	19.41	19.36			
40	QPSK	50	28	19.47	19.67	19.72	21.2	0.0	
40	QPSK	50	58	19.36	19.62	19.41	21.2	0.0	
40	QPSK	100	0	19.54	19.71	19.60			
40	16QAM	1	1	19.37	19.46	19.57			
40	64QAM	1	1	18.99	18.85	18.68	20.7	0.5	
40	256QAM	1	1	18.94	17.31	16.98	18.7	2.5	
Channel				637668	641666	645666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	19.40	19.57	19.69	21.2	0.0	
Channel				637234	641666	646000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3560.01	3624.99	3680			
20	QPSK	1	1	19.38	19.60	19.48	21.2	0.0	
Channel				637168	641666	646166	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3557.52	3624.99	3692.49			
15	QPSK	1	1	19.34	19.35	19.38	21.2	0.0	
Channel				637000	641666	646332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	19.31	19.87	19.73	21.2	0.0	

Part270 n77_Ant4 Receiver on NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.27	18.18	18.22	20.0	0.0	
100	PI2 BPSK	1	137	18.14	18.18	18.06			
100	PI2 BPSK	1	271	18.16	18.06	18.16			
100	PI2 BPSK	135	0	18.15	18.23	18.10	20.0	0.0	
100	PI2 BPSK	135	69	18.25	18.28	18.27	20.0	0.0	
100	PI2 BPSK	135	138	18.26	18.18	18.17	20.0	0.0	
100	PI2 BPSK	270	0	18.27	18.26	18.24			
100	QPSK	1	1	18.29	18.07	18.22			
100	QPSK	1	137	18.21	18.23	18.18	20.0	0.0	
100	QPSK	1	271	18.27	18.19	18.27			
100	QPSK	135	0	18.18	18.14	18.15			
100	QPSK	135	69	18.26	18.09	18.30	20.0	0.0	
100	QPSK	135	138	18.25	18.12	18.21	20.0	0.0	
100	QPSK	270	0	18.28	18.32	18.20			
100	16QAM	1	1	18.31	18.23	18.20			
100	64QAM	1	1	18.23	18.06	18.18	20.0	0.0	
100	256QAM	1	1	17.28	17.26	17.30	19.0	1.0	
Channel				648668	650000	662334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.08	18.27	18.03	20.0	0.0	
Channel				649334	650000	662068	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.21	18.28	18.19	20.0	0.0	
Channel				648000	650000	663000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.06	18.27	18.03	20.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.10	18.25	18.16	20.0	0.0	
Channel				649334	650000	663068	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.13	18.36	18.06	20.0	0.0	
Channel				648000	650000	664000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.18	18.24	18.09	20.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.07	18.19	18.10	20.0	0.0	
Channel				647000	650000	664500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	18.20	18.22	18.05	20.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.22	18.24	18.11	20.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.18	18.37	18.06	20.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.09	18.20	18.08	20.0	0.0	

Part27Q n77_Ant4 Receiver on NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		18.76		20.0	0.0	
100	PI2 BPSK	1	137		18.76				
100	PI2 BPSK	1	271		18.67				
100	PI2 BPSK	135	0		18.82		20.0	0.0	
100	PI2 BPSK	135	69		18.85		20.0	0.0	
100	PI2 BPSK	135	138		18.80		20.0	0.0	
100	PI2 BPSK	270	0		18.79				
100	QPSK	1	1		19.01				
100	QPSK	1	137		18.76		20.0	0.0	
100	QPSK	1	271		18.74				
100	QPSK	135	0		18.74				
100	QPSK	135	69		18.89		20.0	0.0	
100	QPSK	135	138		18.76		20.0	0.0	
100	QPSK	270	0		18.85				
100	16QAM	1	1		18.83				
100	64QAM	1	1		18.68		20.0	0.0	
100	256QAM	1	1		17.80		19.0	1.0	
Channel				633000	633334	633668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	18.93	18.89	18.86	20.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	18.89	18.94	18.87	20.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	18.95	18.90	18.88	20.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	18.97	18.94	18.95	20.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	18.91	18.87	18.91	20.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	18.89	18.88	18.88	20.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	18.93	18.92	18.93	20.0	0.0	
Channel				630834	633334	636034	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	18.94	18.93	18.87	20.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3545			
20	QPSK	1	1	18.96	18.87	18.95	20.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	18.93	18.85	18.94	20.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	18.93	18.87	18.87	20.0	0.0	

Part27O 78 Ant4 Receiver on NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000				
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		18.23		20.0	0.0
100	PI2 BPSK	1	137		18.23			
100	PI2 BPSK	1	271		18.18			
100	PI2 BPSK	135	0		18.33	20.0		
100	PI2 BPSK	135	69		18.40		20.0	0.0
100	PI2 BPSK	135	138		18.35		20.0	0.0
100	PI2 BPSK	270	0		18.26		20.0	0.0
100	QPSK	1	1		18.47			
100	QPSK	1	137		18.36		20.0	0.0
100	QPSK	1	271		18.27			
100	QPSK	135	0		18.26		20.0	0.0
100	QPSK	135	69		18.44		20.0	0.0
100	QPSK	135	138		18.25		20.0	0.0
100	QPSK	270	0		18.32		20.0	0.0
100	16QAM	1	1		18.33		20.0	0.0
100	64QAM	1	1		18.15		20.0	0.0
100	256QAM	1	1		18.67		19.0	1.0
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	18.38	18.41	18.39	20.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	18.41	18.37	18.36	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	18.33	18.33	18.36	20.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	18.41	18.40	18.33	20.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	18.38	18.32	18.35	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	18.39	18.35	18.31	20.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	18.37	18.34	18.41	20.0	0.0
Channel				647334	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
25	QPSK	1	1	18.33	18.35	18.33	20.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	18.34	18.33	18.36	20.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	18.38	18.38	18.36	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	18.39	18.39	18.34	20.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63334			20.0	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		18.55				
100	PI2 BPSK	1	137		18.58				
100	PI2 BPSK	1	271		18.51		20.0	0.0	
100	PI2 BPSK	135	0		18.67		20.0	0.0	
100	PI2 BPSK	135	69		18.72		20.0	0.0	
100	PI2 BPSK	135	138		18.71		20.0	0.0	
100	PI2 BPSK	270	0		18.61		20.0	0.0	
100	QPSK	1	1		18.73				
100	QPSK	1	137		18.62		20.0	0.0	
100	QPSK	1	271		18.53				
100	QPSK	135	0		18.57		20.0	0.0	
100	QPSK	135	69		18.70		20.0	0.0	
100	QPSK	135	138		18.61		20.0	0.0	
100	QPSK	270	0		18.65		20.0	0.0	
100	16QAM	1	1		18.65		20.0	0.0	
100	64QAM	1	1		18.58		20.0	0.0	
100	256QAM	1	1		17.61		19.0	1.0	
Channel				633000	63334	63368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		18.64	18.63	18.58	20.0	0.0
Channel				632668	63334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		18.67	18.65	18.68	20.0	0.0
Channel				632334	63334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		18.57	18.60	18.57	20.0	0.0
Channel				632000	63334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		18.61	18.67	18.68	20.0	0.0
Channel				631668	63334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		18.61	18.59	18.67	20.0	0.0
Channel				631334	63334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		18.67	18.58	18.64	20.0	0.0
Channel				631000	63334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		18.60	18.57	18.63	20.0	0.0
Channel				630668	63334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)	
25	QPSK	1	1		18.58	18.62	18.61	20.0	0.0
Channel				630668	63334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		18.65	18.68	18.59	20.0	0.0
Channel				630500	63334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		18.60	18.62	18.61	20.0	0.0
Channel				630334	63334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		18.63	18.61	18.64	20.0	0.0

n41 Ant5 Receiver on UL MIMO								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509002	Power Middle Ch. / Freq. 518998	Power High Ch. / Freq. 528000	Tune-up limit (dBm)	MPR (dB)
Channel				2546.01	2592.99	2640		
100	Pl2 BPSK	1	1	13.35	13.58	13.35	15.0	0.0
100	Pl2 BPSK	1	137	13.34	13.56	13.45		
100	Pl2 BPSK	1	271	13.35	13.58	13.38		
100	Pl2 BPSK	136	0	13.29	13.50	13.44		
100	Pl2 BPSK	136	69	13.36	13.53	13.38	15.0	0.0
100	Pl2 BPSK	136	138	13.28	13.51	13.36		
100	Pl2 BPSK	270	0	13.38	13.52	13.39		
100	QPSK	1	1	13.43	13.64	13.50		
100	QPSK	1	137	13.29	13.53	13.38	15.0	0.0
100	QPSK	1	271	13.31	13.58	13.38		
100	QPSK	136	0	13.36	13.51	13.40		
100	QPSK	136	69	13.35	13.59	13.35		
100	QPSK	136	138	13.29	13.53	13.43	15.0	0.0
100	QPSK	270	0	13.36	13.54	13.43		
100	16QAM	1	1	13.28	13.57	13.41		
100	64QAM	1	1	13.32	13.56	13.40		
100	256QAM	1	1	11.33	11.50	11.43	15.0	0.0
Channel				508200	518998	529999	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2641.99	15.0	0.0
90	QPSK	1	1	13.38	13.51	13.37		
Channel				507204	518998	529999	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2648.99	15.0	0.0
80	QPSK	1	1	13.35	13.51	13.41		
Channel				505202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	15.0	0.0
70	QPSK	1	1	13.34	13.50	13.44		
Channel				505200	518998	531999	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.99	15.0	0.0
60	QPSK	1	1	13.36	13.55	13.40		
Channel				504204	518998	532999	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	15.0	0.0
50	QPSK	1	1	13.39	13.54	13.35		
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	15.0	0.0
40	QPSK	1	1	13.42	13.49	13.44		
Channel				502200	518998	534999	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.99	15.0	0.0
30	QPSK	1	1	13.39	13.48	13.42		
Channel				501204	518998	535999	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	15.0	0.0
20	QPSK	1	1	13.37	13.53	13.38		
Channel				500700	518998	536999	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2491.5	2592.99	2682.48	15.0	0.0
15	QPSK	1	1	13.35	13.54	13.36		
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2487.01	2592.99	2685	15.0	0.0
10	QPSK	1	1	13.41	13.49	13.38		



n2 Ant0 Sensor on NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1680	1680	1680			
Frequency (MHz)				13.29	13.29	13.29			
40	Pl2 BPSK	1	1	13.29	13.29	13.29			
40	Pl2 BPSK	1	108	13.27	13.14	13.21	14.0	0.0	
40	Pl2 BPSK	1	214	13.14	13.32	13.13			
40	Pl2 BPSK	108	0	13.21	13.39	13.19	14.0	0.0	
40	Pl2 BPSK	108	54	13.16	13.07	13.17	14.0	0.0	
40	Pl2 BPSK	108	108	13.26	13.25	13.24	14.0	0.0	
40	Pl2 BPSK	216	0	13.27	13.27	13.31			
40	QPSK	1	1	13.30	13.55	13.42			
40	QPSK	1	108	13.34	13.26	13.24	14.0	0.0	
40	QPSK	1	214	13.21	13.42	13.35			
40	QPSK	108	0	13.19	13.39	13.25	14.0	0.0	
40	QPSK	108	54	13.35	13.37	13.16	14.0	0.0	
40	QPSK	108	108	13.30	13.28	13.33			
40	QPSK	216	0	13.11	13.35	13.25			
40	16QAM	1	1	13.21	13.31	13.07	14.0	0.0	
40	64QAM	1	1	13.23	13.16	13.21	14.0	0.0	
40	256QAM	1	1	13.22	13.19	13.20	14.0	0.0	
Channel				376000	376000	376000	Tune-up limit	MPR	
Frequency (MHz)				1685	1680	1685	(dBm)	(dB)	
30	QPSK	1	1	13.39	13.37	13.29	14.0	0.0	
Channel				372500	376000	376500	Tune-up limit	MPR	
Frequency (MHz)				1682.5	1680	1687.5	(dBm)	(dB)	
25	QPSK	1	1	13.36	13.39	13.29	14.0	0.0	
Channel				372000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1680	1682.5	1685	(dBm)	(dB)	
20	QPSK	1	1	13.38	13.43	13.37	14.0	0.0	
Channel				371500	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1687.5	1680	1692.5	(dBm)	(dB)	
15	QPSK	1	1	13.31	13.43	13.38	14.0	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1685	1680	1685	(dBm)	(dB)	
10	QPSK	1	1	13.37	13.39	13.30	14.0	0.0	
Channel				370500	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1682.5	1680	1687.5	(dBm)	(dB)	
5	QPSK	1	1	13.36	13.41	13.33	14.0	0.0	

n5 Ant0 Sensor on NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	21.75	21.74	21.70			
20	Pl2 BPSK	1	53	21.69	21.77	21.72	23.0	0.0	
20	Pl2 BPSK	1	104	21.73	21.67	21.73			
20	Pl2 BPSK	50	0	21.68	21.74	21.69	23.0	0.0	
20	Pl2 BPSK	50	26	21.70	21.76	21.67	23.0	0.0	
20	Pl2 BPSK	50	56	21.69	21.77	21.66			
20	Pl2 BPSK	100	0	21.69	21.76	21.65	23.0	0.0	
20	QPSK	1	1	21.77	21.76	21.73			
20	QPSK	1	53	21.71	21.69	21.71	23.0	0.0	
20	QPSK	1	104	21.71	21.71	21.70			
20	QPSK	50	0	21.74	21.73	21.68	23.0	0.0	
20	QPSK	50	26	21.66	21.69	21.63	23.0	0.0	
20	QPSK	50	56	21.50	21.66	21.60			
20	QPSK	100	0	21.58	21.71	21.67	23.0	0.0	
20	16QAM	1	1	21.75	21.67	21.61	23.0	0.0	
20	64QAM	1	1	19.86	20.04	19.99	21.5	1.5	
20	256QAM	1	1	18.16	18.27	18.18	19.5	3.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	21.61	21.79	21.73	23.0	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	21.90	21.96	21.90	23.0	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	21.50	21.56	21.50	23.0	0.0	

n26 Ant0 Sensor on NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	Pl2 BPSK	1	1	21.72	21.59	21.41			
20	Pl2 BPSK	1	53	21.47	21.67	21.54	23.0	0.0	
20	Pl2 BPSK	1	104	21.48	21.47	21.43			
20	Pl2 BPSK	50	0	21.58	21.56	21.62	23.0	0.0	
20	Pl2 BPSK	50	26	21.59	21.58	21.62	23.0	0.0	
20	Pl2 BPSK	50	56	21.65	21.56	21.43			
20	Pl2 BPSK	100	0	21.55	21.63	21.40	23.0	0.0	
20	QPSK	1	1	21.60	21.77	21.69			
20	QPSK	1	53	21.65	21.43	21.66	23.0	0.0	
20	QPSK	1	104	21.58	21.62	21.48			
20	QPSK	50	0	21.57	21.64	21.49	23.0	0.0	
20	QPSK	50	26	21.47	21.68	21.42	23.0	0.0	
20	QPSK	50	56	21.63	21.64	21.57			
20	QPSK	100	0	21.60	21.65	21.51	23.0	0.0	
20	16QAM	1	1	21.65	21.55	21.42	23.0	0.0	
20	64QAM	1	1	19.90	20.01	20.02	21.5	1.5	
20	256QAM	1	1	18.21	18.28	18.21	19.5	3.5	
Channel				164300	166300	168300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	21.48	21.61	21.55	23.0	0.0	
Channel				163800	166300	168800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	21.51	21.65	21.63	23.0	0.0	
Channel				163300	166300	169300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	21.53	21.68	21.58	23.0	0.0	



n25 Ant0 Sensor on NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PQ2 BPSK	1	1	13.55	13.60	13.49		
40	PQ2 BPSK	1	108	13.53	13.67	13.51	14.0	0.0
40	PQ2 BPSK	1	214	13.61	13.60	13.42		
40	PQ2 BPSK	108	0	13.47	13.62	13.46	14.0	0.0
40	PQ2 BPSK	108	54	13.51	13.70	13.39	14.0	0.0
40	PQ2 BPSK	108	108	13.59	13.49	13.59	14.0	0.0
40	PQ2 BPSK	216	0	13.50	13.63	13.51		
40	QPSK	1	1	13.69	13.76	13.63		
40	QPSK	1	108	13.61	13.54	13.35	14.0	0.0
40	QPSK	1	214	13.56	13.63	13.47		
40	QPSK	108	0	13.47	13.69	13.40	14.0	0.0
40	QPSK	108	54	13.64	13.72	13.60	14.0	0.0
40	QPSK	108	108	13.67	13.57	13.56		
40	QPSK	216	0	13.68	13.70	13.54		
40	16QAM	1	1	13.86	13.62	13.47	14.0	0.0
40	64QAM	1	1	13.91	13.52	13.41	14.0	0.0
40	256QAM	1	1	13.47	13.81	13.45	14.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	13.60	13.62	13.55	14.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	13.57	13.72	13.55	14.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.57	13.63	13.51	14.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	13.62	13.69	13.54	14.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	13.58	13.70	13.51	14.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	13.63	13.61	13.54	14.0	0.0

n66 Ant0 Sensor on NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PQ2 BPSK	1	1	14.36	14.35	14.19		
40	PQ2 BPSK	1	108	14.26	14.53	14.19	15.0	0.0
40	PQ2 BPSK	1	214	14.21	14.20	14.17		
40	PQ2 BPSK	108	0	14.17	14.29	14.17	15.0	0.0
40	PQ2 BPSK	108	54	14.18	14.29	14.03	15.0	0.0
40	PQ2 BPSK	108	108	14.27	14.29	14.30	15.0	0.0
40	PQ2 BPSK	216	0	14.19	14.42	14.18		
40	QPSK	1	1	14.30	14.27	14.45		
40	QPSK	1	108	14.27	14.19	14.13	15.0	0.0
40	QPSK	1	214	14.32	14.24	14.02		
40	QPSK	108	0	14.33	14.44	14.16	15.0	0.0
40	QPSK	108	54	14.41	14.46	14.20	15.0	0.0
40	QPSK	108	108	14.29	14.19	14.17		
40	QPSK	216	0	14.28	14.41	14.14		
40	16QAM	1	1	14.47	14.36	14.10	15.0	0.0
40	64QAM	1	1	14.29	14.31	14.06	15.0	0.0
40	256QAM	1	1	14.13	14.25	14.28	15.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.37	14.35	14.07	15.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	14.35	14.36	14.05	15.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.30	14.16	14.09	15.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.19	14.29	14.27	15.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.31	14.16	14.18	15.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	14.29	14.24	14.21	15.0	0.0

n70 Ant0 Sensor on NSA								
BW [MHz]	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)								
15	PQ2 BPSK	1	1		1702.5			
15	PQ2 BPSK	1	40		14.53		15.0	0.0
15	PQ2 BPSK	1	77		14.54			
15	PQ2 BPSK	36	0		14.55		15.0	0.0
15	PQ2 BPSK	36	22		14.55		15.0	0.0
15	PQ2 BPSK	36	43		14.44		15.0	0.0
15	PQ2 BPSK	75	0		14.50			
15	QPSK	1	1		14.69			
15	QPSK	1	40		14.63		15.0	0.0
15	QPSK	1	77		14.50			
15	QPSK	36	0		14.62		15.0	0.0
15	QPSK	36	22		14.67		15.0	0.0
15	QPSK	36	43		14.66			
15	QPSK	75	0		14.58		15.0	0.0
15	16QAM	1	1		14.48		15.0	0.0
15	64QAM	1	1		14.46		15.0	0.0
15	256QAM	1	1		14.67		15.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1		1700	1702.5	1705	
Channel								
Frequency (MHz)								
5	QPSK	1	1		1697.5	1702.5	1707.5	



n2 Ant1 Sensor on NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 376000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 376000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1670	1680	1690			
40	Pl2 BPSK	1	1	13.48	13.55	13.41			
40	Pl2 BPSK	1	108	13.51	13.57	13.54	14.5	0.0	
40	Pl2 BPSK	1	214	13.41	13.49	13.42			
40	Pl2 BPSK	108	0	13.59	13.60	13.53	14.5	0.0	
40	Pl2 BPSK	108	54	13.53	13.52	13.40	14.5	0.0	
40	Pl2 BPSK	108	108	13.52	13.51	13.55	14.5	0.0	
40	Pl2 BPSK	216	0	13.40	13.54	13.46			
40	QPSK	1	1	13.52	13.63	13.42			
40	QPSK	1	108	13.49	13.50	13.56	14.5	0.0	
40	QPSK	1	214	13.55	13.44	13.52			
40	QPSK	108	0	13.49	13.47	13.54	14.5	0.0	
40	QPSK	108	54	13.47	13.60	13.56	14.5	0.0	
40	QPSK	108	108	13.42	13.50	13.48	14.5	0.0	
40	QPSK	216	0	13.52	13.54	13.40			
40	16QAM	1	1	13.42	13.40	13.46	14.5	0.0	
40	64QAM	1	1	13.50	13.41	13.43	14.5	0.0	
40	256QAM	1	1	13.53	13.52	13.44	14.5	0.0	
Channel									
Frequency (MHz)				1685	1690	1695	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.41	13.60	13.45	14.5	0.0	
Channel									
Frequency (MHz)				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	13.40	13.50	13.49	14.5	0.0	
25	QPSK	1	1	13.44	13.55	13.43	14.5	0.0	
Channel									
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	13.47	13.54	13.46	14.5	0.0	
Channel									
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	13.47	13.58	13.45	14.5	0.0	
Channel									
Frequency (MHz)				1692.5	1690	1690.5	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.48	13.59	13.38	14.5	0.0	
Channel									
Frequency (MHz)				171000	170000	1691000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	13.44	13.61	13.45	14.5	0.0	

n5 Ant1 Sensor on NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166800	167300	167800			
Frequency (MHz)				1674	1674.5	1679			
20	Pl2 BPSK	1	1	21.08	21.10	21.06			
20	Pl2 BPSK	1	53	21.15	21.16	21.16	22.5	0.0	
20	Pl2 BPSK	1	104	21.05	21.14	20.97			
20	Pl2 BPSK	50	0	21.17	21.16	21.12	22.5	0.0	
20	Pl2 BPSK	50	26	21.14	21.14	20.98	22.5	0.0	
20	Pl2 BPSK	50	56	21.07	21.07	21.16	22.5	0.0	
20	Pl2 BPSK	100	0	20.95	21.19	21.01			
20	QPSK	1	1	21.19	21.26	21.22			
20	QPSK	1	53	21.23	21.18	21.15	22.5	0.0	
20	QPSK	1	104	21.11	21.20	21.10			
20	QPSK	50	0	21.16	21.10	21.19	22.5	0.0	
20	QPSK	50	26	21.14	21.22	21.11	22.5	0.0	
20	QPSK	50	56	21.10	21.08	21.08	22.5	0.0	
20	QPSK	100	0	21.07	21.12	20.98			
20	16QAM	1	1	21.05	20.97	21.03	22.5	0.0	
20	64QAM	1	1	19.94	20.03	19.99	21.5	1.0	
20	256QAM	1	1	18.12	18.17	18.10	19.5	3.0	
Channel									
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				16550	16730	16910	<td colspan="2"></td>		
15	QPSK	1	1	21.10	21.14	21.16	22.5	0.0	
Channel									
Frequency (MHz)				16550	16730	16910	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	839.5	844	<td colspan="2"></td>		
10	QPSK	1	1	21.04	21.13	21.12	22.5	0.0	
Channel									
Frequency (MHz)				165300	167200	169100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1653	1671.5	16905	<td colspan="2"></td>		
5	QPSK	1	1	21.06	21.20	21.11	22.5	0.0	

n25 Ant1 Sensor on NSA									
BW (MHz)	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)				1670	1682.5	1690			
40	Pl2 BPSK	1	1	13.63	13.70	13.40			
40	Pl2 BPSK	1	108	13.61	13.71	13.66	14.5	0.0	0.0
40	Pl2 BPSK	1	214	13.48	13.59	13.49			
40	Pl2 BPSK	108	0	13.69	13.73	13.58	14.5	0.0	0.0
40	Pl2 BPSK	108	54	13.58	13.65	13.53	14.5	0.0	0.0
40	Pl2 BPSK	108	108	13.59	13.56	13.68	14.5	0.0	0.0
40	Pl2 BPSK	216	0	13.50	13.68	13.50	14.5	0.0	0.0
40	QPSK	1	1	13.64	13.75	13.67			
40	QPSK	1	108	13.41	13.59	13.64	14.5	0.0	0.0
40	QPSK	1	214	13.01	13.54	13.50			
40	QPSK	108	0	13.60	13.55	13.68	14.5	0.0	0.0
40	QPSK	108	54	13.56	13.69	13.63	14.5	0.0	0.0
40	QPSK	108	108	13.52	13.54	13.50	14.5	0.0	0.0
40	QPSK	216	0	13.62	13.64	13.47			
40	16QAM	1	1	13.56	13.51	13.56	14.5	0.0	0.0
40	64QAM	1	1	13.04	13.54	13.53	14.5	0.0	0.0
40	256QAM	1	1	13.08	13.00	13.31	14.5	0.0	0.0
Channel									
Frequency (MHz)				1685	1682.5	1690	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.50	13.68	13.55	14.5	0.0	0.0
Channel									
Frequency (MHz)				172700	173500	174500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1682.5	1682.5	1692.5			
25	QPSK	1	1	13.58	13.71	13.57	14.5	0.0	0.0
Channel									
Frequency (MHz)				1727000	1736500	1746000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1690	1682.5	1695			
20	QPSK	1	1	13.58	13.63	13.55	14.5	0.0	0.0
Channel									
Frequency (MHz)				171500	170500	169500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1682.5	1682.5	1692.5			
15	QPSK	1	1	13.51	13.61	13.51	14.5	0.0	0.0
Channel									
Frequency (MHz)				171000	170500	169000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1686	1682.5	1696			
10	QPSK	1	1	13.57	13.70	13.62	14.5	0.0	0.0
Channel									
Frequency (MHz)				170900	170600	169250	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1682.5	1682.5	1692.5			
5	QPSK	1	1	13.59	13.65	13.59	14.5	0.0	0.0



n26 Ant1 Sensor on NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	21.18	21.13	21.03		
20	PI2 BPSK	1	53	21.29	21.23	21.19	22.5	0.0
20	PI2 BPSK	1	104	21.18	21.24	21.09		
20	PI2 BPSK	50	0	21.26	21.30	21.25	22.5	0.0
20	PI2 BPSK	50	28	21.30	21.31	21.12	22.5	0.0
20	PI2 BPSK	50	56	21.29	21.18	21.20		
20	PI2 BPSK	100	0	21.00	21.21	21.12	22.5	0.0
20	QPSK	1	1	21.28	21.32	21.22		
20	QPSK	1	53	21.15	21.16	21.29	22.5	0.0
20	QPSK	1	104	21.29	21.09	21.25		
20	QPSK	50	0	21.23	21.13	21.21	22.5	0.0
20	QPSK	50	28	21.26	21.26	21.23	22.5	0.0
20	QPSK	50	56	21.08	21.22	21.19		
20	QPSK	100	0	21.10	21.24	21.15	22.5	0.0
20	16QAM	1	1	21.17	21.14	21.08	22.5	0.0
20	64QAM	1	1	19.95	19.89	19.88	21.5	1.0
20	256QAM	1	1	17.88	17.99	17.92	19.5	3.0
Channel				164300	166300	168300	Tune-up limit	MPR
Frequency (MHz)				821.5	831.5	841.5	(dBm)	(dB)
10	QPSK	1	1	21.20	21.24	21.18	22.5	0.0
Channel				163800	166300	168800	Tune-up limit	MPR
Frequency (MHz)				818	831.5	844	(dBm)	(dB)
10	QPSK	1	1	21.14	21.21	21.08	22.5	0.0
Channel				163300	166300	169300	Tune-up limit	MPR
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)
5	QPSK	1	1	21.19	21.27	21.16	22.5	0.0

n66 Ant1 Sensor on NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	15.00	15.89	15.91		
40	PI2 BPSK	1	108	16.03	16.07	16.01	17.0	0.0
40	PI2 BPSK	1	214	15.95	16.09	15.92		
40	PI2 BPSK	108	0	15.08	16.10	15.96	17.0	0.0
40	PI2 BPSK	108	54	16.07	16.11	15.92	17.0	0.0
40	PI2 BPSK	108	108	16.11	15.99	15.98		
40	PI2 BPSK	216	0	15.90	16.10	15.85	17.0	0.0
40	QPSK	1	1	16.01	16.16	15.93		
40	QPSK	1	108	15.95	15.99	16.05	17.0	0.0
40	QPSK	1	214	16.00	15.95	16.08		
40	QPSK	108	0	15.84	15.94	15.97	17.0	0.0
40	QPSK	108	54	15.91	16.10	16.06	17.0	0.0
40	QPSK	108	108	15.85	16.00	15.99		
40	QPSK	216	0	15.91	16.03	15.90	17.0	0.0
40	16QAM	1	1	15.88	15.87	15.85	17.0	0.0
40	64QAM	1	1	15.91	15.89	15.87	17.0	0.0
40	256QAM	1	1	16.03	16.11	15.93	17.0	0.0
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	PI2 BPSK	1	1	15.95	16.09	15.84	17.0	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	PI2 BPSK	1	1	15.88	16.06	15.87	17.0	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	256QAM	1	1	15.94	16.11	15.78	17.0	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	15.91	16.10	15.89	17.0	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1714	1745	1775	(dBm)	(dB)
10	QPSK	1	1	15.87	16.03	15.84	17.0	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	15.93	16.08	15.82	17.0	0.0

n70 Ant1 Sensor on NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000			
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1			16.20		
15	PI2 BPSK	1	40			16.43	17.5	0.0
15	PI2 BPSK	1	77			16.44		
15	PI2 BPSK	36	0			16.40	17.5	0.0
15	PI2 BPSK	36	22			16.36	17.5	0.0
15	PI2 BPSK	36	43			16.37		
15	PI2 BPSK	75	0			16.41	17.5	0.0
15	QPSK	1	1			16.46		
15	QPSK	1	40			16.24	17.5	0.0
15	QPSK	1	77			16.32		
15	QPSK	36	0			16.23	17.5	0.0
15	QPSK	36	22			16.43	17.5	0.0
15	QPSK	36	43			16.31		
15	QPSK	75	0			16.32	17.5	0.0
15	16QAM	1	1			16.12	17.5	0.0
15	64QAM	1	1			16.11	17.5	0.0
15	256QAM	1	1			16.39	17.5	0.0
Channel				345000	349000	341000	Tune-up limit	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	16.34	16.38	16.39	17.5	0.0
Channel				345000	349000	341500	Tune-up limit	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	16.39	16.40	16.36	17.5	0.0



n48 Ant3 Sensor on NSA									
BW [MHz]	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)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	14.39	14.55	14.37			
40	PI2 BPSK	1	50	14.40	14.52	14.22			
40	PI2 BPSK	1	104	14.34	14.50	14.21	16.0	0.0	
40	PI2 BPSK	50	0	14.58	14.48	14.31	16.0	0.0	
40	PI2 BPSK	50	28	14.41	14.57	14.21	16.0	0.0	
40	PI2 BPSK	50	56	14.53	14.42	14.38			
40	PI2 BPSK	100	0	14.43	14.30	14.22			
40	QPSK	1	1	14.87	14.95	14.53			
40	QPSK	1	53	14.40	14.57	14.34	16.0	0.0	
40	QPSK	1	104	14.42	14.46	14.35			
40	QPSK	50	0	14.39	14.56	14.27	16.0	0.0	
40	QPSK	50	28	14.34	14.52	14.37	16.0	0.0	
40	QPSK	50	56	14.43	14.42	14.29			
40	QPSK	100	0	14.36	14.47	14.30			
40	15QAM	1	1	14.40	14.43	14.27	16.0	0.0	
40	64QAM	1	1	14.29	14.47	14.41	16.0	0.0	
40	256QAM	1	1	14.31	14.56	14.25	16.0	0.0	
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	14.21	14.15	14.18	16.0	0.0	
Channel				637234	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560.01	3624.99	3680			
20	QPSK	1	1	14.13	14.19	14.24	16.0	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.52	3624.99	3692.49			
15	QPSK	1	1	14.12	14.27	14.31	16.0	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	14.14	14.24	14.37	16.0	0.0	

Part27O n77_Ant3 Sensor on NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	12.93	12.84	12.75			
100	PI2 BPSK	1	137	13.01	12.96	12.80			
100	PI2 BPSK	1	271	12.82	12.99	12.78	14.5	0.0	
100	PI2 BPSK	135	0	12.91	12.99	12.97	14.5	0.0	
100	PI2 BPSK	135	69	12.85	12.94	12.86	14.5	0.0	
100	PI2 BPSK	135	138	12.93	13.00	12.83			
100	PI2 BPSK	270	0	12.75	12.86	13.06			
100	QPSK	1	1	12.98	13.02	12.95			
100	QPSK	1	137	12.86	12.91	12.86	14.5	0.0	
100	QPSK	1	271	12.85	12.82	12.91			
100	QPSK	135	0	12.87	12.89	12.84	14.5	0.0	
100	QPSK	135	69	12.96	13.00	12.87	14.5	0.0	
100	QPSK	135	138	12.84	12.87	12.78			
100	QPSK	270	0	12.82	12.88	12.85	14.5	0.0	
100	15QAM	1	1	12.74	12.86	12.79	14.5	0.0	
100	64QAM	1	1	12.82	12.89	12.91	14.5	0.0	
100	256QAM	1	1	12.88	12.82	12.75	14.5	0.0	
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	12.91	12.94	12.82	14.5	0.0	
Channel				648334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	12.88	12.86	12.86	14.5	0.0	
Channel				648000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	12.86	12.93	12.86	14.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	12.86	12.89	12.87	14.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	12.90	12.95	12.78	14.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	12.85	12.87	12.80	14.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	12.80	12.86	12.77	14.5	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	12.85	12.91	12.85	14.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	12.91	12.88	12.82	14.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	12.83	12.91	12.82	14.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	12.89	12.97	12.78	14.5	0.0	

Part27Q n77_Ant3 Sensor on NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	636668			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		12.85				
100	PI2 BPSK	1	137		13.04		14.5	0.0	
100	PI2 BPSK	1	271		12.98				
100	PI2 BPSK	135	0		12.98		14.5	0.0	
100	PI2 BPSK	135	69		13.01		14.5	0.0	
100	PI2 BPSK	135	138		12.99		14.5	0.0	
100	PI2 BPSK	270	0		12.84				
100	QPSK	1	1		13.07				
100	QPSK	1	137		12.93		14.5	0.0	
100	QPSK	1	271		12.79				
100	QPSK	135	0		12.90		14.5	0.0	
100	QPSK	135	69		13.06		14.5	0.0	
100	QPSK	135	138		12.87		14.5	0.0	
100	QPSK	270	0		12.87				
100	16QAM	1	1		12.75		14.5	0.0	
100	64QAM	1	1		12.80		14.5	0.0	
100	256QAM	1	1		12.78		14.5	0.0	
Channel				633500	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	12.97	12.95	12.97	14.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	12.92	13.01	12.99	14.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	12.97	13.00	12.92	14.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	13.02	12.93	12.86	14.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	13.03	12.97	12.95	14.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	13.02	12.92	12.95	14.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	13.03	12.91	13.00	14.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	13.92	13.99	14.02	14.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3545			
20	QPSK	1	1	13.91	13.95	13.95	14.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	13.68	13.94	13.95	14.5	0.0	
Channel				630234	633334	636234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	13.96	14.03	13.99	14.5	0.0	

Part270 n78_Ant3 Sensor on NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000			14.5	0.0
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		12.94			
100	PI2 BPSK	1	137		13.06			
100	PI2 BPSK	1	221		12.91			
100	PI2 BPSK	135	0		13.05		14.5	0.0
100	PI2 BPSK	135	69		12.85		14.5	0.0
100	PI2 BPSK	135	138		12.89		14.5	0.0
100	PI2 BPSK	270	0		12.93		14.5	0.0
100	QPSK	1	1		13.08		14.5	0.0
100	QPSK	1	137		12.80			
100	QPSK	1	271		12.82		14.5	0.0
100	QPSK	135	0		12.78			
100	QPSK	135	69		12.87		14.5	0.0
100	QPSK	135	138		12.94		14.5	0.0
100	QPSK	270	0		13.07		14.5	0.0
100	16QAM	1	1		12.85		14.5	0.0
100	64QAM	1	1		12.91		14.5	0.0
100	256QAM	1	1		12.72		14.5	0.0
Channel				649668	650000	650334	Tune-up limit (dB)	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dB)	(dB)
90	QPSK	1	123		12.92	13.11	12.92	14.5 0.0
Channel				849334	850000	850668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109		12.96	12.99	13.01	14.5 0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95		12.97	13.11	13.05	14.5 0.0
Channel				648668	650000	651334	Tune-up limit (dB)	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dB)	(dB)
60	QPSK	1	81		12.91	13.01	12.94	14.5 0.0
Channel				849334	850000	851668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67		12.82	12.92	13.05	14.5 0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53		12.88	12.91	12.92	14.5 0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	39		12.82	12.96	13.02	14.5 0.0
Channel				847668	850000	852000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	32		12.83	12.91	12.95	14.5 0.0
Channel				847334	850000	852668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26		12.86	13.04	12.97	14.5 0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19		12.83	13.06	13.04	14.5 0.0
Channel				847000	850000	853000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12		12.93	13.07	12.96	14.5 0.0

Part27Q 78_Ant3 Sensor on NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334			14.5	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		12.74			
100	PI2 BPSK	1	137		12.96			
100	PI2 BPSK	1	221		12.95			
100	PI2 BPSK	135	0		12.91		14.5	0.0
100	PI2 BPSK	135	69		13.10		14.5	0.0
100	PI2 BPSK	135	138		13.10		14.5	0.0
100	PI2 BPSK	270	0		12.83		14.5	0.0
100	QPSK	1	1		13.13		14.5	0.0
100	QPSK	1	137		12.85			
100	QPSK	1	271		12.80		14.5	0.0
100	QPSK	135	0		12.82			
100	QPSK	135	69		12.87		14.5	0.0
100	QPSK	135	138		12.87		14.5	0.0
100	QPSK	270	0		13.03		14.5	0.0
100	16QAM	1	1		12.77		14.5	0.0
100	64QAM	1	1		12.87		14.5	0.0
100	256QAM	1	1		12.74		14.5	0.0
Channel				633000	63334	633668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123		12.89	12.97	13.09	14.5 0.0
Channel				832668	83334	834000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109		12.85	13.03	12.90	14.5 0.0
Channel				632334	63334	634334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	95		13.02	13.00	12.95	14.5 0.0
Channel				632000	63334	634668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81		12.89	12.99	13.00	14.5 0.0
Channel				831668	83334	835000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67		12.88	13.05	13.02	14.5 0.0
Channel				631334	63334	635334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53		12.83	12.94	12.94	14.5 0.0
Channel				631000	63334	635668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	39		12.84	13.09	12.89	14.5 0.0
Channel				830334	83334	835834	Tune-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	32		12.96	13.10	12.95	14.5 0.0
Channel				830668	83334	836000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26		13.00	12.91	13.09	14.5 0.0
Channel				630500	63334	636168	Tune-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19		12.96	13.04	12.92	14.5 0.0
Channel				830334	83334	836334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12		12.99	13.10	13.06	14.5 0.0



n48 Ant4 Sensor on NSA									
BW [MHz]	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	13.2	0.0	
Frequency (MHz)				3670	3624.99	3679.98			
40	PI2 BPSK	1	1	11.39	11.48	11.35	13.2	0.0	
40	PI2 BPSK	1	53	11.36	11.53	11.38			
40	PI2 BPSK	1	104	11.30	11.52	11.36	13.2	0.0	
40	PI2 BPSK	50	0	11.30	11.47	11.35			
40	PI2 BPSK	50	28	11.32	11.46	11.33	13.2	0.0	
40	PI2 BPSK	50	56	11.35	11.55	11.36			
40	PI2 BPSK	100	0	11.39	11.56	11.36	13.2	0.0	
40	QPSK	1	1	11.39	11.61	11.50			
40	QPSK	1	53	11.31	11.48	11.38	13.2	0.0	
40	QPSK	1	104	11.36	11.52	11.40			
40	QPSK	50	0	11.35	11.52	11.30	13.2	0.0	
40	QPSK	50	28	11.36	11.52	11.33			
40	QPSK	50	56	11.37	11.58	11.39	13.2	0.0	
40	QPSK	100	0	11.32	11.44	11.37			
40	16QAM	1	1	11.41	11.48	11.33	13.2	0.0	
40	64QAM	1	1	11.38	11.46	11.36			
40	256QAM	1	1	11.30	11.54	11.31	13.2	0.0	
Channel				637668	641666	645666			
Frequency (MHz)				3565.02	3624.99	3684.99	13.2	0.0	
30	QPSK	1	1	11.27	11.43	11.15			
Channel				637334	641666	646000	13.2	0.0	
Frequency (MHz)				3560.01	3624.99	3690			
20	QPSK	1	1	11.26	11.42	11.21	13.2	0.0	
Channel				637168	641666	646166			
Frequency (MHz)				3657.52	3624.99	3692.49	13.2	0.0	
15	QPSK	1	1	11.26	11.43	11.25			
Channel				637000	641666	646332	13.2	0.0	
Frequency (MHz)				3655	3624.99	3694.98			
10	QPSK	1	1	11.20	11.37	11.18	13.2	0.0	
Channel									

Part27O n77_Ant4 Sensor on NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	652000	16.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	14.68	14.70	14.76	16.5	0.0	
100	PI2 BPSK	1	137	14.79	14.81	14.85			
100	PI2 BPSK	1	271	14.97	14.97	14.70	16.5	0.0	
100	PI2 BPSK	135	0	14.65	14.80	14.71			
100	PI2 BPSK	135	69	14.79	14.73	14.72	16.5	0.0	
100	PI2 BPSK	135	138	14.81	14.80	14.67			
100	PI2 BPSK	270	0	14.86	14.82	14.99	16.5	0.0	
100	QPSK	1	1	14.83	14.90	14.73			
100	QPSK	1	137	14.71	14.71	14.68	16.5	0.0	
100	QPSK	1	271	14.71	14.81	14.72			
100	QPSK	135	0	14.75	14.74	14.74	16.5	0.0	
100	QPSK	135	69	14.78	16.78	14.84			
100	QPSK	135	138	14.69	14.59	14.68	16.5	0.0	
100	QPSK	270	0	14.83	14.73	14.88			
100	16QAM	1	1	14.88	14.81	14.82	16.5	0.0	
100	64QAM	1	1	14.92	14.70	14.69			
100	256QAM	1	1	14.65	14.66	14.71	16.5	0.0	
Channel				649668	650000	652334			
Frequency (MHz)				3745.02	3840	3935.01	16.5	0.0	
90	QPSK	1	1	14.77	14.77	14.61			
Channel				649334	650000	652668	16.5	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	14.73	14.80	14.67	16.5	0.0	
Channel				649000	650000	653000			
Frequency (MHz)				3735	3840	3945	16.5	0.0	
70	QPSK	1	1	14.75	14.85	14.60			
Channel				648668	650000	653334	16.5	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	14.71	14.83	14.61	16.5	0.0	
Channel				648334	650000	653668			
Frequency (MHz)				3725.01	3840	3955.02	16.5	0.0	
50	QPSK	1	1	14.72	14.79	14.64			
Channel				648000	650000	654000	16.5	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	14.78	14.82	14.67	16.5	0.0	
Channel				647668	650000	654334			
Frequency (MHz)				3715.02	3840	3965.01	16.5	0.0	
30	QPSK	1	1	14.70	14.81	14.60			
Channel				647500	650000	654500	16.5	0.0	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	14.68	14.79	14.66	16.5	0.0	
Channel				647334	650000	654668			
Frequency (MHz)				3710.01	3840	3970.02	16.5	0.0	
20	QPSK	1	1	14.76	14.74	14.69			
Channel				647168	650000	654834	16.5	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	14.68	14.77	14.60	16.5	0.0	
Channel				647000	650000	655000			
Frequency (MHz)				3705	3840	3975	16.5	0.0	
10	QPSK	1	1	14.72	14.76	14.62			
Channel									

Part27Q n77_Ant4 Sensor on NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633300	633334	633334	16.5	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		14.58		16.5	0.0	
100	PI2 BPSK	1	137		14.58				
100	PI2 BPSK	1	271		14.80		16.5	0.0	
100	PI2 BPSK	135	0		14.68				
100	PI2 BPSK	135	69		14.83		16.5	0.0	
100	PI2 BPSK	135	138		14.82				
100	PI2 BPSK	270	0		14.56		16.5	0.0	
100	QPSK	1	1		14.81				
100	QPSK	1	137		14.78		16.5	0.0	
100	QPSK	1	271		14.73				
100	QPSK	135	0		14.60		16.5	0.0	
100	QPSK	135	69		14.77				
100	QPSK	135	138		14.81		16.5	0.0	
100	QPSK	270	0		14.60				
100	16QAM	1	1		14.51		16.5	0.0	
100	64QAM	1	1		14.65				
100	256QAM	1	1		14.80		16.5	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	16.5	0.0	
90	QPSK	1	1	14.75	14.74	14.71			
Channel				632668	633334	634000	16.5	0.0	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	14.76	14.71	14.72	16.5	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	16.5	0.0	
70	QPSK	1	1	14.68	14.65	14.6	16.5	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	16.5	0.0	
60	QPSK	1	1	14.70	14.72	14.75			
Channel				631668	633334	635000	16.5	0.0	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	14.68	14.68	14.69	16.5	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	16.5	0.0	
40	QPSK	1	1	14.68	14.68	14.66	16.5	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	16.5	0.0	
30	QPSK	1	1	14.70	14.67	14.65			
Channel				630668	633334	636004	16.5	0.0	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	14.67	14.78	14.78	16.5	0.0	
Channel				630338	633334	636300			
Frequency (MHz)				3459.02	3500.01	3540	16.5	0.0	
20	QPSK	1	1	14.70	14.70	14.68			
Channel				630000	633334	636168	16.5	0.0	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	14.69	14.70	14.77	16.5	0.0	
Channel				629734	633334	636034			
Frequency (MHz)				3455.01	3500.01	3545.01	16.5	0.0	
10	QPSK	1	1	14.76	14.68	14.67	16.5	0.0	

Part270 n78_Ant4 Sensor on NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				65000				
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		14.84			
100	PI2 BPSK	1	137		14.71		16.5	0.0
100	PI2 BPSK	1	271		14.84			
100	PI2 BPSK	135	0		14.72		16.5	0.0
100	PI2 BPSK	135	69		14.71		16.5	0.0
100	PI2 BPSK	135	138		14.72		16.5	0.0
100	PI2 BPSK	270	0		14.53		16.5	0.0
100	QPSK	1	1		14.91		16.5	0.0
100	QPSK	1	137		14.84			
100	QPSK	1	271		14.75		16.5	0.0
100	QPSK	135	0		14.75			
100	QPSK	135	69		14.83		16.5	0.0
100	QPSK	135	138		14.89		16.5	0.0
100	QPSK	270	0		14.81		16.5	0.0
100	16QAM	1	1		14.50		16.5	0.0
100	64QAM	1	1		14.77		16.5	0.0
100	256QAM	1	1		14.59		16.5	0.0
Channel				649668	650000	650334	Tune-up limit (dB)	MPR
Frequency (MHz)				3742.02	3750	3755.01		
90	QPSK	1	123		14.67	14.83	14.79	16.5 0.0
Channel				945334	650000	650668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109		14.78	14.80	14.63	16.5 0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95		14.72	14.75	14.71	16.5 0.0
Channel				648668	650000	651334	Tune-up limit (dB)	MPR
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81		14.68	14.74	14.77	16.5 0.0
Channel				945334	650000	651668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67		14.71	14.77	14.66	16.5 0.0
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53		14.70	14.74	14.72	16.5 0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39		14.78	14.79	14.78	16.5 0.0
Channel				947500	650000	652500	Tune-up limit (dBm)	MPR
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	32		14.84	14.78	14.74	16.5 0.0
Channel				947334	650000	652668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26		14.76	14.86	14.79	16.5 0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19		14.65	14.77	14.75	16.5 0.0
Channel				947000	650000	653000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12		14.82	14.71	14.65	16.5 0.0

Part27Q 78_Ant4 Sensor on NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		14.64			
100	PI2 BPSK	1	137		14.46		16.5	0.0
100	PI2 BPSK	1	271		14.72			
100	PI2 BPSK	135	0		14.69		16.5	0.0
100	PI2 BPSK	135	69		14.59		16.5	0.0
100	PI2 BPSK	135	138		14.53		16.5	0.0
100	PI2 BPSK	270	0		14.62		16.5	0.0
100	QPSK	1	1		14.85		16.5	0.0
100	QPSK	1	137		14.58			
100	QPSK	1	271		14.66		16.5	0.0
100	QPSK	135	0		14.69			
100	QPSK	135	69		14.75		16.5	0.0
100	QPSK	135	138		14.55		16.5	0.0
100	QPSK	270	0		14.47		16.5	0.0
100	16QAM	1	1		14.56		16.5	0.0
100	64QAM	1	1		14.55		16.5	0.0
100	256QAM	1	1		14.51		16.5	0.0
Channel				633000	633334	633668	Tune-up limit (dB)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123		14.84	14.79	14.71	16.5 0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109		14.79	14.72	14.62	16.5 0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	95		14.80	14.77	14.63	16.5 0.0
Channel				632000	633334	634668	Tune-up limit (dB)	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81		14.69	14.69	14.60	16.5 0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67		14.83	14.69	14.76	16.5 0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53		14.81	14.84	14.67	16.5 0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39		14.72	14.84	14.61	16.5 0.0
Channel				630634	633334	635934	Tune-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	32		14.77	14.67	14.62	16.5 0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26		14.85	14.63	14.61	16.5 0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19		14.73	14.84	14.69	16.5 0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12		14.69	14.81	14.64	16.5 0.0



n41_FCC PC2 Ant5 Sensor on NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509200	518598	530000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	15.45	15.51	15.42			
100	PI2 BPSK	1	137	15.42	15.45	15.37			
100	PI2 BPSK	1	271	15.38	15.40	15.43	17.0	0.0	
100	PI2 BPSK	135	0	15.38	15.45	15.41	17.0	0.0	
100	PI2 BPSK	135	69	15.40	15.44	15.42	17.0	0.0	
100	PI2 BPSK	135	138	15.41	15.43	15.44			
100	PI2 BPSK	270	0	15.38	15.50	15.46			
100	QPSK	1	1	15.52	15.54	15.47			
100	QPSK	1	137	15.38	15.51	15.38	17.0	0.0	
100	QPSK	1	271	15.41	15.45	15.46			
100	QPSK	135	0	15.41	15.44	15.43	17.0	0.0	
100	QPSK	135	69	15.45	15.40	15.44	17.0	0.0	
100	QPSK	135	138	15.43	15.48	15.39	17.0	0.0	
100	QPSK	270	0	15.35	15.45	15.43			
100	15QAM	1	1	15.35	15.44	15.37	17.0	0.0	
100	64QAM	1	1	15.46	15.52	15.35	17.0	0.0	
100	256QAM	1	1	15.38	15.51	15.40	17.0	0.0	
Channel				508200	518598	528998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	15.39	15.47	15.37	17.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	15.36	15.49	15.38	17.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	QPSK	1	1	15.38	15.40	15.32	17.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	15.32	15.46	15.37	17.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	15.38	15.44	15.37	17.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.30	15.47	15.39	17.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	15.32	15.49	15.35	17.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.34	15.49	15.42	17.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2682.48			
15	QPSK	1	1	15.38	15.48	15.43	17.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	15.32	15.45	15.33	17.0	0.0	

n48 Ant5 Sensor on NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630000	641698	645332			
Frequency (MHz)				3670	3624.99	3679.98			
40	PI2 BPSK	1	1	15.64	15.62	15.63			
40	PI2 BPSK	1	53	15.39	15.32	15.29	17.0	0.0	
40	PI2 BPSK	1	104	15.41	15.51	15.29			
40	PI2 BPSK	50	0	15.29	15.31	15.18	17.0	0.0	
40	PI2 BPSK	50	28	15.63	15.61	15.31	17.0	0.0	
40	PI2 BPSK	50	56	15.31	15.12	15.17			
40	PI2 BPSK	100	0	15.37	15.16	15.25	17.0	0.0	
40	QPSK	1	1	15.45	15.74	15.58			
40	QPSK	1	53	15.57	15.58	15.59	17.0	0.0	
40	QPSK	1	104	15.56	15.27	15.38			
40	QPSK	50	0	15.29	15.52	15.53	17.0	0.0	
40	QPSK	50	28	15.58	15.48	15.62	17.0	0.0	
40	QPSK	50	56	15.26	15.50	15.36	17.0	0.0	
40	QPSK	100	0	15.40	15.45	15.42			
40	15QAM	1	1	15.32	15.37	15.30	17.0	0.0	
40	64QAM	1	1	15.35	15.47	15.38	17.0	0.0	
40	256QAM	1	1	15.43	15.63	15.55	17.0	0.0	
Channel				637688	641698	645988	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3695.02	3624.99	3684.99			
30	QPSK	1	1	15.20	15.08	15.70	17.0	0.0	
Channel				637334	641698	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3680.01	3624.99	3686			
20	QPSK	1	1	15.10	15.15	15.68	17.0	0.0	
Channel				637168	641698	646168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	3692.49			
15	QPSK	1	1	15.18	15.24	15.36	17.0	0.0	
Channel				637000	641698	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3694.98			
10	QPSK	1	1	15.23	15.04	15.52	17.0	0.0	

Part270 n77_Ant5 Sensor on NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	652000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	14.33	14.37	14.34			
100	PI2 BPSK	1	137	14.17	14.31	14.29			
100	PI2 BPSK	1	271	14.11	14.32	14.17	16.0	0.0	
100	PI2 BPSK	135	0	14.34	14.25	14.14	16.0	0.0	
100	PI2 BPSK	135	69	14.27	14.39	14.43	16.0	0.0	
100	PI2 BPSK	135	138	14.38	14.37	14.32			
100	PI2 BPSK	270	0	14.26	14.43	14.40	16.0	0.0	
100	QPSK	1	1	14.41	14.58	14.45			
100	QPSK	1	137	14.38	14.38	14.45	16.0	0.0	
100	QPSK	1	271	14.12	14.25	14.22			
100	QPSK	135	0	14.49	14.52	14.50	16.0	0.0	
100	QPSK	135	69	14.53	14.56	14.38	16.0	0.0	
100	QPSK	135	138	14.41	14.50	14.45	16.0	0.0	
100	QPSK	270	0	14.30	14.51	14.41			
100	15QAM	1	1	14.37	14.40	14.29	16.0	0.0	
100	64QAM	1	1	14.27	14.54	14.40	16.0	0.0	
100	256QAM	1	1	14.25	14.15	14.11	16.0	0.0	
Channel				649688	650000	662534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	14.50	14.45	14.20	16.0	0.0	
Channel				649334	650000	662988	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	14.30	14.41	14.44	16.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3944			
70	QPSK	1	1	14.41	14.40	14.46	16.0	0.0	
Channel				648688	650000	663534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	14.42	14.27	14.36	16.0	0.0	
Channel				648334	650000	663988	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	14.42	14.43	14.30	16.0	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	

Part27Q n77_Ant5 Sensor on NSA PC2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334		3500.01	18.0	0.0
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			14.41		
100	PI2 BPSK	1	137			14.40		
100	PI2 BPSK	1	271			14.31	18.0	0.0
100	PI2 BPSK	135	0			14.21		
100	PI2 BPSK	135	69			14.44		
100	PI2 BPSK	135	138			14.43		
100	PI2 BPSK	270	0			14.40	18.0	0.0
100	QPSK	1	1			14.63		
100	QPSK	1	137			14.30		
100	QPSK	1	271			14.15	18.0	0.0
100	QPSK	135	0			14.42		
100	QPSK	135	69			14.46		
100	QPSK	135	138			14.43		
100	QPSK	270	0			14.50	18.0	0.0
100	16QAM	1	1			14.38		
100	64QAM	1	1			14.50		
100	256QAM	1	1			14.24		
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.32	14.49	14.34	18.0	0.0
Channel				632968	633334	633690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	14.32	14.47	14.23	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.48	14.44	14.21	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.48	14.35	14.29	18.0	0.0
Channel				631968	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.38	14.30	14.28	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.41	14.32	14.17	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.39	14.44	14.20	18.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	14.49	14.35	14.36	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.48	14.38	14.30	18.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	14.35	14.49	14.33	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	14.38	14.27	14.34	18.0	0.0

Part270 n78_Ant5 Sensor on NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000			16.0	0.0
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		14.52			
100	PI2 BPSK	1	137		14.33			
100	PI2 BPSK	1	271		14.40			
100	PI2 BPSK	135	0		14.15		16.0	0.0
100	PI2 BPSK	135	69		14.51		16.0	0.0
100	PI2 BPSK	135	138		14.48		16.0	0.0
100	PI2 BPSK	270	0		14.46		16.0	0.0
100	QPSK	1	1		14.54			
100	QPSK	1	137		14.24		16.0	0.0
100	QPSK	1	271		14.19			
100	QPSK	135	0		14.32		16.0	0.0
100	QPSK	135	69		14.51		16.0	0.0
100	QPSK	135	138		14.47		16.0	0.0
100	QPSK	270	0		14.60		16.0	0.0
100	16QAM	1	1		14.33		16.0	0.0
100	64QAM	1	1		14.51		16.0	0.0
100	256QAM	1	1		14.31		16.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	123		14.35	14.30	14.33	16.0 0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109		14.33	14.52	14.24	16.0 0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95		14.37	14.44	14.33	16.0 0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81		14.29	14.57	14.34	16.0 0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67		14.23	14.55	14.36	16.0 0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53		14.41	14.42	14.28	16.0 0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	39		14.82	14.52	14.28	16.0 0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	32		14.43	14.58	14.43	16.0 0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26		14.39	14.52	14.37	16.0 0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19		14.30	14.40	14.24	16.0 0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12		14.40	14.44	14.29	16.0 0.0

Part27Q 78_Ant5 Sensor on NSA

BW [MHz]	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			16.0	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		14.32			
100	PI2 BPSK	1	137		14.36			
100	PI2 BPSK	1	271		14.34			
100	PI2 BPSK	135	0		13.82		16.0	0.0
100	PI2 BPSK	135	69		14.34		16.0	0.0
100	PI2 BPSK	135	138		13.82		16.0	0.0
100	PI2 BPSK	270	0		13.91		16.0	0.0
100	QPSK	1	1		14.47			
100	QPSK	1	137		14.11		16.0	0.0
100	QPSK	1	271		14.36			
100	QPSK	135	0		14.08		16.0	0.0
100	QPSK	135	69		14.10		16.0	0.0
100	QPSK	135	138		14.02		16.0	0.0
100	QPSK	270	0		14.26		16.0	0.0
100	16QAM	1	1		14.14		16.0	0.0
100	64QAM	1	1		14.04		16.0	0.0
100	256QAM	1	1		14.11		16.0	0.0
Channel				639000	639334	639668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	123		14.22	14.31	14.27	16.0 0.0
Channel				638668	639334	639668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	109		14.29	14.16	14.42	16.0 0.0
Channel				638334	639334	639334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	95		14.17	14.20	14.38	16.0 0.0
Channel				638000	639334	639668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	81		14.19	14.18	14.25	16.0 0.0
Channel				637668	639334	639668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	67		14.16	14.24	14.40	16.0 0.0
Channel				637334	639334	639334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	53		14.33	14.33	14.40	16.0 0.0
Channel				637000	639334	639668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	39		14.13	14.15	14.37	16.0 0.0
Channel				636634	639334	639668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	32		14.25	14.29	14.41	16.0 0.0
Channel				636668	639334	639668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	26		14.21	14.18	14.40	16.0 0.0
Channel				636000	639334	639668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	19		14.21	14.20	14.39	16.0 0.0
Channel				636334	639334	639668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	12		14.26	14.20	14.38	16.0 0.0

n30 Ant6 Sensor on NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000			18.5	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1		17.76		18.5	0.0
10	PI/2 BPSK	1	26		17.73			
10	PI/2 BPSK	1	50		17.78			
10	PI/2 BPSK	25	0		17.76		18.5	0.0
10	PI/2 BPSK	25	14		17.79		18.5	0.0
10	PI/2 BPSK	25	27		17.74		18.5	0.0
10	PI/2 BPSK	50	0		17.84			
10	QPSK	1	1		18.06		18.5	0.0
10	QPSK	1	26		17.76			
10	QPSK	1	50		17.83			
10	QPSK	25	0		17.77		18.5	0.0
10	QPSK	25	14		17.98		18.5	0.0
10	QPSK	25	27		17.71		18.5	0.0
10	QPSK	50	0		17.86		18.5	0.0
10	16QAM	1	1		17.64			
10	64QAM	1	1		17.91			
10	256QAM	1	1		17.78		18.5	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	17.97	17.98	17.93	18.5	0.0

n41 PC2&3 Ant6 Sensor on NSA&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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.16	17.05	17.27	18.0	0.0
100	PI/2 BPSK	1	137	17.36	17.11	17.29		
100	PI/2 BPSK	1	271	17.18	17.21	17.30		
100	PI/2 BPSK	135	0	17.20	17.28	17.13		
100	PI/2 BPSK	135	69	17.35	17.21	17.12	18.0	0.0
100	PI/2 BPSK	135	138	17.16	17.10	17.23	18.0	0.0
100	PI/2 BPSK	270	0	17.15	17.27	17.28		
100	QPSK	1	1	17.38	17.40	17.32		
100	QPSK	1	137	17.21	17.24	17.25	18.0	0.0
100	QPSK	1	271	17.12	17.30	17.21		
100	QPSK	135	0	17.18	17.32	17.69	18.0	0.0
100	QPSK	135	69	17.27	17.34	17.18	18.0	0.0
100	QPSK	135	138	17.21	17.16	17.19	18.0	0.0
100	QPSK	270	0	17.10	17.19	17.11		
100	16QAM	1	1	17.20	17.16	17.23	18.0	0.0
100	64QAM	1	1	17.13	17.22	17.20	18.0	0.0
100	256QAM	1	1	17.24	17.14	17.23	18.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.25	17.32	17.17	18.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.25	17.27	17.22	18.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.30	17.31	17.22	18.0	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.33	17.36	17.25	18.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.29	17.25	17.23	18.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.32	17.25	17.17	18.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.99		
30	QPSK	1	1	17.33	17.24	17.18	18.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.26	17.30	17.25	18.0	0.0
Channel				500100	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.5	2592.99	2682.48		
15	QPSK	1	1	17.32	17.28	17.19	18.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	17.30	17.34	17.28	18.0	0.0

n7 Ant8 Sensor on NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	18.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	17.32	17.25	17.43	18.5	0.0
50	PI/2 BPSK	1	135	17.39	17.33	17.45		
50	PI/2 BPSK	1	268	17.34	17.40	17.48		
50	PI/2 BPSK	135	0	17.44	17.44	17.37		
50	PI/2 BPSK	135	68	17.50	17.47	17.27	18.5	0.0
50	PI/2 BPSK	135	135	17.34	17.30	17.43	18.5	0.0
50	PI/2 BPSK	270	0	17.34	17.48	17.35		
50	QPSK	1	1	17.47	17.53	17.50	18.5	0.0
50	QPSK	1	135	17.46	17.48	17.42		
50	QPSK	1	268	17.51	17.51	17.41		
50	QPSK	135	0	17.37	17.39	17.32		
50	QPSK	135	68	17.45	17.48	17.30	18.5	0.0
50	QPSK	135	135	17.42	17.41	17.35	18.5	0.0
50	QPSK	270	0	17.27	17.43	17.39	18.5	0.0
50	16QAM	1	1	17.39	17.38	17.37		
50	64QAM	1	1	17.32	17.40	17.44	18.5	0.0
50	256QAM	1	1	17.44	17.30	17.46	18.5	0.0
Channel				504000	507000	510000	18.5	0.0
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	17.32	17.48	17.40	18.5	0.0
Channel				503000	507000	511000	18.5	0.0
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.37	17.44	17.43	18.5	0.0
Channel				502500	507000	511500	18.5	0.0
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.38	17.39	17.43	18.5	0.0
Channel				502000	507000	512000	18.5	0.0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	17.41	17.38	17.43	18.5	0.0
Channel				501500	507000	512500	18.5	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.37	17.43	17.39	18.5	0.0
Channel				501000	507000	513000	18.5	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.34	17.48	17.41	18.5	0.0
Channel				500500	507000	513500	18.5	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.34	17.40	17.39	18.5	0.0



n41 PC2&PC3 Ant8 Sensor on NSA									
BW [MHz]	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)				2546.01	2552.99	2640			
100	Pi2 BPSK	1	1	16.57	16.62	16.62	17.8	0.0	0.0
100	Pi2 BPSK	1	137	16.70	16.43	16.67			
100	Pi2 BPSK	1	271	16.61	16.43	16.50			
100	Pi2 BPSK	136	0	16.42	16.60	16.38			
100	Pi2 BPSK	136	69	16.70	16.61	16.56	17.8	0.0	0.0
100	Pi2 BPSK	136	136	16.46	16.61	16.55	17.8	0.0	0.0
100	Pi2 BPSK	270	0	16.39	16.69	16.53			
100	QPSK	1	1	16.96	16.72	16.56	17.8	0.0	0.0
100	QPSK	1	137	16.94	16.71	16.63			
100	QPSK	1	271	16.44	16.64	16.60			
100	QPSK	136	0	16.49	16.59	16.55			
100	QPSK	136	69	16.51	16.66	16.56	17.8	0.0	0.0
100	QPSK	136	136	16.46	16.57	16.61	17.8	0.0	0.0
100	QPSK	270	0	16.45	16.51	16.41			
100	16QAM	1	1	16.51	16.35	16.44	17.8	0.0	0.0
100	64QAM	1	1	16.55	16.62	16.52	17.8	0.0	0.0
100	256QAM	1	1	16.51	16.38	14.44	17.8	0.0	0.0
Channel									
Frequency (MHz)				508200	518998	526996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	16.51	16.59	16.57	17.8	0.0	0.0
Channel									
Frequency (MHz)				507204	518998	526996	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	16.59	16.63	16.53	17.8	0.0	0.0
Channel									
Frequency (MHz)				2531.01	2552.99	2655	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	16.59	16.61	16.47	17.8	0.0	0.0
Channel									
Frequency (MHz)				505204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	16.50	16.62	16.53	17.8	0.0	0.0
Channel									
Frequency (MHz)				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	16.51	16.63	16.54	17.8	0.0	0.0
Channel									
Frequency (MHz)				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.57	16.57	16.47	17.8	0.0	0.0
Channel									
Frequency (MHz)				2508.02	2552.99	2679.99	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	16.54	16.58	16.57	17.8	0.0	0.0
Channel									
Frequency (MHz)				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.50	16.60	16.54	17.8	0.0	0.0
Channel									
Frequency (MHz)				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.58	16.64	16.49	17.8	0.0	0.0

n48 Ant8 Sensor on NSA									
BW (MHz)	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)				3570	3624.99	3679.98			
40	Pi2 BPSK	1	1	11.32	11.37	11.39	13.0	0.0	
40	Pi2 BPSK	1	53	11.55	11.40	11.41			
40	Pi2 BPSK	1	104	11.36	11.42	11.26			
40	Pi2 BPSK	50	0	11.41	11.44	11.35			
40	Pi2 BPSK	50	28	11.45	11.40	11.27	13.0	0.0	
40	Pi2 BPSK	50	56	11.28	11.48	11.29	13.0	0.0	
40	Pi2 BPSK	100	0	11.31	11.48	11.42			
40	QPSK	1	1	11.51	11.56	11.40	13.0	0.0	
40	QPSK	1	53	11.47	11.52	11.46			
40	QPSK	1	104	11.28	11.45	11.32			
40	QPSK	50	0	11.32	11.46	11.33			
40	QPSK	50	26	11.47	11.49	11.34	13.0	0.0	
40	QPSK	50	56	11.33	11.36	11.42	13.0	0.0	
40	QPSK	100	0	11.21	11.25	11.24			
40	16QAM	1	1	11.31	11.33	11.35	13.0	0.0	
40	64QAM	1	1	11.12	11.30	11.19	13.0	0.0	
40	256QAM	1	1	11.18	11.27	11.20	13.0	0.0	
Channel									
Frequency (MHz)				637668	641666	645668	Tune-up limit (dBm)	MPR (db)	
30	QPSK	1	1	11.36	11.40	11.33	13.0	0.0	
Channel									
Frequency (MHz)				637334	641666	646000	Tune-up limit (dBm)	MPR (db)	
20	QPSK	1	1	11.57	11.51	11.36	13.0	0.0	
Channel									
Frequency (MHz)				637168	641666	646166	Tune-up limit (dBm)	MPR (db)	
15	QPSK	1	1	11.35	11.34	11.36	13.0	0.0	
Channel									
Frequency (MHz)				3557.52	3624.99	3692.49	Tune-up limit (dBm)	MPR (db)	
10	QPSK	1	1	11.39	11.43	11.29	13.0	0.0	

Part270 n77_Ant8 Sensor on NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	Pi2 BPSK	1	1	6.16	6.23	6.14	7.0	0.0	
100	Pi2 BPSK	1	137	6.25	6.27	6.29			
100	Pi2 BPSK	1	271	6.24	6.16	6.28			
100	Pi2 BPSK	136	0	6.19	6.37	6.05			
100	Pi2 BPSK	136	69	6.26	6.11	6.15	7.0	0.0	
100	Pi2 BPSK	136	136	6.17	6.24	6.02	7.0	0.0	
100	Pi2 BPSK	270	0	6.19	6.40	6.21			
100	QPSK	1	1	6.42	6.43	6.28	7.0	0.0	
100	QPSK	1	137	6.34	6.22	6.23			
100	QPSK	1	271	6.01	6.33	6.08			
100	QPSK	136	0	6.39	6.32	5.96			
100	QPSK	136	69	6.14	6.40	6.11	7.0	0.0	
100	QPSK	136	136	6.25	6.13	6.05	7.0	0.0	
100	QPSK	270	0	6.16	6.31	6.07			
100	16QAM	1	1	6.05	6.03	6.20	7.0	0.0	
100	64QAM	1	1	6.05	6.33	6.25	7.0	0.0	
100	256QAM	1	1	6.24	6.04	6.27	7.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	6.29	6.23	6.06	7.0	0.0	
Channel									
Frequency (MHz)				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	6.20	6.17	6.03	7.0	0.0	
Channel									
Frequency (MHz)				649000	656000	662900	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	6.21	6.33	6.02	7.0	0.0	
Channel									
Frequency (MHz)				648666	656000	663334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	6.18	6.32	6.16	7.0	0.0	
Channel									
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	6.26	6.18	6.02	7.0	0.0	
Channel									
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	6.21	6.23	6.07	7.0	0.0	
Channel									
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	6.14	6.26	6.19	7.0	0.0	
Channel									
Frequency (MHz)				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	6.32	6.34	6.17	7.0	0.0	
Channel									
Frequency (MHz)				647250	656000	664750	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	6.18	6.31	6.13	7.0	0.0	
Channel									
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	6.24	6.13	5.99	7.0	0.0	
Channel									
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	6.20	6.14	6.09	7.0	0.0	

Part27Q n77_Ant8 Sensor on NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mide Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
	Channel				635334	3500.01			
	Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	6.26					
100	PI2 BPSK	1	137	6.01			7.0	0.0	
100	PI2 BPSK	1	271	6.26					
100	PI2 BPSK	135	0	6.03			7.0	0.0	
100	PI2 BPSK	135	138	6.02					
100	PI2 BPSK	135	198	6.30			7.0	0.0	
100	PI2 BPSK	270	0	6.38					
100	QPSK	1	1	6.38					
100	QPSK	1	137	6.26					
100	QPSK	1	271	6.26					
100	QPSK	135	0	6.07			7.0	0.0	
100	QPSK	135	138	6.18			7.0	0.0	
100	QPSK	135	198	6.45			7.0	0.0	
100	QPSK	270	0	6.14					
100	16QAM	1	1	6.06					
100	16QAM	1	137	6.28			7.0	0.0	
100	256QAM	1	1	6.09			7.0	0.0	
	Channel				633000	633534	633668	Time-up limit (dBm)	MPR (dB)
	Frequency (MHz)				3495	3500.01	3505.02	7.0	0.0
50	QPSK	1	1	6.14	6.14	5.98	7.0	0.0	
	Channel				633668	633534	634000	Time-up limit (dBm)	MPR (dB)
	Frequency (MHz)				3490.02	3500.01	3510	7.0	0.0
80	QPSK	1	1	6.01	6.00	5.99	7.0	0.0	
	Channel				634534	633534	634534	Time-up limit (dBm)	MPR (dB)
	Frequency (MHz)				3485.01	3500.01	3515.01	7.0	0.0
70	QPSK	1	1	6.01	6.18	5.87	7.0	0.0	
	Channel				3480	3500.01	3500.02	Time-up limit (dBm)	MPR (dB)
	Frequency (MHz)				3480	3500.01	3500.02	7.0	0.0
60	QPSK	1	1	6.15	6.04	6.01	7.0	0.0	
	Channel				631868	633534	635000	Time-up limit (dBm)	MPR (dB)
	Frequency (MHz)				3475.02	3500.01	3505	7.0	0.0
50	QPSK	1	1	6.13	6.21	5.96	7.0	0.0	
	Channel				631334	633534	635334	Time-up limit (dBm)	MPR (dB)
	Frequency (MHz)				3470.01	3500.01	3503.01	7.0	0.0
40	QPSK	1	1	6.05	6.04	5.93	7.0	0.0	
	Channel				631000	633534	636668	Time-up limit (dBm)	MPR (dB)
	Frequency (MHz)				3465	3500.01	3503.02	7.0	0.0
30	QPSK	1	1	6.16	6.09	5.95	7.0	0.0	
	Channel				630934	633534	636934	Time-up limit (dBm)	MPR (dB)
	Frequency (MHz)				3462.51	3500.01	3503.51	7.0	0.0
25	QPSK	1	1	6.02	6.01	5.89	7.0	0.0	
	Channel				630668	633534	637000	Time-up limit (dBm)	MPR (dB)
	Frequency (MHz)				3460.02	3500.01	3500	7.0	0.0
20	QPSK	1	1	6.04	6.04	5.97	7.0	0.0	
	Channel				630200	633534	636166	Time-up limit (dBm)	MPR (dB)
	Frequency (MHz)				3457.51	3500.01	3502.52	7.0	0.0
15	QPSK	1	1	6.07	6.11	5.94	7.0	0.0	
	Channel				630334	633534	636334	Time-up limit (dBm)	MPR (dB)
	Frequency (MHz)				3456.01	3500.01	3504.01	7.0	0.0
10	QPSK	1	1	6.16	6.05	6.00	7.0	0.0	

Part270 n78_Ant1 Sensor on NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Time-up limit (dBm)	MPR (dB)
	Channel		Frequency (MHz)					
100	PQ2 BPSK	1	1	6.18			7.0	0.0
100	PQ2 BPSK	1	117	6.18				
100	PQ2 BPSK	1	271	6.18				
100	PQ2 BPSK	135	0	6.16				
100	PQ2 BPSK	135	69	6.16			7.0	0.0
100	PQ2 BPSK	135	138	6.16			7.0	0.0
100	PQ2 BPSK	270	0	6.24			7.0	0.0
100	QPSK	1	1	6.48			7.0	0.0
100	QPSK	1	117	6.48				
100	QPSK	1	271	6.48				
100	QPSK	135	0	6.21			7.0	0.0
100	QPSK	135	69	6.21			7.0	0.0
100	QPSK	135	138	6.21			7.0	0.0
100	QPSK	270	0	6.23			7.0	0.0
100	15QAM	1	1	6.01			7.0	0.0
100	15QAM	1	1	6.21			7.0	0.0
100	15QAM	1	1	6.01			7.0	0.0
	Channel		Frequency (MHz)	646968	650000	660534	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	3745.02	3750.02	3755.01	7.0	0.0
90	QPSK	1	123	6.10	6.13	6.03		
	Channel		Frequency (MHz)	646934	650000	660698	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	3740.01	3750	3760.02	7.0	0.0
80	QPSK	1	109	6.07	6.04	5.85		
	Channel		Frequency (MHz)	646903	650000	660700	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	3735	3750	3765	7.0	0.0
70	QPSK	1	95	6.03	6.02	5.90	7.0	0.0
	Channel		Frequency (MHz)	646868	650000	660734	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	3730.50	3750	3770.01	7.0	0.0
60	QPSK	1	81	6.12	5.91	5.93	7.0	0.0
	Channel		Frequency (MHz)	646334	650000	661698	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	3745.01	3750	3775.02	7.0	0.0
50	QPSK	1	67	6.08	5.90	5.90	7.0	0.0
	Channel		Frequency (MHz)	646800	650000	665000	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	3720	3750	3780	7.0	0.0
40	QPSK	1	53	6.11	6.08	5.99	7.0	0.0
	Channel		Frequency (MHz)	647668	650000	662534	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	3715.02	3750	3785.01	7.0	0.0
30	QPSK	1	39	6.08	5.98	5.97	7.0	0.0
	Channel		Frequency (MHz)	647500	650000	662500	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	3712.5	3750	3787.5	7.0	0.0
25	QPSK	1	32	6.03	5.99	6.04	7.0	0.0
	Channel		Frequency (MHz)	647234	650000	662668	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	3710.01	3750	3790.02	7.0	0.0
20	QPSK	1	26	6.07	5.95	6.05	7.0	0.0
	Channel		Frequency (MHz)	647068	650000	662534	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	3707.50	3750	3792.51	7.0	0.0
15	QPSK	1	19	6.12	5.94	6.01	7.0	0.0
	Channel		Frequency (MHz)	647000	650000	665000	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	3705	3750	3795	7.0	0.0
10	QPSK	1	12	6.07	5.90	6.01	7.0	0.0

Part27Q 78_Ant8 Sensor on NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
	Channel	Frequency (MHz)		633000	633334	633668	Time-up limit (dBm)	MPR (dB)	
				2450	300000	350502	7.0	0.0	
	Channel	Frequency (MHz)		630668	633334	634000	Time-up limit (dBm)	MPR (dB)	
				3480.02	3500.01	3510.01	7.0	0.0	
100	P22 BPSK	1	1	6.18	6.18			0.0	
100	P22 BPSK	1	137	5.96	5.96		7.0	0.0	
100	P22 BPSK	1	271	6.11	6.11		7.0	0.0	
100	P22 BPSK	136	0	6.11	6.11		7.0	0.0	
100	P22 BPSK	136	69	6.11	6.11		7.0	0.0	
100	P22 BPSK	136	138	6.11	6.11		7.0	0.0	
100	P22 BPSK	270	0	6.28	6.28		7.0	0.0	
100	QPSK	1	1	6.14	6.14		7.0	0.0	
100	QPSK	1	137	6.14	6.14		7.0	0.0	
100	QPSK	1	271	6.14	6.14		7.0	0.0	
100	QPSK	136	0	6.03	6.03				
100	QPSK	136	69	6.24	6.24		7.0	0.0	
100	QPSK	136	138	6.01	6.01		7.0	0.0	
100	QPSK	270	0	6.11	6.11		7.0	0.0	
100	16QAM	1	1	6.14	6.14		7.0	0.0	
100	16QAM	1	1	6.21	6.21		7.0	0.0	
100	256QAM	1	1	6.14	6.14		7.0	0.0	
	Channel	Frequency (MHz)		633000	633334	633668	Time-up limit (dBm)	MPR (dB)	
				2450	300000	350502	7.0	0.0	
50	QPSK	1	123	6.06	6.06	5.99	7.0	0.0	
	Channel	Frequency (MHz)		630668	633334	634000	Time-up limit (dBm)	MPR (dB)	
				3480.02	3500.01	3510.01	7.0	0.0	
80	QPSK	1	159	6.08	5.99	6.03	7.0	0.0	
	Channel	Frequency (MHz)		630668	633334	634000	Time-up limit (dBm)	MPR (dB)	
				3480.01	3500.01	3510.01	7.0	0.0	
70	QPSK	1	95	6.14	5.91	5.98	7.0	0.0	
	Channel	Frequency (MHz)		631000	633334	635668	Time-up limit (dBm)	MPR (dB)	
				3480	300000	350902	7.0	0.0	
60	QPSK	1	81	6.21	6.07	5.95	7.0	0.0	
	Channel	Frequency (MHz)		631668	633334	635000	Time-up limit (dBm)	MPR (dB)	
				3480.02	300000	3509	7.0	0.0	
50	QPSK	1	81	6.14	6.02	6.05	7.0	0.0	
	Channel	Frequency (MHz)		631334	633334	635334	Time-up limit (dBm)	MPR (dB)	
				3480.01	300000	3503.01	7.0	0.0	
40	QPSK	1	53	6.22	5.96	5.95	7.0	0.0	
	Channel	Frequency (MHz)		631000	633334	635668	Time-up limit (dBm)	MPR (dB)	
				3480	300000	3503.02	7.0	0.0	
30	QPSK	1	39	6.09	6.08	5.99	7.0	0.0	
	Channel	Frequency (MHz)		630334	633334	635834	Time-up limit (dBm)	MPR (dB)	
				3482.51	300000	3507.51	7.0	0.0	
25	QPSK	1	32	6.14	5.91	5.92	7.0	0.0	
	Channel	Frequency (MHz)		630668	633334	635000	Time-up limit (dBm)	MPR (dB)	
				3480.02	300000	3503	7.0	0.0	
20	QPSK	1	26	6.18	6.09	5.87	7.0	0.0	
	Channel	Frequency (MHz)		630000	633334	636166	Time-up limit (dBm)	MPR (dB)	
				3457.5	300001	3552.52	7.0	0.0	
15	QPSK	1	19	6.20	5.94	5.88	7.0	0.0	
	Channel	Frequency (MHz)		630334	633334	636334	Time-up limit (dBm)	MPR (dB)	
				3450.01	300001	3445.01	7.0	0.0	
10	QPSK	1	12	6.22	6.036	5.99	7.0	0.0	



n2 Ant0 Hotspot NSA									
BW (MHz)	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)				1670	1680	1690			
40	Pi2 BPSK	1	1	11.33	11.26	11.22			
40	Pi2 BPSK	1	108	11.25	11.22	11.23	12.0	0.0	
40	Pi2 BPSK	1	214	11.09	11.26	11.12			
40	Pi2 BPSK	108	0	11.25	11.11	11.18	12.0	0.0	
40	Pi2 BPSK	108	54	11.21	11.28	11.24	12.0	0.0	
40	Pi2 BPSK	108	108	11.25	11.28	11.21	12.0	0.0	
40	Pi2 BPSK	216	0	11.18	11.33	11.27			
40	QPSK	1	1	11.26	11.39	11.20			
40	QPSK	1	108	11.22	11.24	11.22	12.0	0.0	
40	QPSK	1	214	11.21	11.32	11.23			
40	QPSK	108	0	11.12	11.18	11.32	12.0	0.0	
40	QPSK	108	54	11.25	11.35	11.14	12.0	0.0	
40	QPSK	108	108	11.30	11.27	11.20			
40	QPSK	216	0	11.17	11.32	11.11	12.0	0.0	
40	16QAM	1	1	11.32	11.26	11.15	12.0	0.0	
40	64QAM	1	1	11.24	11.13	11.21	12.0	0.0	
40	256QAM	1	1	11.29	11.27	11.15	12.0	0.0	
Channel									
Frequency (MHz)				1665	1680	1685	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	11.12	11.30	11.17	12.0	0.0	
Channel									
Frequency (MHz)				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	11.18	11.17	11.13	12.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	11.12	11.32	11.11	12.0	0.0	
Channel									
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	11.07	11.24	11.11	12.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	11.26	11.33	11.14	12.0	0.0	
Channel									
Frequency (MHz)				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	11.09	11.22	11.16	12.0	0.0	

n5 Ant0 Hotspot NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166800	167300	167800			
20	Pi2 BPSK	1	1	22.05	22.04	21.90			
20	Pi2 BPSK	1	53	21.89	21.97	21.92	23.0	0.0	
20	Pi2 BPSK	1	104	21.93	21.98	21.93			
20	Pi2 BPSK	50	0	21.88	21.94	21.89	23.0	0.0	
20	Pi2 BPSK	50	26	22.00	22.06	21.98	23.0	0.0	
20	Pi2 BPSK	50	56	21.99	21.97	21.86			
20	Pi2 BPSK	100	0	21.99	22.06	21.85	23.0	0.0	
20	QPSK	1	1	21.97	22.08	22.03			
20	QPSK	1	53	21.91	21.96	22.01	23.0	0.0	
20	QPSK	1	104	22.01	22.01	21.90			
20	QPSK	50	0	21.84	22.03	21.88	23.0	0.0	
20	QPSK	50	26	21.86	21.88	21.83	23.0	0.0	
20	QPSK	50	56	21.70	21.85	21.80			
20	QPSK	100	0	21.78	21.91	21.87	23.0	0.0	
20	16QAM	1	1	21.85	22.07	21.81	23.0	0.0	
20	64QAM	1	1	20.98	20.24	20.19	21.5	1.5	
20	256QAM	1	1	18.36	18.47	18.38	19.5	3.5	
Channel									
Frequency (MHz)				1631.5	1636.5	1641.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.81	21.99	21.93	23.0	0.0	
Channel									
Frequency (MHz)				163800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.90	21.96	21.90	23.0	0.0	
Channel									
Frequency (MHz)				163300	163800	164300	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.84	22.00	21.88	23.0	0.0	

n26 Ant0 Hotspot NSA									
BW (MHz)	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)				164800	168300	167900			
				124	113	17			
20	Pi2 BPSK	1	1	21.72	21.58	21.41			
20	Pi2 BPSK	1	53	21.47	21.67	21.54	22.0	0.0	
20	Pi2 BPSK	1	104	21.48	21.47	21.43			
20	Pi2 BPSK	50	0	21.58	21.56	21.62	22.0	0.0	
20	Pi2 BPSK	50	26	21.59	21.58	21.62	22.0	0.0	
20	Pi2 BPSK	50	56	21.65	21.56	21.43			
20	Pi2 BPSK	100	0	21.55	21.63	21.40	22.0	0.0	
20	QPSK	1	1	21.60	21.77	21.69			
20	QPSK	1	53	21.45	21.43	21.68	22.0	0.0	
20	QPSK	1	104	21.58	21.62	21.48			
20	QPSK	50	0	21.57	21.64	21.49	22.0	0.0	
20	QPSK	50	26	21.47	21.68	21.42	22.0	0.0	
20	QPSK	50	56	21.63	21.64	21.57			
20	QPSK	100	0	21.60	21.65	21.51	22.0	0.0	
20	16QAM	1	1	21.65	21.55	21.42	22.0	0.0	
20	64QAM	1	1	19.90	20.01	20.02	20.5	1.5	
20	256QAM	1	1	18.21	18.28	18.21	18.5	3.5	
Channel									
Frequency (MHz)				163800	168300	168800	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.48	21.61	21.55	22.0	0.0	
Channel									
Frequency (MHz)				163800	168300	168800	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.51	21.65	21.63	22.0	0.0	
Channel									
Frequency (MHz)				163300	163300	163300	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.53	21.68	21.58	22.0	0.0	



n25 Ant0 Hotspot NSA									
BW [MHz]	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	PQ2 BPSK	1	1	11.39	11.30	11.38	12.0	0.0	
40	PQ2 BPSK	1	108	11.37	11.32	11.37			
40	PQ2 BPSK	1	214	11.24	11.39	11.22			
40	PQ2 BPSK	108	0	11.37	11.22	11.27	12.0	0.0	
40	PQ2 BPSK	108	54	11.28	11.39	11.32	12.0	0.0	
40	PQ2 BPSK	108	108	11.36	11.33	11.26	12.0	0.0	
40	PQ2 BPSK	216	0	11.22	11.45	11.39	12.0	0.0	
40	QPSK	1	1	11.33	11.47	11.31	12.0	0.0	
40	QPSK	1	108	11.29	11.33	11.29			
40	QPSK	1	214	11.35	11.40	11.33			
40	QPSK	108	0	11.25	11.33	11.40	12.0	0.0	
40	QPSK	108	54	11.41	11.45	11.18	12.0	0.0	
40	QPSK	108	108	11.39	11.32	11.35	12.0	0.0	
40	QPSK	216	0	11.23	11.41	11.23	12.0	0.0	
40	16QAM	1	1	11.37	11.37	11.22	12.0	0.0	
40	64QAM	1	1	11.27	11.22	11.30	12.0	0.0	
40	256QAM	1	1	11.37	11.32	11.25	12.0	0.0	
Channel				373000	376500	380000	Tune-up limit	MPR	
Frequency (MHz)				1865	1882.5	1900	(dBm)	(dB)	
30	QPSK	1	1	11.28	11.36	11.18	12.0	0.0	
Channel				372500	376500	380500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5	(dBm)	(dB)	
25	QPSK	1	1	11.25	11.38	11.24	12.0	0.0	
Channel				372000	376500	381000	Tune-up limit	MPR	
Frequency (MHz)				1860	1862.5	1905	(dBm)	(dB)	
20	QPSK	1	1	11.21	11.39	11.20	12.0	0.0	
Channel				371500	376500	381500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1862.5	1910.5	(dBm)	(dB)	
15	QPSK	1	1	11.25	11.42	11.25	12.0	0.0	
Channel				371000	376500	382000	Tune-up limit	MPR	
Frequency (MHz)				1854	1862.5	1916	(dBm)	(dB)	
10	QPSK	1	1	11.21	11.39	11.23	12.0	0.0	
Channel				370500	376500	382500	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1862.5	1912.5	(dBm)	(dB)	
5	QPSK	1	1	11.27	11.32	11.25	12.0	0.0	

n66 Ant0 Hotspot NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PQ2 BPSK	1	1	14.08	14.21	13.92	14.5	0.0	
40	PQ2 BPSK	1	108	14.11	13.90	14.09			
40	PQ2 BPSK	1	214	14.02	13.93	13.89			
40	PQ2 BPSK	108	0	14.06	13.88	13.88	14.5	0.0	
40	PQ2 BPSK	108	54	14.09	14.00	14.03	14.5	0.0	
40	PQ2 BPSK	108	108	13.98	14.12	14.04	14.5	0.0	
40	PQ2 BPSK	216	0	14.04	14.18	13.98	14.5	0.0	
40	QPSK	1	1	14.18	14.28	13.92	14.5	0.0	
40	QPSK	1	108	13.93	14.13	13.95			
40	QPSK	1	214	14.02	14.15	14.00			
40	QPSK	108	0	14.04	13.88	14.08	14.5	0.0	
40	QPSK	108	54	14.02	14.16	14.02	14.5	0.0	
40	QPSK	108	108	14.09	14.03	13.94	14.5	0.0	
40	QPSK	216	0	14.03	14.11	14.00	14.5	0.0	
40	16QAM	1	1	14.15	14.20	13.87	14.5	0.0	
40	64QAM	1	1	13.98	13.83	13.87	14.5	0.0	
40	256QAM	1	1	14.01	14.12	13.89	14.5	0.0	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	PQ2 BPSK	1	1	14.11	14.17	13.87	14.5	0.0	
Channel				344500	349000	353500	Tune-up limit	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	PQ2 BPSK	1	1	14.07	14.11	13.93	14.5	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	256QAM	1	1	14.03	14.10	13.88	14.5	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	14.12	14.08	13.85	14.5	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1714	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	14.03	14.10	13.88	14.5	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	13.98	13.99	13.83	14.5	0.0	

n70 Ant0 Hotspot NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340000	345000				
Frequency (MHz)				1702.5					
15	PQ2 BPSK	1	1	14.21			15.0	0.0	
15	PQ2 BPSK	1	40	14.02					
15	PQ2 BPSK	1	77	14.10					
15	PQ2 BPSK	36	0	13.98			15.0	0.0	
15	PQ2 BPSK	36	22	14.12			15.0	0.0	
15	PQ2 BPSK	36	43	14.23			15.0	0.0	
15	PQ2 BPSK	75	0	14.19			15.0	0.0	
15	QPSK	1	1	14.29					
15	QPSK	1	40	14.11					
15	QPSK	1	77	14.21			15.0	0.0	
15	QPSK	36	0	14.09					
15	QPSK	36	22	14.27					
15	QPSK	36	43	14.13			15.0	0.0	
15	QPSK	75	0	14.20			15.0	0.0	
15	16QAM	1	1	14.17					
15	64QAM	1	1	14.01					
15	256QAM	1	1	14.14			15.0	0.0	
Channel				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	14.25	14.22	14.24	15.0	0.0	
Channel				339500	345000	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5 <th>1702.5<th>1707.5</th><th></th><th colspan="2"></th></th>	1702.5 <th>1707.5</th> <th></th> <th colspan="2"></th>	1707.5			
5	QPSK	1	1	14.24	14.14	14.15	15.0	0.0	



n2 Ant1 Hotspot NSA									
BW (MHz)	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)				1670	1680	1690			
40	Pl2 BPSK	1	1	13.19	13.16	13.00			
40	Pl2 BPSK	1	108	13.11	13.01	13.04	14.0	0.0	
40	Pl2 BPSK	1	214	12.96	13.06	12.89			
40	Pl2 BPSK	108	0	13.12	12.85	13.00	14.0	0.0	
40	Pl2 BPSK	108	54	13.02	13.01	13.03	14.0	0.0	
40	Pl2 BPSK	108	108	13.09	13.09	12.95			
40	Pl2 BPSK	216	0	13.00	13.17	13.03	14.0	0.0	
40	QPSK	1	1	13.19	13.23	13.11			
40	QPSK	1	108	12.95	13.04	12.93	14.0	0.0	
40	QPSK	1	214	13.03	13.07	12.93			
40	QPSK	108	0	12.99	13.04	13.06	14.0	0.0	
40	QPSK	108	54	13.10	13.20	12.97	14.0	0.0	
40	QPSK	108	108	13.12	13.04	12.86			
40	QPSK	216	0	12.99	13.15	12.94	14.0	0.0	
40	16QAM	1	1	13.22	13.17	12.89	14.0	0.0	
40	64QAM	1	1	12.97	12.95	12.83	14.0	0.0	
40	256QAM	1	1	13.09	12.99	12.88	14.0	0.0	
Channel									
Frequency (MHz)				1685	1680	1695	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.06	13.05	12.94	14.0	0.0	
Channel									
Frequency (MHz)				172500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	13.13	13.24	12.90	14.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	13.08	13.16	12.94	14.0	0.0	
Channel									
Frequency (MHz)				371500	376000	382500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	13.02	13.06	13.01	14.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.13	13.07	13.00	14.0	0.0	
Channel									
Frequency (MHz)				370900	376000	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	12.99	13.10	12.92	14.0	0.0	

n5 Ant1 Hotspot NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	21.08	21.10	21.06			
20	Pl2 BPSK	1	53	21.15	21.16	21.16	22.5	0.0	
20	Pl2 BPSK	1	104	21.05	21.14	20.97			
20	Pl2 BPSK	50	0	21.17	21.16	21.12	22.5	0.0	
20	Pl2 BPSK	50	26	21.14	21.14	20.98	22.5	0.0	
20	Pl2 BPSK	50	56	21.07	21.07	21.16			
20	Pl2 BPSK	100	0	20.95	21.19	21.01	22.5	0.0	
20	QPSK	1	1	21.19	21.26	21.22			
20	QPSK	1	53	21.23	21.18	21.15	22.5	0.0	
20	QPSK	1	104	21.11	21.20	21.10			
20	QPSK	50	0	21.16	21.10	21.19	22.5	0.0	
20	QPSK	50	26	21.14	21.22	21.11	22.5	0.0	
20	QPSK	50	56	21.10	21.08	21.08			
20	QPSK	100	0	21.07	21.12	20.98	22.5	0.0	
20	16QAM	1	1	21.05	20.97	21.03	22.5	0.0	
20	64QAM	1	1	19.94	20.03	19.99	21.5	1.0	
20	256QAM	1	1	18.12	18.17	18.10	19.5	3.0	
Channel									
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.10	21.14	21.16	22.5	0.0	
Channel									
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.04	21.13	21.12	22.5	0.0	
Channel									
Frequency (MHz)				836.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.06	21.20	21.11	22.5	0.0	

n25 Ant1 Hotspot NSA									
BW (MHz)	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)				1670	1682.5	1695			
40	Pl2 BPSK	1	1	13.23	13.26	13.13			
40	Pl2 BPSK	1	108	13.16	13.06	13.16	14.0	0.0	
40	Pl2 BPSK	1	214	13.02	13.14	13.04			
40	Pl2 BPSK	108	0	13.26	13.03	13.01	14.0	0.0	
40	Pl2 BPSK	108	54	13.14	13.18	13.10	14.0	0.0	
40	Pl2 BPSK	108	108	13.08	13.11	13.14			
40	Pl2 BPSK	216	0	13.08	13.15	13.04	14.0	0.0	
40	QPSK	1	1	13.22	13.29	13.09			
40	QPSK	1	108	13.06	13.12	13.12	14.0	0.0	
40	QPSK	1	214	13.18	13.17	12.94			
40	QPSK	108	0	13.12	13.09	13.09	14.0	0.0	
40	QPSK	108	54	13.19	13.27	12.98	14.0	0.0	
40	QPSK	108	108	13.18	13.10	13.08			
40	QPSK	216	0	13.12	13.24	13.03	14.0	0.0	
40	16QAM	1	1	13.26	13.26	12.97	14.0	0.0	
40	64QAM	1	1	13.13	12.95	13.11	14.0	0.0	
40	256QAM	1	1	13.21	13.04	13.07	14.0	0.0	
Channel									
Frequency (MHz)				1685	1692.5	1690	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.16	13.24	12.97	14.0	0.0	
Channel									
Frequency (MHz)				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	13.18	13.22	12.93	14.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	13.14	13.15	13.03	14.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	13.15	13.20	12.95	14.0	0.0	
Channel									
Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.14	13.23	13.05	14.0	0.0	
Channel									
Frequency (MHz)				370900	376500	382500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	13.08	13.14	12.99	14.0	0.0	



n26 Ant1 Hotspot NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PB2 BPSK	1	1	21.18	21.13	21.09		
20	PB2 BPSK	1	53	21.29	21.23	21.19	22.5	0.0
20	PB2 BPSK	1	104	21.18	21.24	21.09		
20	PB2 BPSK	50	0	21.26	21.30	21.25	22.5	0.0
20	PB2 BPSK	50	28	21.30	21.31	21.12	22.5	0.0
20	PB2 BPSK	50	56	21.29	21.18	21.20		
20	PB2 BPSK	100	0	21.00	21.21	21.12	22.5	0.0
20	QPSK	1	1	21.28	21.32	21.22		
20	QPSK	1	53	21.15	21.16	21.29	22.5	0.0
20	QPSK	1	104	21.29	21.09	21.25		
20	QPSK	50	0	21.23	21.13	21.21	22.5	0.0
20	QPSK	50	28	21.26	21.26	21.23	22.5	0.0
20	QPSK	50	56	21.08	21.22	21.19		
20	QPSK	100	0	21.10	21.24	21.15	22.5	0.0
20	16QAM	1	1	21.17	21.14	21.08	22.5	0.0
20	64QAM	1	1	19.99	19.99	19.99	21.5	1.0
20	256QAM	1	1	17.88	17.99	17.92	19.5	3.0
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	21.20	21.24	21.18	22.5	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				818	831.5	844		
10	QPSK	1	1	21.14	21.21	21.08	22.5	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.19	21.27	21.16	22.5	0.0

n66 Ant1 Hotspot NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1720	1745	1760		
40	PB2 BPSK	1	1	14.01	13.85	13.81		
40	PB2 BPSK	1	108	13.85	13.81	13.92	15.0	0.0
40	PB2 BPSK	1	214	13.73	13.87	13.69		
40	PB2 BPSK	108	0	14.00	13.76	13.66	15.0	0.0
40	PB2 BPSK	108	54	13.89	13.90	13.79	15.0	0.0
40	PB2 BPSK	108	108	13.73	13.80	13.83		
40	PB2 BPSK	216	0	13.74	13.80	13.74	15.0	0.0
40	QPSK	1	1	13.92	14.02	13.76		
40	QPSK	1	108	13.81	13.89	13.79	15.0	0.0
40	QPSK	1	214	13.88	13.85	13.91		
40	QPSK	108	0	13.86	13.81	13.84	15.0	0.0
40	QPSK	108	54	13.84	13.97	13.84	15.0	0.0
40	QPSK	108	108	13.87	13.75	13.82		
40	QPSK	216	0	13.86	13.90	13.78	15.0	0.0
40	16QAM	1	1	13.98	13.93	13.72	15.0	0.0
40	64QAM	1	1	13.80	13.82	13.89	15.0	0.0
40	256QAM	1	1	13.88	13.74	13.74	15.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PB2 BPSK	1	1	13.85	13.89	13.67	15.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	PB2 BPSK	1	1	13.84	13.90	13.61	15.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	256QAM	1	1	13.84	13.90	13.69	15.0	0.0
Channel				343500	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	13.87	13.98	13.70	15.0	0.0
Channel				343000	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1714	1745	1775		
10	QPSK	1	1	13.76	13.92	13.63	15.0	0.0
Channel				342500	349000	356000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	13.68	13.82	13.68	15.0	0.0

n70 Ant1 Hotspot NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	350000		
Frequency (MHz)				1702.5				
15	PB2 BPSK	1	1		13.20			
15	PB2 BPSK	1	40		16.43		17.5	0.0
15	PB2 BPSK	1	77		16.44			
15	PB2 BPSK	36	0		16.40		17.5	0.0
15	PB2 BPSK	36	22		16.36		17.5	0.0
15	PB2 BPSK	36	43		16.37		17.5	0.0
15	PB2 BPSK	75	0		16.41			
15	QPSK	1	1		16.46			
15	QPSK	1	40		16.24		17.5	0.0
15	QPSK	1	77		16.32			
15	QPSK	36	0		16.23		17.5	0.0
15	QPSK	36	22		16.43		17.5	0.0
15	QPSK	36	43		16.31		17.5	0.0
15	QPSK	75	0		16.32			
15	16QAM	1	1		16.12		17.5	0.0
15	64QAM	1	1		16.11		17.5	0.0
15	256QAM	1	1		16.39		17.5	0.0
Channel				345000	349000	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	16.34	16.38	16.39	17.5	0.0
Channel				345000	349000	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	16.39	16.40	16.36	17.5	0.0



n48 Ant3 Hotspot NSA									
BW [MHz]	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	16.0	0.0	
Frequency (MHz)				3670	3624.99	3679.98			
40	PI2 BPSK	1	1	14.39	14.55	14.37	16.0	0.0	
40	PI2 BPSK	1	53	14.40	14.52	14.22			
40	PI2 BPSK	1	104	14.34	14.50	14.21	16.0	0.0	
40	PI2 BPSK	50	0	14.58	14.48	14.31			
40	PI2 BPSK	50	28	14.41	14.57	14.21	16.0	0.0	
40	PI2 BPSK	50	56	14.53	14.42	14.38			
40	PI2 BPSK	100	0	14.43	14.32	14.22	16.0	0.0	
40	QPSK	1	1	14.87	14.95	14.53			
40	QPSK	1	53	14.40	14.57	14.34	16.0	0.0	
40	QPSK	1	104	14.42	14.46	14.35			
40	QPSK	50	0	14.39	14.56	14.27	16.0	0.0	
40	QPSK	50	28	14.34	14.52	14.37			
40	QPSK	50	56	14.43	14.42	14.29	16.0	0.0	
40	QPSK	100	0	14.36	14.47	14.30			
40	16QAM	1	1	14.40	14.43	14.27	16.0	0.0	
40	64QAM	1	1	14.29	14.47	14.41			
40	256QAM	1	1	14.31	14.56	14.25	16.0	0.0	
Channel				637668	641666	645666		MPR (dB)	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	14.21	14.15	14.18	16.0	0.0	
Channel				637334	641666	646000			
Frequency (MHz)				3560.01	3624.99	3680	16.0	0.0	
20	QPSK	1	1	14.13	14.19	14.24		0.0	
Channel				637168	641666	646166	16.0	MPR (dB)	
Frequency (MHz)				3557.52	3624.99	3692.49			
15	QPSK	1	1	14.12	14.27	14.31	16.0	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3555	3624.99	3694.98	16.0	0.0	
10	QPSK	1	1	14.14	14.24	14.37			

Par270 n77 Ant3 Hotspot NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	652000	14.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	12.93	12.84	12.75	14.5	0.0	
100	PI2 BPSK	1	137	13.01	12.96	12.80			
100	PI2 BPSK	1	271	12.92	12.99	12.78	14.5	0.0	
100	PI2 BPSK	135	0	12.91	12.99	12.97			
100	PI2 BPSK	135	69	12.85	12.94	12.86	14.5	0.0	
100	PI2 BPSK	135	138	12.89	13.00	12.83			
100	PI2 BPSK	270	0	12.75	12.86	13.00	14.5	0.0	
100	QPSK	1	1	12.99	13.02	12.92			
100	QPSK	1	137	12.86	12.91	12.98	14.5	0.0	
100	QPSK	1	271	12.85	12.82	12.91			
100	QPSK	135	0	12.87	12.89	12.84	14.5	0.0	
100	QPSK	135	69	12.88	13.00	12.82			
100	QPSK	135	138	12.84	12.87	12.78	14.5	0.0	
100	QPSK	270	0	12.82	12.98	12.85			
100	16QAM	1	1	12.74	12.86	12.79	14.5	0.0	
100	64QAM	1	1	12.82	12.89	12.91			
100	256QAM	1	1	12.88	12.82	12.75	14.5	0.0	
Channel				649668	650000	662334		MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	12.91	12.94	12.82	14.5	0.0	
Channel				649334	650000	662668			
Frequency (MHz)				3740.01	3840	3940.02	14.5	0.0	
80	QPSK	1	1	12.88	12.86	12.86		0.0	
Channel				649000	650000	663000	14.5	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	12.86	12.93	12.86	14.5	0.0	
Channel				648668	650000	663334		MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	12.86	12.89	12.87	14.5	0.0	
Channel				648334	650000	663668			
Frequency (MHz)				3725.01	3840	3955.02	14.5	0.0	
50	QPSK	1	1	12.90	12.95	12.78		0.0	
Channel				648000	650000	664000	14.5	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	12.85	12.87	12.80	14.5	0.0	
Channel				647668	650000	664334		MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	12.90	12.96	12.77	14.5	0.0	
Channel				647500	650000	664500		MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	12.85	12.91	12.85	14.5	0.0	
Channel				647334	650000	664668		MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	12.91	12.88	12.82	14.5	0.0	
Channel				647168	650000	664834		MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	12.83	12.91	12.82	14.5	0.0	
Channel				647000	650000	665000			
Frequency (MHz)				3705	3840	3975	14.5	0.0	
10	QPSK	1	1	12.89	12.97	12.78			

Part27Q n77 Ant3 Hotspot NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334	14.5	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		12.85		14.5	0.0	
100	PI2 BPSK	1	137		13.04				
100	PI2 BPSK	1	271		12.98		14.5	0.0	
100	PI2 BPSK	135	0		12.98				
100	PI2 BPSK	135	69		13.01		14.5	0.0	
100	PI2 BPSK	135	138		12.99				
100	PI2 BPSK	270	0		12.84		14.5	0.0	
100	QPSK	1	1		13.07				
100	QPSK	1	137		12.93		14.5	0.0	
100	QPSK	1	271		12.79				
100	QPSK	135	0		12.90		14.5	0.0	
100	QPSK	135	69		13.06				
100	QPSK	135	138		12.87		14.5	0.0	
100	QPSK	270	0		12.97				
100	16QAM	1	1		12.75		14.5	0.0	
100	64QAM	1	1		12.80				
100	256QAM	1	1		12.78		14.5	0.0	
Channel				633000	633334	633668		MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02			
90	QPSK	1	1		12.97	12.95	14.5	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	14.5	0.0	
80	QPSK	1	1		12.92	13.01		0.0	
Channel				632334	633334	634334	14.5	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		12.97	13.00	14.5	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3490.02	3500.01	3515.02	14.5	MPR (dB)	
60	QPSK	1	1		13.02	12.93		14.5	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	14.5	MPR (dB)	
50	QPSK	1	1		13.03	12.97		14.5	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	14.5	MPR (dB)	
40	QPSK	1	1		13.02	12.92		14.5	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3460	3500.01	3535.02	14.5	MPR (dB)	
30	QPSK	1	1		13.03	12.91		14.5	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3462.51	3500.01	3537.51	14.5	MPR (dB)	
25	QPSK	1	1		13.92	13.94		14.5	0.0
Channel				630668	633334	636600			
Frequency (MHz)				3460.02	3500.01	3540	14.5	MPR (dB)	
20	QPSK	1	1		13.91	13.95		14.5	0.0
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52	14.5	MPR (dB)	
15	QPSK	1	1		13.88	13.94		14.5	0.0
Channel				630334	633334	635834			
Frequency (MHz)				3455.01	3500.01	3545.01	14.5	MPR (dB)	
10	QPSK	1	1		13.96	14.03		14.5	0.0

Part27O n78_Ant3 Hotspot NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000			14.5	0.0	
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		12.94		14.5	0.0	
100	PI2 BPSK	1	137		13.06				
100	PI2 BPSK	1	271		12.91		14.5	0.0	
100	PI2 BPSK	135	0		13.05				
100	PI2 BPSK	135	69		12.85		14.5	0.0	
100	PI2 BPSK	135	138		12.89		14.5	0.0	
100	PI2 BPSK	270	0		12.93		14.5	0.0	
100	QPSK	1	1		13.08		14.5	0.0	
100	QPSK	1	137		12.80				
100	QPSK	1	271		12.82		14.5	0.0	
100	QPSK	135	0		12.78				
100	QPSK	135	69		12.97		14.5	0.0	
100	QPSK	135	138		12.84		14.5	0.0	
100	QPSK	270	0		13.07		14.5	0.0	
100	16QAM	1	1		12.95		14.5	0.0	
100	64QAM	1	1		12.91		14.5	0.0	
100	256QAM	1	1		12.72		14.5	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dB)		
90	QPSK	1	123		12.92	13.11	12.92	14.5	0.0
Channel				845334	650000	650968	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dB)		
80	QPSK	1	109		12.96	12.99	13.01	14.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	QPSK	1	95		12.97	13.11	13.05	14.5	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dB)		
60	QPSK	1	81		12.91	13.01	12.94	14.5	0.0
Channel				845334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dB)		
50	QPSK	1	67		12.82	12.92	13.05	14.5	0.0
Channel				649000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	53		12.88	12.91	12.92	14.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dB)		
30	QPSK	1	39		12.82	12.90	13.02	14.5	0.0
Channel				847500	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)		
25	QPSK	1	32		12.83	12.91	12.95	14.5	0.0
Channel				847334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)		
20	QPSK	1	26		12.86	13.04	12.97	14.5	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dB)		
15	QPSK	1	19		12.83	13.06	13.04	14.5	0.0
Channel				8471000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)		
10	QPSK	1	12		12.93	13.07	12.96	14.5	0.0

Part27Q 78_Ant3 Hotspot NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			14.5	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		12.74		14.5	0.0	
100	PI2 BPSK	1	137		12.96				
100	PI2 BPSK	1	271		12.95		14.5	0.0	
100	PI2 BPSK	135	0		12.91				
100	PI2 BPSK	135	69		13.10		14.5	0.0	
100	PI2 BPSK	135	138		13.10		14.5	0.0	
100	PI2 BPSK	270	0		12.83		14.5	0.0	
100	QPSK	1	1		13.13		14.5	0.0	
100	QPSK	1	137		12.85				
100	QPSK	1	271		12.80		14.5	0.0	
100	QPSK	135	0		12.92				
100	QPSK	135	69		12.97		14.5	0.0	
100	QPSK	135	138		12.87		14.5	0.0	
100	QPSK	270	0		13.03		14.5	0.0	
100	16QAM	1	1		12.77		14.5	0.0	
100	64QAM	1	1		12.87		14.5	0.0	
100	256QAM	1	1		12.74		14.5	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)		
90	QPSK	1	123		12.89	12.97	13.09	14.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)		
80	QPSK	1	109		12.85	13.03	12.90	14.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)		
70	QPSK	1	95		13.02	13.00	12.95	14.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)		
60	QPSK	1	81		12.99	12.99	13.00	14.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)		
50	QPSK	1	67		12.88	13.05	13.02	14.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)		
40	QPSK	1	53		12.83	12.94	12.94	14.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)		
30	QPSK	1	39		12.84	13.09	12.89	14.5	0.0
Channel				630634	633334	635834	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)		
25	QPSK	1	32		12.96	13.10	12.95	14.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)		
20	QPSK	1	26		13.00	12.91	13.09	14.5	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)		
15	QPSK	1	19		12.96	13.04	12.92	14.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)		
10	QPSK	1	12		12.99	13.10	13.06	14.5	0.0



n48 Ant4 Hotspot NSA									
BW [MHz]	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)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	11.39	11.48	11.35			
40	PI2 BPSK	1	50	11.36	11.53	11.38	13.2	0.0	
40	PI2 BPSK	1	104	11.30	11.52	11.36			
40	PI2 BPSK	50	0	11.30	11.47	11.35	13.2	0.0	
40	PI2 BPSK	50	28	11.32	11.46	11.33	13.2	0.0	
40	PI2 BPSK	50	56	11.35	11.55	11.36			
40	PI2 BPSK	100	0	11.36	11.56	11.36	13.2	0.0	
40	QPSK	1	1	11.38	11.61	11.50			
40	QPSK	1	53	11.31	11.48	11.38	13.2	0.0	
40	QPSK	1	104	11.36	11.52	11.40			
40	QPSK	50	0	11.35	11.52	11.30	13.2	0.0	
40	QPSK	50	28	11.36	11.55	11.33	13.2	0.0	
40	QPSK	50	56	11.37	11.58	11.39			
40	QPSK	100	0	11.32	11.44	11.37	13.2	0.0	
40	15QAM	1	1	11.41	11.48	11.33	13.2	0.0	
40	64QAM	1	1	11.36	11.46	11.36	13.2	0.0	
40	256QAM	1	1	11.30	11.54	11.31	13.2	0.0	
Channel				637668	641666	645666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	11.27	11.43	11.15	13.2	0.0	
Channel				637234	641666	646000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3560.01	3624.99	3680			
20	QPSK	1	1	11.26	11.42	11.21	13.2	0.0	
Channel				637168	641666	646166	Tune-up limit (dB)	MPR	
Frequency (MHz)				3557.52	3624.99	3692.69			
15	QPSK	1	1	11.26	11.43	11.25	13.2	0.0	
Channel				637000	641666	646332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	11.20	11.37	11.18	13.2	0.0	

Par270 n77 Ant4 Hotspot NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	14.68	14.70	14.76			
100	PI2 BPSK	1	137	14.79	14.81	14.65	16.5	0.0	
100	PI2 BPSK	1	271	14.67	14.87	14.70			
100	PI2 BPSK	135	0	14.65	14.80	14.71	16.5	0.0	
100	PI2 BPSK	135	69	14.79	14.73	14.72	16.5	0.0	
100	PI2 BPSK	135	138	14.61	14.80	14.67			
100	PI2 BPSK	270	0	14.66	14.62	14.66	16.5	0.0	
100	QPSK	1	1	14.63	14.70	14.73			
100	QPSK	1	137	14.71	14.71	14.68	16.5	0.0	
100	QPSK	1	271	14.71	14.81	14.72			
100	QPSK	135	0	14.75	14.74	14.74	16.5	0.0	
100	QPSK	135	69	14.76	14.75	14.64	16.5	0.0	
100	QPSK	135	138	14.69	14.59	14.68			
100	QPSK	270	0	14.63	14.73	14.68	16.5	0.0	
100	15QAM	1	1	14.68	14.81	14.62	16.5	0.0	
100	64QAM	1	1	14.62	14.70	14.69	16.5	0.0	
100	256QAM	1	1	14.65	14.66	14.71	16.5	0.0	
Channel				648668	650000	662334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	14.77	14.77	14.61	16.5	0.0	
Channel				646334	650000	662668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	14.73	14.80	14.67	16.5	0.0	
Channel				648000	650000	663000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3735	3840	3944			
70	QPSK	1	1	14.75	14.85	14.60	16.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	14.71	14.83	14.61	16.5	0.0	
Channel				646334	650000	663668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	14.72	14.79	14.64	16.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	14.78	14.82	14.67	16.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	14.70	14.81	14.60	16.5	0.0	
Channel				647500	650000	664500	Tune-up limit (dB)	MPR	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	14.68	14.79	14.69	16.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	14.76	14.74	14.68	16.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dB)	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	14.68	14.77	14.66	16.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	14.72	14.76	14.62	16.5	0.0	

Part27Q n77 Ant4 Hotspot NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	3500.01			
Frequency (MHz)									
100	PI2 BPSK	1	1		14.58				
100	PI2 BPSK	1	137		14.58		16.5	0.0	
100	PI2 BPSK	1	271		14.80				
100	PI2 BPSK	135	0		14.68		16.5	0.0	
100	PI2 BPSK	135	69		14.63		16.5	0.0	
100	PI2 BPSK	135	138		14.62				
100	PI2 BPSK	270	0		14.55		16.5	0.0	
100	QPSK	1	1		14.81				
100	QPSK	1	137		14.55		16.5	0.0	
100	QPSK	1	271		14.73				
100	QPSK	135	0		14.60		16.5	0.0	
100	QPSK	135	69		14.77		16.5	0.0	
100	QPSK	135	138		14.61		16.5	0.0	
100	QPSK	270	0		14.56				
100	16QAM	1	1		14.51		16.5	0.0	
100	64QAM	1	1		14.65		16.5	0.0	
100	256QAM	1	1		14.60		16.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	14.75	14.74	14.71	16.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	14.76	14.71	14.72	16.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	14.68	14.65	14.66	16.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	14.70	14.72	14.75	16.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	14.68	14.68	14.69	16.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	14.68	14.69	14.66	16.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	14.70	14.67	14.65	16.5	0.0	
Channel				630834	633334	636034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	14.67	14.75	14.78	16.5	0.0	
Channel				630668	633334	636360	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	14.70	14.78	14.68	16.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	14.69	14.70	14.77	16.5	0.0	
Channel				630334	633334	636034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	14.76	14.68	14.67	16.5	0.0	

Part27O n78_Ant4 Hotspot NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		14.64			
100	PI2 BPSK	1	137		14.71		16.5	0.0
100	PI2 BPSK	1	271		14.84			
100	PI2 BPSK	135	0		14.72		16.5	0.0
100	PI2 BPSK	135	69		14.71		16.5	0.0
100	PI2 BPSK	135	138		14.72		16.5	0.0
100	PI2 BPSK	270	0		14.53		16.5	0.0
100	QPSK	1	1		14.51		16.5	0.0
100	QPSK	1	137		14.64		16.5	0.0
100	QPSK	1	271		14.75		16.5	0.0
100	QPSK	135	0		14.76		16.5	0.0
100	QPSK	135	69		14.63		16.5	0.0
100	QPSK	135	138		14.69		16.5	0.0
100	QPSK	270	0		14.81		16.5	0.0
100	16QAM	1	1		14.50		16.5	0.0
100	64QAM	1	1		14.77		16.5	0.0
100	256QAM	1	1		14.59		16.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123	14.67	14.83	14.76	16.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109	14.76	14.80	14.63	16.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95	14.72	14.75	14.71	16.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81	14.68	14.74	14.77	16.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67	14.71	14.77	14.66	16.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53	14.70	14.74	14.72	16.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39	14.76	14.79	14.76	16.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
25	QPSK	1	32	14.84	14.78	14.74	16.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26	14.76	14.66	14.79	16.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19	14.66	14.77	14.75	16.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12	14.82	14.82	14.71	16.5	0.0

Part27Q 78_Ant4 Hotspot NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		14.64		16.5	0.0
100	PI2 BPSK	1	137		14.49			
100	PI2 BPSK	1	271		14.72			
100	PI2 BPSK	135	0		14.69		16.5	0.0
100	PI2 BPSK	135	69		14.59		16.5	0.0
100	PI2 BPSK	135	138		14.53		16.5	0.0
100	PI2 BPSK	270	0		14.62		16.5	0.0
100	QPSK	1	1		14.86		16.5	0.0
100	QPSK	1	137		14.56		16.5	0.0
100	QPSK	1	271		14.66		16.5	0.0
100	QPSK	135	0		14.69		16.5	0.0
100	QPSK	135	69		14.75		16.5	0.0
100	QPSK	135	138		14.55		16.5	0.0
100	QPSK	270	0		14.47		16.5	0.0
100	16QAM	1	1		14.56		16.5	0.0
100	64QAM	1	1		14.55		16.5	0.0
100	256QAM	1	1		14.51		16.5	0.0
Channel				633000	633334	633668	Tune-up limit (dB)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	14.84	14.78	14.71	16.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	14.79	14.72	14.62	16.5	0.0
Channel				632334	633334	634334	Tune-up limit (dB)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	95	14.80	14.77	14.63	16.5	0.0
Channel				632000	633334	634668	Tune-up limit (dB)	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	14.69	14.69	14.60	16.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	14.83	14.69	14.76	16.5	0.0
Channel				631334	633334	635334	Tune-up limit (dB)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	14.81	14.84	14.67	16.5	0.0
Channel				631000	633334	635668	Tune-up limit (dB)	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	14.72	14.84	14.61	16.5	0.0
Channel				630668	633334	635934	Tune-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	32	14.77	14.67	14.62	16.5	0.0
Channel				630668	633334	636000	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	14.65	14.63	14.61	16.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	14.73	14.84	14.63	16.5	0.0
Channel				630334	633334	636334	Tune-up limit (dB)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	14.69	14.81	14.64	16.5	0.0



n41_FCC PC3 Ant5 Sensor on NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509000	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	P12 BPSK	1	1	15.45	15.51	15.42			
100	P12 BPSK	1	137	15.42	15.45	15.37			
100	P12 BPSK	1	271	15.38	15.40	15.43	17.0	0.0	
100	P12 BPSK	135	0	15.38	15.45	15.41	17.0	0.0	
100	P12 BPSK	135	69	15.40	15.44	15.42	17.0	0.0	
100	P12 BPSK	135	138	15.41	15.43	15.44			
100	P12 BPSK	270	0	15.28	15.50	15.46			
100	QPSK	1	1	15.52	15.54	15.47			
100	QPSK	1	137	15.38	15.51	15.38	17.0	0.0	
100	QPSK	1	271	15.41	15.45	15.46			
100	QPSK	135	0	15.41	15.44	15.43	16.0	1.0	
100	QPSK	135	69	15.45	15.40	15.44	17.0	0.0	
100	QPSK	135	138	15.43	15.48	15.39	16.0	1.0	
100	QPSK	270	0	15.35	15.45	15.43			
100	15QAM	1	1	15.35	15.44	15.37	17.0	0.0	
100	64QAM	1	1	15.46	15.52	15.35	17.0	0.0	
100	256QAM	1	1	15.38	15.51	15.40	17.0	0.0	
Channel				506000	518598	528996	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	15.39	15.47	15.37	17.0	0.0	
Channel				507000	518598	529998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	15.36	15.49	15.38	17.0	0.0	
Channel				506000	518598	531000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	QPSK	1	1	15.38	15.40	15.32	17.0	0.0	
Channel				506000	518598	531996	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	15.32	15.46	15.37	17.0	0.0	
Channel				506000	518598	532998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	15.38	15.44	15.37	17.0	0.0	
Channel				500200	518598	534000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.30	15.47	15.39	17.0	0.0	
Channel				502000	518598	534996	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	15.32	15.49	15.35	17.0	0.0	
Channel				501000	518598	535998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.34	15.49	15.42	17.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2682.48			
15	QPSK	1	1	15.38	15.48	15.43	17.0	0.0	
Channel				500600	518598	537000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	15.32	15.45	15.33	17.0	0.0	

n48 Ant5 Hotspot NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630000	641666	645332			
Frequency (MHz)				3670	3624.99	3679.98			
40	P12 BPSK	1	1	15.64	15.62	15.63			
40	P12 BPSK	1	53	15.39	15.32	15.29	17.0	0.0	
40	P12 BPSK	1	104	15.41	15.51	15.29			
40	P12 BPSK	50	0	15.29	15.31	15.18	17.0	0.0	
40	P12 BPSK	50	28	15.63	15.61	15.31	17.0	0.0	
40	P12 BPSK	50	56	15.31	15.12	15.17			
40	P12 BPSK	100	0	15.37	15.16	15.25	17.0	0.0	
40	QPSK	1	1	15.45	15.74	15.56			
40	QPSK	1	53	15.57	15.58	15.59	17.0	0.0	
40	QPSK	1	104	15.56	15.27	15.38			
40	QPSK	50	0	15.29	15.52	15.53	17.0	0.0	
40	QPSK	50	28	15.56	15.48	15.62	17.0	0.0	
40	QPSK	50	56	15.26	15.50	15.36	17.0	0.0	
40	QPSK	100	0	15.40	15.45	15.42			
40	15QAM	1	1	15.32	15.37	15.30	17.0	0.0	
40	64QAM	1	1	15.36	15.47	15.38	17.0	0.0	
40	256QAM	1	1	15.43	15.63	15.55	17.0	0.0	
Channel				637668	641666	645966	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3665.02	3624.99	3684.99			
30	QPSK	1	1	15.20	15.08	15.70	17.0	0.0	
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.01	3624.99	3686			
20	QPSK	1	1	15.10	15.15	15.68	17.0	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	3692.49			
15	QPSK	1	1	15.27	15.09	15.62	17.0	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3694.98			
10	QPSK	1	1	15.23	15.04	15.72	17.0	0.0	

Par270 n77 Ant5 Hotspot NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	14.33	14.37	14.34			
100	P12 BPSK	1	137	14.17	14.31	14.29			
100	P12 BPSK	1	271	14.11	14.32	14.17	16.0	0.0	
100	P12 BPSK	135	0	14.34	14.25	14.14	16.0	0.0	
100	P12 BPSK	135	69	14.27	14.39	14.43	16.0	0.0	
100	P12 BPSK	135	138	14.38	14.37	14.32			
100	P12 BPSK	270	0	14.26	14.43	14.40	16.0	0.0	
100	QPSK	1	1	14.41	14.55	14.45			
100	QPSK	1	137	14.38	14.39	14.45	16.0	0.0	
100	QPSK	1	271	14.12	14.25	14.22			
100	QPSK	135	0	14.49	14.52	14.50	16.0	0.0	
100	QPSK	135	69	14.53	14.56	14.38	16.0	0.0	
100	QPSK	135	138	14.41	14.50	14.45	16.0	0.0	
100	QPSK	270	0	14.30	14.51	14.41			
100	15QAM	1	1	14.37	14.40	14.29	16.0	0.0	
100	64QAM	1	1	14.27	14.54	14.40	16.0	0.0	
100	256QAM	1	1	14.25	14.15	14.11	16.0	0.0	
Channel				649668	650000	662534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	14.50	14.45	14.20	16.0	0.0	
Channel				649334	650000	662968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	14.30	14.41	14.44	16.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3944			
70	QPSK	1	1	14.41	14.40	14.46	16.0	0.0	
Channel				648668	650000	663534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	14.42	14.27	14.36	16.0	0.0	
Channel				648334	650000	663968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	14.42	14.43	14.30	16.0	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	

Part27Q n77 Ant5 Hotspot NSA PC2&3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			18.0	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		14.41			
100	PI2 BPSK	1	137		14.40			
100	PI2 BPSK	1	271		14.31			
100	PI2 BPSK	135	0		14.21		18.0	0.0
100	PI2 BPSK	135	69		14.44		18.0	0.0
100	PI2 BPSK	135	138		14.43		18.0	0.0
100	PI2 BPSK	270	0		14.40		18.0	0.0
100	QPSK	1	1		14.63			
100	QPSK	1	137		14.30		18.0	0.0
100	QPSK	1	271		14.15			
100	QPSK	135	0		14.42		18.0	0.0
100	QPSK	135	69		14.46		18.0	0.0
100	QPSK	135	138		14.43		18.0	0.0
100	QPSK	270	0		14.50		18.0	0.0
100	16QAM	1	1		14.38		18.0	0.0
100	64QAM	1	1		14.50		18.0	0.0
100	256QAM	1	1		14.24		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	14.32	14.49	14.34	18.0	0.0
Channel				632968	633334	633690	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	14.32	14.47	14.23	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	14.46	14.44	14.21	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	14.48	14.35	14.28	18.0	0.0
Channel				631968	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	14.38	14.30	14.28	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	14.41	14.32	14.17	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	14.39	14.44	14.20	18.0	0.0
Channel				630834	633334	635834	Tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	14.49	14.35	14.36	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	14.48	14.36	14.30	18.0	0.0
Channel				630600	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	14.35	14.48	14.33	18.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	14.38	14.27	14.34	18.0	0.0

Part27O n78_Ant5 Hotspot NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		14.52		16.0	0.0	
100	PI2 BPSK	1	137		14.33				
100	PI2 BPSK	1	271		14.40		16.0	0.0	
100	PI2 BPSK	135	0		14.15				
100	PI2 BPSK	135	69		14.51		16.0	0.0	
100	PI2 BPSK	135	138		14.48		16.0	0.0	
100	PI2 BPSK	270	0		14.40		16.0	0.0	
100	QPSK	1	1		14.54		16.0	0.0	
100	QPSK	1	137		14.24				
100	QPSK	1	271		14.19		16.0	0.0	
100	QPSK	135	0		14.32				
100	QPSK	135	69		14.51		16.0	0.0	
100	QPSK	135	138		14.47		16.0	0.0	
100	QPSK	270	0		14.60		16.0	0.0	
100	16QAM	1	1		14.33		16.0	0.0	
100	64QAM	1	1		14.51		16.0	0.0	
100	256QAM	1	1		14.31		16.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		14.35	14.30	14.33	16.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		14.33	14.52	14.24	16.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		14.37	14.44	14.33	16.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		14.25	14.57	14.34	16.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		14.23	14.55	14.36	16.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		14.41	14.42	14.28	16.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		14.82	14.52	14.28	16.0	0.0
Channel				647334	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
25	QPSK	1	1		14.43	14.58	14.43	16.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		14.39	14.52	14.37	16.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		14.30	14.40	14.24	16.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		14.40	14.44	14.29	16.0	0.0

Part27Q 78_Ant5 Hotspot NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				635597					
Frequency (MHz)				3503.35					
100	PI2 BPSK	1	1		14.32		16.0	0.0	
100	PI2 BPSK	1	137		14.36				
100	PI2 BPSK	1	271		14.34		16.0	0.0	
100	PI2 BPSK	135	0		13.82				
100	PI2 BPSK	135	69		14.34		16.0	0.0	
100	PI2 BPSK	135	138		13.82		16.0	0.0	
100	PI2 BPSK	270	0		13.91		16.0	0.0	
100	QPSK	1	1		14.47		16.0	0.0	
100	QPSK	1	137		14.11				
100	QPSK	1	271		14.36		16.0	0.0	
100	QPSK	135	0		14.08				
100	QPSK	135	69		14.10		16.0	0.0	
100	QPSK	135	138		14.02		16.0	0.0	
100	QPSK	270	0		14.26		16.0	0.0	
100	16QAM	1	1		14.14		16.0	0.0	
100	64QAM	1	1		14.04		16.0	0.0	
100	256QAM	1	1		14.11		16.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		14.22	14.31	14.27	16.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		14.29	14.16	14.42	16.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		14.17	14.20	14.38	16.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		14.19	14.18	14.25	16.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		14.16	14.24	14.40	16.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		14.33	14.33	14.40	16.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		14.13	14.15	14.37	16.0	0.0
Channel				630634	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)	
25	QPSK	1	1		14.25	14.29	14.41	16.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		14.21	14.18	14.40	16.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		14.21	14.20	14.39	16.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		14.26	14.20	14.38	16.0	0.0

n30 Ant6 Hotspot NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000			18.5	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1		17.63		18.5	0.0
10	PI/2 BPSK	1	26		17.49			
10	PI/2 BPSK	1	50		17.54			
10	PI/2 BPSK	25	0		17.48		18.5	0.0
10	PI/2 BPSK	25	14		17.64		18.5	0.0
10	PI/2 BPSK	25	27		17.45		18.5	0.0
10	PI/2 BPSK	50	0		17.55			
10	QPSK	1	1		17.69		18.5	0.0
10	QPSK	1	26		17.55			
10	QPSK	1	50		17.59			
10	QPSK	25	0		17.49		18.5	0.0
10	QPSK	25	14		17.65		18.5	0.0
10	QPSK	25	27		17.50		18.5	0.0
10	QPSK	50	0		17.55			
10	16QAM	1	1		17.58		18.5	0.0
10	64QAM	1	1		17.53		18.5	0.0
10	256QAM	1	1		17.51		18.5	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	17.54	17.62	17.56	18.5	0.0

n41 PC2&3 Ant6 Hotspot NSA&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	18.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.16	17.05	17.27		
100	PI/2 BPSK	1	137	17.36	17.11	17.29		
100	PI/2 BPSK	1	271	17.18	17.21	17.30	18.0	0.0
100	PI/2 BPSK	135	0	17.20	17.28	17.13		
100	PI/2 BPSK	135	69	17.35	17.21	17.12		
100	PI/2 BPSK	135	138	17.16	17.10	17.23		
100	PI/2 BPSK	270	0	17.15	17.27	17.28	18.0	0.0
100	QPSK	1	1	17.38	17.40	17.32		
100	QPSK	1	137	17.21	17.24	17.25		
100	QPSK	1	271	17.12	17.30	17.21		
100	QPSK	135	0	17.18	17.32	17.69	18.0	0.0
100	QPSK	135	69	17.27	17.34	17.18	18.0	0.0
100	QPSK	135	138	17.21	17.16	17.19	18.0	0.0
100	QPSK	270	0	17.10	17.19	17.11	18.0	0.0
100	16QAM	1	1	17.20	17.16	17.23	18.0	0.0
100	64QAM	1	1	17.13	17.22	17.20	18.0	0.0
100	256QAM	1	1	17.24	17.14	17.23	18.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	17.25	17.32	17.17	18.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	17.25	17.27	17.22	18.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	17.30	17.31	17.22	18.0	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	17.33	17.36	17.25	18.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	17.29	17.25	17.23	18.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	17.32	17.25	17.17	18.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.99	(dBm)	(dB)
30	QPSK	1	1	17.33	17.24	17.18	18.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	17.26	17.30	17.25	18.0	0.0
Channel				500100	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	17.32	17.28	17.19	18.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	17.30	17.34	17.28	18.0	0.0

n7 Ant8 Hotspot NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	17.32	17.25	17.43	18.5	0.0
50	PI/2 BPSK	1	135	17.39	17.33	17.45		
50	PI/2 BPSK	1	268	17.34	17.40	17.48		
50	PI/2 BPSK	135	0	17.44	17.44	17.37		
50	PI/2 BPSK	135	68	17.50	17.47	17.27	18.5	0.0
50	PI/2 BPSK	135	135	17.34	17.30	17.43	18.5	0.0
50	PI/2 BPSK	270	0	17.34	17.48	17.35		
50	QPSK	1	1	17.47	17.53	17.50	18.5	0.0
50	QPSK	1	135	17.46	17.48	17.42		
50	QPSK	1	268	17.51	17.51	17.41		
50	QPSK	135	0	17.37	17.39	17.32		
50	QPSK	135	68	17.45	17.48	17.30	18.5	0.0
50	QPSK	135	135	17.42	17.41	17.35	18.5	0.0
50	QPSK	270	0	17.27	17.43	17.39	18.5	0.0
50	16QAM	1	1	17.39	17.38	17.37		
50	64QAM	1	1	17.32	17.40	17.44	18.5	0.0
50	256QAM	1	1	17.44	17.30	17.46	18.5	0.0
Channel				504000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)
40	QPSK	1	1	17.32	17.48	17.40	18.5	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	17.37	17.44	17.43	18.5	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	17.38	17.39	17.43	18.5	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	17.41	17.38	17.43	18.5	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	17.37	17.43	17.39	18.5	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	17.34	17.48	17.41	18.5	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	17.34	17.40	17.39	18.5	0.0



n41_FCC PC2&3 Ant8 Hotspot NSA									
BW [MHz]	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)				2546.01	2552.99	2640			
100	Pi2 BPSK	1	1	16.37	16.62	16.62	17.8	0.0	0.0
100	Pi2 BPSK	1	137	16.70	16.43	16.67			
100	Pi2 BPSK	1	271	16.61	16.43	16.50			
100	Pi2 BPSK	136	0	16.42	16.60	16.38	17.8	0.0	0.0
100	Pi2 BPSK	136	69	16.70	16.61	16.56	17.8	0.0	0.0
100	Pi2 BPSK	136	136	16.46	16.61	16.55	17.8	0.0	0.0
100	Pi2 BPSK	270	0	16.39	16.69	16.53	17.8	0.0	0.0
100	QPSK	1	1	16.96	16.72	16.56	17.8	0.0	0.0
100	QPSK	1	137	16.84	16.71	16.63			
100	QPSK	1	271	16.44	16.64	16.60			
100	QPSK	136	0	16.49	16.59	16.55	17.8	0.0	0.0
100	QPSK	136	69	16.51	16.66	16.56	17.8	0.0	0.0
100	QPSK	136	136	16.46	16.57	16.61	17.8	0.0	0.0
100	QPSK	270	0	16.45	16.51	16.41	17.8	0.0	0.0
100	16QAM	1	1	16.51	16.35	16.44	17.8	0.0	0.0
100	64QAM	1	1	16.55	16.62	16.52	17.8	0.0	0.0
100	256QAM	1	1	16.51	16.38	14.44	17.8	0.0	0.0
Channel									
Frequency (MHz)				508200	518968	526966	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	16.51	16.59	16.57	17.8	0.0	0.0
Channel									
Frequency (MHz)				507204	518968	526966	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	16.39	16.63	16.53	17.8	0.0	0.0
Channel									
Frequency (MHz)				2531.01	2552.99	2655	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	16.59	16.61	16.47	17.8	0.0	0.0
Channel									
Frequency (MHz)				505204	518968	532966	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	16.50	16.62	16.53	17.8	0.0	0.0
Channel									
Frequency (MHz)				503202	518968	534000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	16.51	16.63	16.54	17.8	0.0	0.0
Channel									
Frequency (MHz)				502200	518968	534966	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.57	16.57	16.47	17.8	0.0	0.0
Channel									
Frequency (MHz)				2506.02	2552.99	2679.99	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	16.54	16.58	16.57	17.8	0.0	0.0
Channel									
Frequency (MHz)				500700	518968	536466	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.50	16.60	16.54	17.8	0.0	0.0
Channel									
Frequency (MHz)				500202	518968	537000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.58	16.64	16.49	17.8	0.0	0.0

n48 Ant8 Hotspot NSA									
BW [MHz]	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)				3570	3624	3679	645332		
40	Pi2 BPSK	1	1	11.28	11.33	11.29	13.0	0.0	
40	Pi2 BPSK	1	53	11.53	11.43	11.51			
40	Pi2 BPSK	1	104	11.37	11.42	11.16			
40	Pi2 BPSK	50	0	11.42	11.41	11.34	13.0	0.0	
40	Pi2 BPSK	50	28	11.37	11.44	11.31	13.0	0.0	
40	Pi2 BPSK	50	56	11.22	11.39	11.23	13.0	0.0	
40	Pi2 BPSK	100	0	11.33	11.55	11.53	13.0	0.0	
40	QPSK	1	1	11.48	11.59	11.42			
40	QPSK	1	53	11.47	11.47	11.50			
40	QPSK	1	104	11.34	11.52	11.34	13.0	0.0	
40	QPSK	50	0	11.22	11.35	11.38			
40	QPSK	50	26	11.43	11.42	11.26			
40	QPSK	50	56	11.36	11.26	11.43	13.0	0.0	
40	QPSK	100	0	11.19	11.20	11.17	13.0	0.0	
40	16QAM	1	1	11.40	11.25	11.35	13.0	0.0	
40	64QAM	1	1	11.19	11.29	11.29	13.0	0.0	
40	256QAM	1	1	11.10	11.23	11.26	13.0	0.0	
Channel									
Frequency (MHz)				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	11.36	11.40	11.33	13.0	0.0	
Channel									
Frequency (MHz)				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	11.37	11.51	11.36	13.0	0.0	
Channel									
Frequency (MHz)				637166	641666	646166	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	11.35	11.42	11.25	13.0	0.0	
Channel									
Frequency (MHz)				3557.52	3624.99	3692.49	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	11.39	11.43	11.29	13.0	0.0	

Par27O n77 Ant8 Hotspot NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000	656000	662000			
100	Pi2 BPSK	1	1	6.16	6.23	6.14	7.0	0.0	
100	Pi2 BPSK	1	137	6.25	6.27	6.26			
100	Pi2 BPSK	1	271	6.24	6.16	6.28			
100	Pi2 BPSK	136	0	6.19	6.37	6.05	7.0	0.0	
100	Pi2 BPSK	136	69	6.26	6.11	6.15	7.0	0.0	
100	Pi2 BPSK	136	136	6.17	6.24	6.02	7.0	0.0	
100	Pi2 BPSK	270	0	6.19	6.40	6.21	7.0	0.0	
100	QPSK	1	1	6.42	6.43	6.28			
100	QPSK	1	137	6.34	6.22	6.23			
100	QPSK	1	271	6.01	6.33	6.08	7.0	0.0	
100	QPSK	136	0	6.39	6.32	5.96			
100	QPSK	136	69	6.14	6.40	6.11			
100	QPSK	136	136	6.25	6.13	6.05	7.0	0.0	
100	QPSK	270	0	6.16	6.31	6.07	7.0	0.0	
100	16QAM	1	1	6.05	6.03	6.20	7.0	0.0	
100	64QAM	1	1	6.05	6.33	6.25	7.0	0.0	
100	256QAM	1	1	6.24	6.04	6.27	7.0	0.0	
Channel				646666	656000	662334	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	6.26	6.23	6.06	7.0	0.0	
Channel									
Frequency (MHz)				646334	656000	662666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	6.20	6.17	6.03	7.0	0.0	
Channel									
Frequency (MHz)				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	6.21	6.33	6.02	7.0	0.0	
Channel									
Frequency (MHz)				645666	656000	663334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	6.18	6.32	6.16	7.0	0.0	
Channel									
Frequency (MHz)				645334	656000	663666	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	6.26	6.18	6.02	7.0	0.0	
Channel									
Frequency (MHz)				645000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	6.21	6.23	6.07	7.0	0.0	
Channel									
Frequency (MHz)				644666	656000	664334	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	6.14	6.26	6.19	7.0	0.0	
Channel									
Frequency (MHz)				645000	656000	664500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	6.32	6.34	6.17	7.0	0.0	
Channel									
Frequency (MHz)				644250	656000	664666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	6.18	6.31	6.13	7.0	0.0	
Channel									
Frequency (MHz)				644000	656000	664834	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	6.24	6.13	5.99	7.0	0.0	
Channel									
Frequency (MHz)				644000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	6.20	6.14	6.09	7.0	0.0	



Part272Q n77 Ant8 Hotspot NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1		6.26				
100	PQ2 BPSK	1	137		6.01		7.0	0.0	
100	PQ2 BPSK	1	271		6.23				
100	PQ2 BPSK	135	0		6.03		7.0	0.0	
100	PQ2 BPSK	135	69		6.02		7.0	0.0	
100	PQ2 BPSK	135	138		6.30		7.0	0.0	
100	PQ2 BPSK	270	0		6.23				
100	QPSK	1	1		6.38				
100	QPSK	1	137		6.26		7.0	0.0	
100	QPSK	1	271		6.32				
100	QPSK	135	0		6.07		7.0	0.0	
100	QPSK	135	69		6.18		7.0	0.0	
100	QPSK	135	138		5.95				
100	QPSK	270	0		6.04		7.0	0.0	
100	16QAM	1	1		6.06		7.0	0.0	
100	64QAM	1	1		6.28		7.0	0.0	
100	256QAM	1	1		6.09		7.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR	
				3485.02	3500.01	3505.02	(dBm)	(dB)	
				6.14	6.14	5.98	7.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR	
				3480.02	3500.01	3510	(dBm)	(dB)	
				6.01	6.00	5.99	7.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	630500	633334	634000	Tune-up limit (dBm)	MPR	
				3480.02	3500.01	3510	(dBm)	(dB)	
				6.01	6.18	5.87	7.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	630000	633334	634000	Tune-up limit (dBm)	MPR	
				3480.02	3500.01	3520.02	(dBm)	(dB)	
				6.15	6.04	6.01	7.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR	
				3485.02	3500.01	3505	(dBm)	(dB)	
				6.13	6.21	5.96	7.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631934	633334	635334	Tune-up limit (dBm)	MPR	
				3470.01	3500.01	3530.01	(dBm)	(dB)	
				6.05	6.04	6.03	7.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR	
				3465	3500.01	3535.02	(dBm)	(dB)	
				6.16	6.00	5.95	7.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	630334	633334	636000	Tune-up limit (dBm)	MPR	
				3462.51	3500.01	3537.51	(dBm)	(dB)	
				6.02	6.01	5.89	7.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630000	633334	636000	Tune-up limit (dBm)	MPR	
				3460.02	3500.01	3540	(dBm)	(dB)	
				6.04	6.04	5.97	7.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	630000	633334	636168	Tune-up limit (dBm)	MPR	
				3457.5	3500.01	3542.52	(dBm)	(dB)	
				6.07	6.11	5.94	7.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR	
				3455.01	3500.01	3545.01	(dBm)	(dB)	
				6.16	6.05	6.00	7.0	0.0	

Part270 n78_ Ant8 Hotspot NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	PQ2 BPSK	1	1		6.18				
100	PQ2 BPSK	1	137		6.23		7.0	0.0	
100	PQ2 BPSK	1	271		6.18		7.0	0.0	
100	PQ2 BPSK	135	0		6.16		7.0	0.0	
100	PQ2 BPSK	135	69		6.08		7.0	0.0	
100	PQ2 BPSK	135	138		6.35		7.0	0.0	
100	PQ2 BPSK	270	0		6.24		7.0	0.0	
100	QPSK	1	1		6.45		7.0	0.0	
100	QPSK	1	137		6.37				
100	QPSK	1	271		6.15		7.0	0.0	
100	QPSK	135	0		6.21		7.0	0.0	
100	QPSK	135	69		6.41		7.0	0.0	
100	QPSK	135	138		6.03		7.0	0.0	
100	QPSK	270	0		6.23		7.0	0.0	
100	16QAM	1	1		6.01		7.0	0.0	
100	64QAM	1	1		6.21		7.0	0.0	
100	256QAM	1	1		6.09		7.0	0.0	
Channel									
Frequency (MHz)				646668	650000	650334	Tune-up limit (dBm)	MPR	
90	QPSK	1	123	3745.02	3750	3755.01	(dBm)	(dB)	
				6.10	6.13	6.03	7.0	0.0	
Channel									
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR	
80	QPSK	1	109	649334	650000	650668	(dBm)	(dB)	
				6.07	6.04	5.85	7.0	0.0	
Channel									
Frequency (MHz)				646999	650000	651334	Tune-up limit (dBm)	MPR	
70	QPSK	1	95	3735	3750	3765	(dBm)	(dB)	
				6.03	6.02	5.90	7.0	0.0	
Channel									
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR	
60	QPSK	1	81	646999	650000	651668	(dBm)	(dB)	
				6.12	5.91	5.89	7.0	0.0	
Channel									
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR	
50	QPSK	1	67	3725	3750	3775	(dBm)	(dB)	
				6.08	5.90	5.90	7.0	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR	
40	QPSK	1	53	3720	3750	3780	(dBm)	(dB)	
				6.11	6.00	5.89	7.0	0.0	
Channel									
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MPR	
30	QPSK	1	39	3715.02	3750	3785.01	(dBm)	(dB)	
				6.08	5.98	5.97	7.0	0.0	
Channel									
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR	
25	QPSK	1	32	3710.01	3750	3790.02	(dBm)	(dB)	
				6.03	5.99	6.04	7.0	0.0	
Channel									
Frequency (MHz)				647000	650000	652834	Tune-up limit (dBm)	MPR	
20	QPSK	1	26	3707.52	3750	3792.51	(dBm)	(dB)	
				6.12	5.95	6.05	7.0	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR	
15	QPSK	1	19	3705	3750	3795	(dBm)	(dB)	
				6.12	5.94	6.01	7.0	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR	
10	QPSK	1	12	6707	5500	6101	7.0	0.0	

Part272Q 78_ Ant8 Hotspot NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1		3603.35				
100	PQ2 BPSK	1	1		6.18				
100	PQ2 BPSK	1	1		5.96		7.0	0.0	
100	PQ2 BPSK	1	271		6.18				
100	PQ2 BPSK	1	271		6.11				
100	PQ2 BPSK	1	271		6.11		7.0	0.0	
100	PQ2 BPSK	1	271		6.40		7.0	0.0	
100	PQ2 BPSK	270	0		6.28		7.0	0.0	
100	QPSK	1	1		6.14		7.0	0.0	
100	QPSK	1	1		6.14				
100	QPSK	1	271		6.03		7.0	0.0	
100	QPSK	1	271		6.03				
100	QPSK	1	271		6.24		7.0	0.0	
100	QPSK	1	271		6.01		7.0	0.0	
100	QPSK	270	0		6.14		7.0	0.0	
100	16QAM	1	1		6.14		7.0	0.0	
100	16QAM	1	1		6.21		7.0	0.0	
100	256QAM	1	1		6.14		7.0	0.0	
100	256QAM	1	1		6.14		7.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	633000	633534	633668	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	2400	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	123	6.06	6.14	5.99	7.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	633668	633534	633668	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	6.08	6.03	6.03	7.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	633334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	6.14	5.91	5.96	7.0	0.0	
70	QPSK	1	1	633200	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	3490	3500.01	3502.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	81	6.21	6.07	5.95	7.0	0.0
60	QPSK	1	1	633668	633534	633668	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3475.05	3500.01	3505.05	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	6.14	6.02	6.05	7.0	0.0	
60	QPSK	1	1	633334	633334	633534	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3480.01	3500.01	3505.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	53	6.22	5.96	5.95	7.0	0.0
40	QPSK	1	1	633000	633534	633668	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	2400	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	39	6.06	6.08	5.99	7.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	633668	633534	633668	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3492.01	3500.01	3537.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	6.14	6.02	6.02	7.0	0.0	
30	QPSK	1	1	633668	633534	633668	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3490.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	26	6.18	6.09	5.87	7.0	0.0
30	QPSK	1	1	633668	633534	633668	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3495.05	3500.01	3542.05	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19	6.20	5.94	5.87	7.0	0.0
15	QPSK	1	1	633334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3495.05	3500.01	3543.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	12	6.22	6.06	5.99	7.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				376000	376000	376000		
Frequency (MHz)				1870	1880	1890		
40	PQ2 BPSK	1	1	15.45	15.41	15.55		
40	PQ2 BPSK	1	108	15.51	15.52	15.44	16.5	0.0
40	PQ2 BPSK	1	214	15.68	15.71	15.40	16.5	0.0
40	PQ2 BPSK	108	0	15.59	15.48	15.53	16.5	0.0
40	PQ2 BPSK	108	54	15.61	15.64	15.60	16.5	0.0
40	PQ2 BPSK	108	108	15.55	15.56	15.57	16.5	0.0
40	PQ2 BPSK	216	0	15.59	15.61	15.62	16.5	0.0
40	QPSK	1	1	15.74	15.76	15.64		
40	QPSK	1	108	15.69	15.73	15.51	16.5	0.0
40	QPSK	1	214	15.61	15.69	15.74		
40	QPSK	108	0	15.72	15.68	15.65	16.5	0.0
40	QPSK	108	54	15.60	15.76	15.63	16.5	0.0
40	QPSK	108	108	15.50	15.63	15.42	16.5	0.0
40	QPSK	216	0	15.43	15.69	15.46		
40	16QAM	1	1	15.52	15.58	15.53	16.5	0.0
40	64QAM	1	1	15.40	15.66	15.48	16.5	0.0
40	256QAM	1	1	15.59	15.48	15.49	16.5	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	15.58	15.65	15.60	16.5	0.0
Channel				372500	372500	372500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1892.5	1880	1897.5		
25	QPSK	1	1	15.54	15.64	15.50	16.5	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1869	1892.5	1905		
20	QPSK	1	1	15.63	15.77	15.57	16.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	15.68	15.59	15.60	16.5	0.0
Channel				371000	372000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	15.54	15.75	15.47	16.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1897.5		
5	QPSK	1	1	15.49	15.68	15.60	16.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1896		
40	PQ2 BPSK	1	1	15.54	15.48	15.62		
40	PQ2 BPSK	1	108	15.69	15.58	15.58	16.5	0.0
40	PQ2 BPSK	1	214	15.77	15.62	15.52	16.5	0.0
40	PQ2 BPSK	108	0	15.72	15.55	15.68	16.5	0.0
40	PQ2 BPSK	108	54	15.73	15.78	15.69	16.5	0.0
40	PQ2 BPSK	108	108	15.61	15.71	15.72	16.5	0.0
40	PQ2 BPSK	216	0	15.68	15.72	15.73	16.5	0.0
40	QPSK	1	1	15.87	15.82	15.75		
40	QPSK	1	108	15.82	15.81	15.84	16.5	0.0
40	QPSK	1	214	15.73	15.78	15.88		
40	QPSK	108	0	15.87	15.74	15.78	16.5	0.0
40	QPSK	108	54	15.69	15.88	15.89	16.5	0.0
40	QPSK	108	108	15.64	15.76	15.53	16.5	0.0
40	QPSK	216	0	15.48	15.80	15.60		
40	16QAM	1	1	15.60	15.73	15.62	16.5	0.0
40	64QAM	1	1	15.50	15.76	15.64	16.5	0.0
40	256QAM	1	1	15.69	15.62	15.58	16.5	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	15.80	15.79	15.66	16.5	0.0
Channel				372500	372500	372500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1892.5	1882.5	1902.5		
25	QPSK	1	1	15.73	15.87	15.64	16.5	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1868	1892.5	1902		
20	QPSK	1	1	15.74	15.76	15.57	16.5	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1907.5		
15	QPSK	1	1	15.74	15.85	15.66	16.5	0.0
Channel				371000	372500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	15.74	15.86	15.61	16.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1892.5	1912.5		
5	QPSK	1	1	15.83	15.81	15.62	16.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PQ2 BPSK	1	1	19.38	19.25	19.41		
40	PQ2 BPSK	1	108	19.36	19.41	19.28	20.0	0.0
40	PQ2 BPSK	1	214	19.62	19.65	19.36	20.0	0.0
40	PQ2 BPSK	108	0	19.45	19.34	19.39	20.0	0.0
40	PQ2 BPSK	108	54	19.55	19.57	19.46	20.0	0.0
40	PQ2 BPSK	108	108	19.51	19.41	19.51	20.0	0.0
40	PQ2 BPSK	216	0	19.54	19.51	19.53	20.0	0.0
40	QPSK	1	1	19.81	19.70	19.50		
40	QPSK	1	108	19.59	19.69	19.38	20.0	0.0
40	QPSK	1	214	19.46	19.59	19.62		
40	QPSK	108	0	19.58	19.53	19.59	20.0	0.0
40	QPSK	108	54	19.48	19.66	19.55	20.0	0.0
40	QPSK	108	108	19.44	19.50	19.37	20.0	0.0
40	QPSK	216	0	19.27	19.57	19.33		
40	16QAM	1	1	19.45	19.51	19.49	20.0	0.0
40	64QAM	1	1	19.27	19.61	19.37	20.0	0.0
40	256QAM	1	1	19.48	19.34	19.38	20.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PQ2 BPSK	1	1	19.62	19.62	19.37	20.0	0.0
Channel				344000	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	PQ2 BPSK	1	1	19.49	19.54	19.37	20.0	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	256QAM	1	1	19.46	19.59	19.43	20.0	0.0
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.46	19.57	19.36	20.0	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.48	19.66	19.42	20.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.48	19.56	19.45	20.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				340000			21.0	0.0
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1		20.19		21.0	0.0
15	PI2 BPSK	1	40		20.27			
15	PI2 BPSK	1	77		20.53			
15	PI2 BPSK	36	0		20.29		21.0	0.0
15	PI2 BPSK	36	22		20.49		21.0	0.0
15	PI2 BPSK	36	43		20.37		21.0	0.0
15	PI2 BPSK	75	0		20.44			
15	QPSK	1	1		20.82		21.0	0.0
15	QPSK	1	40		20.59			
15	QPSK	1	77		20.45			
15	QPSK	36	0		20.45		21.0	0.0
15	QPSK	36	22		20.56		21.0	0.0
15	QPSK	36	43		20.38		21.0	0.0
15	QPSK	75	0		20.41			
15	16QAM	1	1		20.38		21.0	0.0
15	64QAM	1	1		20.47		21.0	0.0
15	256QAM	1	1		20.22		21.0	0.0
Channel				340000	340500	341000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	20.47	20.55	20.52	21.0	0.0
Channel				339500	339900	340300	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	20.48	20.58	20.50	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI2 BPSK	1	1	15.79	15.71	15.84		
40	PI2 BPSK	1	108	15.84	15.87	15.73	17.0	0.0
40	PI2 BPSK	1	214	16.03	15.97	15.87	17.0	0.0
40	PI2 BPSK	108	0	15.86	15.77	15.83	17.0	0.0
40	PI2 BPSK	108	54	15.90	15.97	15.91	17.0	0.0
40	PI2 BPSK	108	108	15.88	15.86	15.92	17.0	0.0
40	PI2 BPSK	216	0	15.91	15.86	15.96	17.0	0.0
40	QPSK	1	1	16.03	16.12	15.99		
40	QPSK	1	108	15.94	16.03	15.87	17.0	0.0
40	QPSK	1	214	15.92	15.94	16.10		
40	QPSK	108	0	16.05	16.03	16.01	17.0	0.0
40	QPSK	108	54	15.91	16.00	15.97	17.0	0.0
40	QPSK	108	108	15.80	15.83	15.72	17.0	0.0
40	QPSK	216	0	15.76	15.96	15.80		
40	16QAM	1	1	15.87	15.90	15.83	17.0	0.0
40	64QAM	1	1	15.87	16.01	15.78	17.0	0.0
40	256QAM	1	1	15.90	15.73	15.72	17.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	15.90	15.88	15.94	17.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	15.97	15.96	15.93	17.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	15.89	16.01	15.84	17.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	15.92	15.97	15.84	17.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	16.01	16.06	15.90	17.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1897.5		
5	QPSK	1	1	15.89	15.94	15.95	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1896		
40	PI2 BPSK	1	1	15.88	15.81	15.99		
40	PI2 BPSK	1	108	15.98	15.94	15.88	17.0	0.0
40	PI2 BPSK	1	214	16.10	16.07	15.83	17.0	0.0
40	PI2 BPSK	108	0	16.00	15.84	15.97	17.0	0.0
40	PI2 BPSK	108	54	16.05	16.01	15.99	17.0	0.0
40	PI2 BPSK	108	108	16.04	15.91	15.99	17.0	0.0
40	PI2 BPSK	216	0	16.05	16.04	16.06	17.0	0.0
40	QPSK	1	1	16.13	16.22	16.10		
40	QPSK	1	108	16.05	16.15	15.82	17.0	0.0
40	QPSK	1	214	15.96	15.98	16.17		
40	QPSK	108	0	16.15	16.14	16.08	17.0	0.0
40	QPSK	108	54	16.01	16.16	16.10	17.0	0.0
40	QPSK	108	108	15.90	15.93	15.88	17.0	0.0
40	QPSK	216	0	15.87	16.01	15.87		
40	16QAM	1	1	16.02	16.03	15.97	17.0	0.0
40	64QAM	1	1	15.73	16.10	15.92	17.0	0.0
40	256QAM	1	1	16.05	15.82	15.83	17.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	16.06	16.14	15.95	17.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	16.07	16.18	15.99	17.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	16.03	16.13	15.97	17.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	15.98	16.11	15.96	17.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	16.01	16.08	15.97	17.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	16.02	16.17	16.00	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	16.71	16.57	16.74		
40	PI2 BPSK	1	108	16.74	16.69	16.65	18.0	0.0
40	PI2 BPSK	1	214	16.85	16.86	16.64	18.0	0.0
40	PI2 BPSK	108	0	16.83	16.69	16.77	18.0	0.0
40	PI2 BPSK	108	54	16.85	16.86	16.79	18.0	0.0
40	PI2 BPSK	108	108	16.79	16.72	16.83	18.0	0.0
40	PI2 BPSK	216	0	16.82	16.81	16.90	18.0	0.0
40	QPSK	1	1	16.91	17.06	16.86		
40	QPSK	1	108	16.82	16.98	16.74	18.0	0.0
40	QPSK	1	214	16.79	16.77	17.01		
40	QPSK	108	0	16.90	16.95	16.90	18.0	0.0
40	QPSK	108	54	16.79	16.97	16.90	18.0	0.0
40	QPSK	108	108	16.66	16.77	16.67	18.0	0.0
40	QPSK	216	0	16.61	16.85	16.71		
40	16QAM	1	1	16.86	16.82	16.77	18.0	0.0
40	64QAM	1	1	16.51	16.85	16.76	18.0	0.0
40	256QAM	1	1	16.90	16.66	16.65	18.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	16.79	16.91	16.72	18.0	0.0
Channel				344000	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	PI2 BPSK	1	1	16.76	16.93	16.77	18.0	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	256QAM	1	1	16.77	16.98	16.80	18.0	0.0
Channel				342000	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.83	16.90	16.72	18.0	0.0
Channel				341000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.84	16.92	16.71	18.0	0.0
Channel				340000	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.83	17.00	16.70	18.0	0.0

n70 Ant1 Handheld NSA							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				340000			19.0
Frequency (MHz)				1702.5			
15	PI2 BPSK	1	1		17.89		0.0
15	PI2 BPSK	1	40		18.00		
15	PI2 BPSK	1	77		18.19		
15	PI2 BPSK	36	0		18.05		0.0
15	PI2 BPSK	36	22		18.13		0.0
15	PI2 BPSK	36	43		18.02		0.0
15	PI2 BPSK	75	0		18.08		
15	QPSK	1	1		18.32		0.0
15	QPSK	1	40		18.30		
15	QPSK	1	77		18.08		
15	QPSK	36	0		18.24		0.0
15	QPSK	36	22		18.30		0.0
15	QPSK	36	43		18.11		0.0
15	QPSK	75	0		18.20		
15	16QAM	1	1		18.12		0.0
15	64QAM	1	1		18.11		0.0
15	256QAM	1	1		17.98		0.0
Channel				340000	340500	341000	19.0
Frequency (MHz)				1700	1702.5	1705	
10	QPSK	1	1	17.59	17.57	17.61	0.0
Channel				339500	339500	341500	19.0
Frequency (MHz)				1697.5	1702.5	1707.5	
5	QPSK	1	1	17.66	17.69	17.67	0.0



n48 Ant3 Handheld NSA									
BW [MHz]	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)				3370	3624.99	3679.98			
40	PI2 BPSK	1	1	17.14	17.14	17.23			
40	PI2 BPSK	1	50	17.30	17.22	17.23	18.5	0.0	
40	PI2 BPSK	1	104	17.45	17.34	17.11			
40	PI2 BPSK	50	0	17.34	17.20	17.31	18.5	0.0	
40	PI2 BPSK	50	28	17.41	17.27	17.23	18.5	0.0	
40	PI2 BPSK	50	58	17.38	17.24	17.31	18.5	0.0	
40	PI2 BPSK	100	0	17.37	17.33	17.36			
40	QPSK	1	1	17.48	17.50	17.43			
40	QPSK	1	53	17.36	17.46	17.25	18.5	0.0	
40	QPSK	1	104	17.28	17.30	17.42			
40	QPSK	50	0	17.46	17.48	17.34	18.5	0.0	
40	QPSK	50	28	17.35	17.40	17.44	18.5	0.0	
40	QPSK	50	58	17.15	17.26	17.22	18.5	0.0	
40	QPSK	100	0	17.19	17.26	17.16			
40	15QAM	1	1	17.36	17.29	17.23	18.5	0.0	
40	64QAM	1	1	17.08	17.41	17.16	18.5	0.0	
40	256QAM	1	1	17.29	17.07	17.13	18.5	0.0	
Channel				637668	641666	645666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3565.02	3624.99	3694.99			
30	QPSK	1	1	17.41	17.51	17.57	18.5	0.0	
Channel									
Frequency (MHz)				637334	641666	646000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3560.01	3624.99	3690			
20	QPSK	1	1	17.37	17.43	17.32	18.5	0.0	
Channel				637168	641666	646166	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3557.57	3624.99	3692.69			
15	QPSK	1	1	17.47	17.48	17.44	18.5	0.0	
Channel				637000	641666	646332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	17.44	17.49	17.36	18.5	0.0	

Part270 n77_Ant3 Handheld NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				650000	650000	662000			
				3750	3840	3930			
100	PI2 BPSK	1	1	18.16	18.13	18.34			
100	PI2 BPSK	1	137	18.22	18.20	18.20	20.0	0.0	
100	PI2 BPSK	1	271	18.38	18.38	18.16			
100	PI2 BPSK	135	0	18.26	18.09	18.19	20.0	0.0	
100	PI2 BPSK	135	69	18.39	18.22	18.27	20.0	0.0	
100	PI2 BPSK	135	138	18.42	18.19	18.29	20.0	0.0	
100	PI2 BPSK	270	0	18.34	18.33	18.40	20.0	0.0	
100	QPSK	1	1	18.54	18.56	18.36			
100	QPSK	1	137	18.32	18.43	18.27	20.0	0.0	
100	QPSK	1	271	18.23	18.28	18.49			
100	QPSK	135	0	18.39	18.39	18.41	20.0	0.0	
100	QPSK	135	69	18.34	18.47	18.36	20.0	0.0	
100	QPSK	135	138	18.15	18.27	18.26	20.0	0.0	
100	QPSK	270	0	18.16	18.34	18.14			
100	16QAM	1	1	18.34	18.36	18.35	20.0	0.0	
100	64QAM	1	1	18.06	18.48	18.24	20.0	0.0	
100	256QAM	1	1	17.83	17.72	17.60	19.5	0.5	
Channel				648668	650000	662334	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.32	18.46	18.24	20.0	0.0	
Channel				637334	641666	646000	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.36	18.33	18.18	20.0	0.0	
Channel				648000	650000	663000	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.35	18.31	18.22	20.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.34	18.34	18.12	20.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.43	18.37	18.14	20.0	0.0	
Channel				648000	650000	664000	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3720.00	3840	3960.00			
40	QPSK	1	1	18.42	18.40	18.26	20.0	0.0	
Channel				648668	650000	662334	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3745.02	3840	3935.01			
30	QPSK	1	1	18.29	18.40	18.17	20.0	0.0	
Channel				647500	650000	664500	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3712.50	3840	3967.50			
25	QPSK	1	1	18.35	18.42	18.19	20.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.40	18.34	18.18	20.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.30	18.40	18.23	20.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3705.00	3840	3975.00			
10	QPSK	1	1	18.33	18.33	18.22	20.0	0.0	

Part270Q n77_Ant3 Handheld NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		18.29				
100	PI2 BPSK	1	137		18.41		20.0	0.0	
100	PI2 BPSK	1	271		18.61				
100	PI2 BPSK	135	0		18.32		20.0	0.0	
100	PI2 BPSK	135	69		18.47		20.0	0.0	
100	PI2 BPSK	135	138		18.47		20.0	0.0	
100	PI2 BPSK	270	0		18.53				
100	QPSK	1	1		18.74				
100	QPSK	1	137		18.67		20.0	0.0	
100	QPSK	1	271		18.49				
100	QPSK	135	0		18.60		20.0	0.0	
100	QPSK	135	69		18.71		20.0	0.0	
100	QPSK	135	138		18.45		20.0	0.0	
100	QPSK	270	0		18.51				
100	16QAM	1	1		18.51		20.0	0.0	
100	64QAM	1	1		18.65		20.0	0.0	
100	256QAM	1	1		17.83		19.5	0.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	18.34	18.40	18.19	20.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	18.43	18.44	18.25	20.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	18.42	18.39	18.19	20.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	18.36	18.34	18.21	20.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	18.35	18.35	18.25	20.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	18.42	18.45	18.17	20.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500.01	3535.02			
30	QPSK	1	1	18.41	18.44	18.24	20.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	18.43	18.41	18.16	20.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3535			
20	QPSK	1	1	18.35	18.38	18.18	20.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	18.43	18.35	18.20	20.0	0.0	
Channel				630250	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	18.29	18.38	18.18	20.0	0.0	

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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				
Frequency (MHz)				3750				
100	PI2 BPSK	1	1	18.16				
100	PI2 BPSK	1	137		18.11		20.0	0.0
100	PI2 BPSK	1	271		18.40			
100	PI2 BPSK	135	0		18.17		20.0	0.0
100	PI2 BPSK	135	69		18.22		20.0	0.0
100	PI2 BPSK	135	138		18.22		20.0	0.0
100	PI2 BPSK	270	0		18.35		20.0	0.0
100	QPSK	1	1	18.86				
100	QPSK	1	137		18.44		20.0	0.0
100	QPSK	1	271		18.28			
100	QPSK	135	0		18.38		20.0	0.0
100	QPSK	135	69	18.49			20.0	0.0
100	QPSK	135	138		18.30		20.0	0.0
100	QPSK	270	0		18.37		20.0	0.0
100	16QAM	1	1		18.40		20.0	0.0
100	64QAM	1	1		18.38		20.0	0.0
100	256QAM	1	1		17.77		19.5	0.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	123	18.58	18.68	18.68	20.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	109	18.55	18.61	18.69	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95	18.59	18.58	18.70	20.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	81	18.59	18.50	18.72	20.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	67	18.55	18.68	18.78	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53	18.63	18.64	18.68	20.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	39	18.69	18.66	18.75	20.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
25	QPSK	1	32	18.66	18.59	18.70	20.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	26	18.58	18.54	18.70	20.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	19	18.57	18.58	18.75	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	12	18.60	18.66	18.63	20.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		18.27				
100	PI2 BPSK	1	137		18.40		20.0	0.0	
100	PI2 BPSK	1	271		18.66				
100	PI2 BPSK	135	0		18.35		20.0	0.0	
100	PI2 BPSK	135	69		18.46		20.0	0.0	
100	PI2 BPSK	135	138		18.48		20.0	0.0	
100	PI2 BPSK	270	0		18.45		20.0	0.0	
100	QPSK	1	1		18.88				
100	QPSK	1	137		18.65		20.0	0.0	
100	QPSK	1	271		18.57				
100	QPSK	135	0		18.54		20.0	0.0	
100	QPSK	135	69		18.70		20.0	0.0	
100	QPSK	135	138		18.46		20.0	0.0	
100	QPSK	270	0		18.47		20.0	0.0	
100	16QAM	1	1		18.55		20.0	0.0	
100	64QAM	1	1		18.56		20.0	0.0	
100	256QAM	1	1		17.94		19.5	0.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123		18.64	18.63	18.65	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		18.61	18.59	18.64	20.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	95		18.59	18.58	18.66	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		18.76	18.63	18.78	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		18.70	18.58	18.64	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		18.58	18.62	18.78	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	39		18.68	18.66	18.64	20.0	0.0
Channel				630668	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)	
25	QPSK	1	32		18.75	18.65	18.77	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		18.60	18.65	18.59	20.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		18.73	18.53	18.69	20.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		18.71	18.62	18.79	20.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630000	641666	645332			
Frequency (MHz)				3670	3624.99	3679.98			
40	PI2 BPSK	1	1	18.09	18.06	18.24			
40	PI2 BPSK	1	53	18.10	18.14	18.10	19.7	0.0	
40	PI2 BPSK	1	104	18.33	18.27	18.00			
40	PI2 BPSK	50	0	18.18	18.03	18.19	19.7	0.0	
40	PI2 BPSK	50	28	18.24	18.14	18.19	19.7	0.0	
40	PI2 BPSK	50	58	18.24	18.07	18.19			
40	PI2 BPSK	100	0	18.25	18.22	18.25	19.7	0.0	
40	QPSK	1	1	18.43	18.48	18.28			
40	QPSK	1	53	18.24	18.25	18.12	19.7	0.0	
40	QPSK	1	104	18.09	18.27	18.35			
40	QPSK	50	0	18.38	18.26	18.22	19.7	0.0	
40	QPSK	50	28	18.25	18.40	18.30	19.7	0.0	
40	QPSK	50	58	18.09	18.12	18.07			
40	QPSK	100	0	18.07	18.21	18.10	19.7	0.0	
40	15QAM	1	1	18.21	18.26	18.20	19.7	0.0	
40	64QAM	1	1	17.95	18.30	18.09	19.7	0.0	
40	256QAM	1	1	18.26	18.09	17.92	18.7	1.0	
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	18.31	18.40	18.18	19.7	0.0	
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560.01	3624.99	3680			
20	QPSK	1	1	18.30	18.34	18.12	19.7	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.57	3624.99	3692.49			
15	QPSK	1	1	18.27	18.26	18.24	19.7	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	18.33	18.42	18.14	19.7	0.0	

Part270 n77_Ant4 Handheld NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	17.78	17.75	17.92			
100	PI2 BPSK	1	137	17.89	17.74	17.76	19.5	0.0	
100	PI2 BPSK	1	271	18.01	17.98	17.70			
100	PI2 BPSK	135	0	17.85	17.74	17.84	19.5	0.0	
100	PI2 BPSK	135	69	18.00	17.90	17.91	19.5	0.0	
100	PI2 BPSK	135	138	17.98	17.83	17.89			
100	PI2 BPSK	270	0	17.86	17.96	17.95	19.5	0.0	
100	QPSK	1	1	18.05	18.14	17.91			
100	QPSK	1	137	17.95	17.98	17.91	19.5	0.0	
100	QPSK	1	271	17.83	17.91	18.12			
100	QPSK	135	0	18.02	17.98	17.96	19.5	0.0	
100	QPSK	135	69	17.91	18.13	17.89	19.5	0.0	
100	QPSK	135	138	17.73	17.89	17.80			
100	QPSK	270	0	17.75	17.88	17.73	19.5	0.0	
100	15QAM	1	1	17.94	17.88	17.93	19.5	0.0	
100	64QAM	1	1	17.73	17.98	17.77	19.5	0.0	
100	256QAM	1	1	17.46	17.24	17.13	19.0	0.5	
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.83	17.84	17.60	19.5	0.0	
Channel				637334	641666	648000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3840.02			
80	QPSK	1	1	17.81	17.84	17.70	19.5	0.0	
Channel				648000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3840			
70	QPSK	1	1	17.88	18.02	17.74	19.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3850.01			
60	QPSK	1	1	17.92	17.99	17.72	19.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3855.02			
50	QPSK	1	1	17.93	18.02	17.70	19.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.00	3840	3860.00			
40	QPSK	1	1	17.81	17.89	17.79	19.5	0.0	
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
30	QPSK	1	1	17.80	17.93	17.71	19.5	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.50	3840	3867.50			
25	QPSK	1	1	17.81	17.92	17.80	19.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3870.02			
20	QPSK	1	1	17.81	17.91	17.79	19.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3872.51			
15	QPSK	1	1	17.87	17.92	17.74	19.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705.00	3840	3875.00			
10	QPSK	1	1	17.81	17.88	17.76	19.5	0.0	

Part27Q n77_Ant4 Handheld NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		17.57				
100	PI2 BPSK	1	137		17.51		19.5	0.0	
100	PI2 BPSK	1	271		17.87				
100	PI2 BPSK	135	0		17.58		19.5	0.0	
100	PI2 BPSK	135	69		17.53		19.5	0.0	
100	PI2 BPSK	135	138		17.56				
100	PI2 BPSK	270	0		17.84		19.5	0.0	
100	QPSK	1	1		17.78				
100	QPSK	1	137		17.69		19.5	0.0	
100	QPSK	1	271		17.80				
100	QPSK	135	0		17.62		19.5	0.0	
100	QPSK	135	69		17.71		19.5	0.0	
100	QPSK	135	138		17.51		19.5	0.0	
100	QPSK	270	0		17.55				
100	16QAM	1	1		17.59		19.5	0.0	
100	64QAM	1	1		17.74		19.5	0.0	
100	256QAM	1	1		17.08		19.0	0.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	17.50	17.62	17.38	19.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	17.50	17.61	17.32	19.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	17.51	17.55	17.38	19.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.48	17.53	17.33	19.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	17.41	17.56	17.35	19.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	17.53	17.64	17.39	19.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	17.50	17.60	17.41	19.5	0.0	
Channel				630668	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	17.50	17.56	17.30	19.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.50	17.60	17.29	19.5	0.0	
Channel				630600	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	17.46	17.54	17.31	19.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	17.40	17.57	17.32	19.5	0.0	

Part270 n78_Ant4 Handheld NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000				
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		17.81			
100	PI2 BPSK	1	137		17.78		19.5	0.0
100	PI2 BPSK	1	231		17.90			
100	PI2 BPSK	135	0		17.77		19.5	0.0
100	PI2 BPSK	135	69		17.91		19.5	0.0
100	PI2 BPSK	135	138		17.92		19.5	0.0
100	PI2 BPSK	270	0		17.87		19.5	0.0
100	QPSK	1	1		18.15			
100	QPSK	1	137		17.92		19.5	0.0
100	QPSK	1	271		17.93			
100	QPSK	135	0		18.11		19.5	0.0
100	QPSK	135	69		18.03		19.5	0.0
100	QPSK	135	138		17.95		19.5	0.0
100	QPSK	270	0		17.94		19.5	0.0
100	16QAM	1	1		17.82		19.5	0.0
100	64QAM	1	1		18.08		19.5	0.0
100	256QAM	1	1		17.29		19.0	0.5
Channel				649668	650000	650334	Tune-up limit (dB)	MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123		17.53	17.70	17.65	19.5 0.0
Channel				849334	850000	850668	Tune-up limit (dB)	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109		17.59	17.75	17.72	19.5 0.0
Channel				649000	650000	651000	Tune-up limit (dB)	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95		17.52	17.71	17.84	19.5 0.0
Channel				648668	650000	651334	Tune-up limit (dB)	MPR
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81		17.23	17.81	17.73	19.5 0.0
Channel				849334	850000	851668	Tune-up limit (dB)	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67		17.61	17.78	17.69	19.5 0.0
Channel				648000	650000	652000	Tune-up limit (dB)	MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53		17.57	17.74	17.67	19.5 0.0
Channel				647668	650000	652334	Tune-up limit (dB)	MPR
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39		17.53	17.70	17.64	19.5 0.0
Channel				847990	850000	853000	Tune-up limit (dB)	MPR
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	32		17.57	17.66	17.63	19.5 0.0
Channel				847334	850000	852668	Tune-up limit (dB)	MPR
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	26		17.80	17.70	17.77	19.5 0.0
Channel				647168	650000	652834	Tune-up limit (dB)	MPR
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19		17.54	17.63	17.68	19.5 0.0
Channel				847000	850000	853000	Tune-up limit (dB)	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12		17.70	17.76	17.84	19.5 0.0

Part27Q 78_Ant4 Handheld NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		17.61			
100	PI2 BPSK	1	137		17.57		19.5	0.0
100	PI2 BPSK	1	231		17.64			
100	PI2 BPSK	135	0		17.49		19.5	0.0
100	PI2 BPSK	135	69		17.52		19.5	0.0
100	PI2 BPSK	135	138		17.45		19.5	0.0
100	PI2 BPSK	270	0		17.62		19.5	0.0
100	QPSK	1	1		17.75			
100	QPSK	1	137		17.69		19.5	0.0
100	QPSK	1	271		17.68			
100	QPSK	135	0		17.55		19.5	0.0
100	QPSK	135	69		17.63		19.5	0.0
100	QPSK	135	138		17.45		19.5	0.0
100	QPSK	270	0		17.58		19.5	0.0
100	16QAM	1	1		17.85		19.5	0.0
100	64QAM	1	1		17.68		19.5	0.0
100	256QAM	1	1		17.19		19.5	0.0
Channel				639000	633334	633668	Tune-up limit (dB)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123		17.70	17.77	17.64	19.5 0.0
Channel				832668	833334	834000	Tune-up limit (dB)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109		17.56	17.63	17.68	19.5 0.0
Channel				632334	633334	634334	Tune-up limit (dB)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	95		17.58	17.79	17.70	19.5 0.0
Channel				632000	633334	634668	Tune-up limit (dB)	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81		17.67	17.80	17.69	19.5 0.0
Channel				831668	833334	835000	Tune-up limit (dB)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67		17.73	17.76	17.79	19.5 0.0
Channel				631334	633334	635334	Tune-up limit (dB)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53		17.55	17.78	17.73	19.5 0.0
Channel				631000	633334	635668	Tune-up limit (dB)	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39		17.59	17.84	17.70	19.5 0.0
Channel				830334	833334	835834	Tune-up limit (dB)	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	32		17.55	17.66	17.78	19.5 0.0
Channel				830668	833334	838000	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26		17.63	17.63	17.78	19.5 0.0
Channel				630900	633334	638168	Tune-up limit (dB)	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19		17.72	17.72	17.72	19.5 0.0
Channel				830334	833334	838334	Tune-up limit (dB)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12		17.69	17.79	17.68	19.5 0.0



n41_FCC Ant 5 Handheld NSA&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				509200	518598	528000	18.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	P12 BPSK	1	1	16.44	16.58	16.44	18.0	0.0	
100	P12 BPSK	1	137	16.43	16.60	16.45			
100	P12 BPSK	1	271	16.47	16.60	16.40	18.0	0.0	
100	P12 BPSK	135	0	16.46	16.61	16.40			
100	P12 BPSK	135	69	16.40	16.58	16.42	18.0	0.0	
100	P12 BPSK	135	138	16.41	16.56	16.39			
100	P12 BPSK	270	0	16.41	16.55	16.45	18.0	0.0	
100	QPSK	1	1	16.55	16.73	16.46			
100	QPSK	1	137	16.46	16.63	16.43	18.0	0.0	
100	QPSK	1	271	16.45	16.56	16.47			
100	QPSK	135	0	16.44	16.61	16.46	18.0	0.0	
100	QPSK	135	69	16.46	16.66	16.42			
100	QPSK	135	138	16.47	16.61	16.48	18.0	0.0	
100	QPSK	270	0	16.43	16.59	16.40			
100	15QAM	1	1	16.44	16.56	16.47	18.0	0.0	
100	64QAM	1	1	16.45	16.60	16.46			
100	256QAM	1	1	15.33	15.50	15.43	17.0	1.0	
Channel				506200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	16.34	16.51	16.33	18.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	16.41	16.49	16.34	18.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	16.32	16.56	16.33	18.0	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	16.37	16.47	16.34	18.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	16.35	16.58	16.29	18.0	0.0	
Channel				502202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	16.36	16.58	16.30	18.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	16.39	16.47	16.35	18.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	16.32	16.53	16.33	18.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	16.38	16.51	16.30	18.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	16.35	16.55	16.31	18.0	0.0	

n48 Ant5 Handheld NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630000	641666	645332	18.5	0.0	
Frequency (MHz)				3670	3624.99	3676.98			
40	P12 BPSK	1	1	17.04	17.05	16.94	18.5	0.0	
40	P12 BPSK	1	53	16.89	17.14	16.96			
40	P12 BPSK	1	104	16.77	17.02	16.79	18.5	0.0	
40	P12 BPSK	50	0	16.63	16.67	16.61			
40	P12 BPSK	50	26	17.06	17.14	16.96	18.5	0.0	
40	P12 BPSK	50	56	16.41	16.70	16.42			
40	P12 BPSK	100	0	16.40	16.51	16.43	18.5	0.0	
40	QPSK	1	1	17.22	17.31	17.06			
40	QPSK	1	53	16.91	17.03	17.03	18.5	0.0	
40	QPSK	1	104	16.88	16.89	16.95			
40	QPSK	50	0	15.96	16.00	16.08	18.5	0.0	
40	QPSK	50	26	16.97	17.20	17.10			
40	QPSK	50	56	17.11	17.02	17.09	18.5	0.0	
40	QPSK	100	0	17.09	17.16	17.12			
40	15QAM	1	1	17.11	17.14	17.12	18.5	0.0	
40	64QAM	1	1	17.20	17.24	17.25			
40	256QAM	1	1	17.17	17.11	17.18	18.5	0.0	
Channel				637668	641666	645966	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655.02	3624.99	3684.99	(dBm)	(dB)	
30	QPSK	1	1	17.12	17.16	17.10	18.5	0.0	
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.01	3624.99	3696	(dBm)	(dB)	
20	QPSK	1	1	17.21	17.12	17.06	18.5	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	3692.49	(dBm)	(dB)	
15	QPSK	1	1	17.18	17.16	17.17	18.5	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3694.98	(dBm)	(dB)	
10	QPSK	1	1	17.17	17.19	17.09	18.5	0.0	

Part270 n77_Ant5 Handheld NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930	20.0	0.0	
Frequency (MHz)									
100	P12 BPSK	1	1	18.38	18.56	18.68	20.0	0.0	
100	P12 BPSK	1	137	18.67	18.67	18.30			
100	P12 BPSK	1	271	18.61	18.59	18.35	20.0	0.0	
100	P12 BPSK	135	0	18.57	18.51	18.61			
100	P12 BPSK	135	69	18.64	18.59	18.46	20.0	0.0	
100	P12 BPSK	135	138	18.73	18.56	18.49			
100	P12 BPSK	270	0	18.56	18.57	18.56	20.0	0.0	
100	QPSK	1	1	18.88	18.88	18.66			
100	QPSK	1	137	18.52	18.68	18.55	20.0	0.0	
100	QPSK	1	271	18.77	18.83	18.75			
100	QPSK	135	0	18.69	18.55	18.49	20.0	0.0	
100	QPSK	135	69	18.66	18.81	18.77			
100	QPSK	135	138	18.68	18.79	18.59	20.0	0.0	
100	QPSK	270	0	18.51	18.62	18.40			
100	16QAM	1	1	18.66	18.50	18.50	20.0	0.0	
100	64QAM	1	1	18.57	18.77	18.85			
100	256QAM	1	1	18.07	18.17	18.32	19.5	0.5	
Channel				649668	650000	662534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	18.32	18.46	18.24	20.0	0.0	
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	18.36	18.33	18.18	20.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.01	3840	3945 <th>(dBm)</th> <th colspan="2">(dB)</th>	(dBm)	(dB)	
70	QPSK	1	1	18.35	18.31	18.22	20.0	0.0	
Channel				648668	650000	663534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	18.34	18.34	18.12	20.0	0.0	
Channel				648334 <th>650000</th> <th>663668</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	18.43	18.37	18.14	20.0	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.00	3840	3960.00	(dBm)	(dB)	
40	QPSK	1	1	18.42	18.40	18.26	20.0	0.0	
Channel				648668	650000	662534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.02 <td>3840</td> <td>3955.01</td>	3840	3955.01	(dBm)	(dB)	
30	QPSK	1	1	18.29	18.40	18.17	20.0	0.0	
Channel				647600	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.50	3840	3967.50 <th>(dBm)</th> <th colspan="2">(dB)</th>	(dBm)	(dB)	
25	QPSK	1	1	18.35	18.42	18.18	20.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02 <th>(dBm)</th> <th colspan="2">(dB)</th>	(dBm)	(dB)	
20	QPSK	1	1	18.40	18.34	18.18	20.0	0.0	
Channel				647168	660000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51 <th>(dBm)</th> <th colspan="2">(dB)</th>	(dBm)	(dB)	
15	QPSK	1	1	18.30	18.40	18.23	20.0	0.0	
Channel				646160	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705.00	3840	3975.00 <th>(dBm)</th> <th colspan="2">(dB)</th>	(dBm)	(dB)	
10	QPSK	1	1	18.33	18.33	18.22	20.0	0.0	

Part27Q n77 Ant5 Handheld NSA PC2&3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				633334			20.0	0.0				
Frequency (MHz)				3500.01								
100	PI2 BPSK	1	1	18.48								
100	PI2 BPSK	1	137	18.74								
100	PI2 BPSK	1	271	18.56			20.0	0.0				
100	PI2 BPSK	135	0	18.57								
100	PI2 BPSK	135	69	18.64								
100	PI2 BPSK	135	138	18.52								
100	PI2 BPSK	270	0	18.52			20.0	0.0				
100	QPSK	1	1	18.91								
100	QPSK	1	137	18.73				0.0				
100	QPSK	1	271	18.78								
100	QPSK	135	0	18.80								
100	QPSK	135	69	18.92			20.0	0.0				
100	QPSK	135	138	18.80								
100	QPSK	270	0	18.92								
100	16QAM	1	1	18.61			20.0	0.0				
100	64QAM	1	1	18.96								
100	256QAM	1	1	18.08								
Channel				633000	633334	633668	Tune-up limit	MPR				
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)				
90	QPSK	1	1	18.34	18.45	18.19	20.0	0.0				
Channel				632968	633334	633690	Tune-up limit	MPR				
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)				
80	QPSK	1	1	18.43	18.44	18.25	20.0	0.0				
Channel				632334	633334	634334	Tune-up limit	MPR				
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)				
70	QPSK	1	1	18.42	18.39	18.19	20.0	0.0				
Channel				632000	633334	634668	Tune-up limit	MPR				
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)				
60	QPSK	1	1	18.39	18.34	18.21	20.0	0.0				
Channel				631968	633334	635000	Tune-up limit	MPR				
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)				
50	QPSK	1	1	18.35	18.35	18.25	20.0	0.0				
Channel				631334	633334	635334	Tune-up limit	MPR				
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)				
40	QPSK	1	1	18.42	18.45	18.17	20.0	0.0				
Channel				631000	633334	635668	Tune-up limit	MPR				
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)				
30	QPSK	1	1	18.41	18.44	18.24	20.0	0.0				
Channel				630834	633334	635834	Tune-up limit	MPR				
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)				
25	QPSK	1	1	18.43	18.41	18.16	20.0	0.0				
Channel				630668	633334	636000	Tune-up limit	MPR				
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)				
20	QPSK	1	1	18.35	18.38	18.18	20.0	0.0				
Channel				630500	633334	636168	Tune-up limit	MPR				
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)				
15	QPSK	1	1	18.43	18.39	18.20	20.0	0.0				
Channel				630334	633334	636334	Tune-up limit	MPR				
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)				
10	QPSK	1	1	18.29	18.38	18.18	20.0	0.0				

Part270 n78_Ant5 Handheld NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		18.42		20.0	0.0	
100	PI2 BPSK	1	137		18.66				
100	PI2 BPSK	1	271		18.59				
100	PI2 BPSK	135	0		18.55		20.0	0.0	
100	PI2 BPSK	135	69		18.72				
100	PI2 BPSK	135	138		18.61				
100	PI2 BPSK	270	0		18.75		20.0	0.0	
100	QPSK	1	1		18.78				
100	QPSK	1	137		18.52				
100	QPSK	1	271		18.70		20.0	0.0	
100	QPSK	135	0		18.58				
100	QPSK	135	69		18.75				
100	QPSK	135	138		18.70		20.0	0.0	
100	QPSK	270	0		18.46				
100	16QAM	1	1		18.41				
100	64QAM	1	1		18.59		20.0	0.0	
100	256QAM	1	1		18.75				
100	256QAM	1	1		18.75				
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123		18.66	18.63	18.75	20.0	0.0
Channel				840334	850000	850668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109		18.63	18.62	18.70	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95		18.53	18.62	18.68	20.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81		18.57	18.60	18.58	20.0	0.0
Channel				840334	850000	851008	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67		18.62	18.62	18.65	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53		18.49	18.57	18.68	20.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	39		18.54	18.70	18.60	20.0	0.0
Channel				847690	850000	852000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	32		18.58	18.68	18.63	20.0	0.0
Channel				847334	850000	852668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26		18.65	18.62	18.66	20.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19		18.68	18.70	18.74	20.0	0.0
Channel				847090	850000	853000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12		18.49	18.71	18.76	20.0	0.0

Part27Q n78_Ant5 Handheld NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750					
Frequency (MHz)									
100	PI2 BPSK	1	1		18.56		20.0	0.0	
100	PI2 BPSK	1	137		18.73				
100	PI2 BPSK	1	271		18.54				
100	PI2 BPSK	135	0		18.58		20.0	0.0	
100	PI2 BPSK	135	69		18.64				
100	PI2 BPSK	135	138		18.52				
100	PI2 BPSK	270	0		18.66		20.0	0.0	
100	QPSK	1	1		18.83				
100	QPSK	1	137		18.30				
100	QPSK	1	271		18.54		20.0	0.0	
100	QPSK	135	0		18.45				
100	QPSK	135	69		18.67				
100	QPSK	135	138		18.37		20.0	0.0	
100	QPSK	270	0		18.53				
100	16QAM	1	1		18.26				
100	64QAM	1	1		17.95		20.0	0.0	
100	256QAM	1	1		17.43				
100	256QAM	1	1		17.43				
Channel				633083	633557	633793	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.25	3503.35	3506.9	(dBm)	(dB)	
90	QPSK	1	1		18.26	18.09	18.05	20.0	0.0
Channel				632847	633557	634030	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3492.7	3503.35	3510.45	(dBm)	(dB)	
80	QPSK	1	1		18.18	18.23	18.11	20.0	0.0
Channel				632373	633557	634503	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3486.8	3503.35	3517.65 <td>(dBm)</td> <td>(dB)</td>	(dBm)	(dB)	
70	QPSK	1	1		18.16	18.23	18.23	20.0	0.0
Channel				632137	633557	634740	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3482.05	3503.35	3521.1	(dBm)	(dB)	
60	QPSK	1	1		18.13	18.29	18.14	20.0	0.0
Channel				631990	633557	635213	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3478.5	3503.35	3528.2	(dBm)	(dB)	
50	QPSK	1	1		18.07	18.11	18.04	20.0	0.0
Channel				631427	633557	635450	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3471.4	3503.35	3531.75	(dBm)	(dB)	
40	QPSK	1	1		18.13	18.28	18.09	20.0	0.0
Channel				631190	633557	635687	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3467.65	3503.35	3535.3	(dBm)	(dB)	
30	QPSK	1	1		18.18	18.12	18.20	20.0	0.0
Channel				630953	633557	635923	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3464.3	3503.35	3538.85	(dBm)	(dB)	
25	QPSK	1	1		18.17	18.17	18.27	20.0	0.0
Channel				630717	633557	636160	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.75	3503.35	3542.4	(dBm)	(dB)	
20	QPSK	1	1		18.20	18.07	18.18	20.0	0.0
Channel				630717	633557	636397	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.75	3503.35	3545.95	(dBm)	(dB)	
15	QPSK	1	1		18.20	18.23	18.22	20.0	0.0
Channel				630480	633557	636397	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.2	3503.35	3545.95	(dBm)	(dB)	
10	QPSK	1	1		18.18	18.19	18.07	20.0	0.0

n30 Ant6 Handheld NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000			20.0	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1		19.66		20.0	0.0
10	PI/2 BPSK	1	26		19.75			
10	PI/2 BPSK	1	50		19.58			
10	PI/2 BPSK	25	0		19.62		20.0	0.0
10	PI/2 BPSK	25	14		19.67		20.0	0.0
10	PI/2 BPSK	25	27		19.53		20.0	0.0
10	PI/2 BPSK	50	0		19.61			
10	QPSK	1	1		19.77		20.0	0.0
10	QPSK	1	26		19.66			
10	QPSK	1	50		19.69			
10	QPSK	25	0		19.75		20.0	0.0
10	QPSK	25	14		19.70		20.0	0.0
10	QPSK	25	27		19.59		20.0	0.0
10	QPSK	50	0		19.62		20.0	0.0
10	16QAM	1	1		19.55		20.0	0.0
10	64QAM	1	1		19.52		20.0	0.0
10	256QAM	1	1		19.57		20.0	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	19.62	19.66	19.63	20.0	0.0

n41 PC2&3 Ant6 Handheld NSA&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	20.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.93	19.94	19.82	20.5	0.0	
100	PI/2 BPSK	1	137	20.06	19.99	19.84			
100	PI/2 BPSK	1	271	19.89	19.90	19.95			
100	PI/2 BPSK	135	0	20.04	19.87	19.98			
100	PI/2 BPSK	135	69	19.89	19.82	19.96	20.5	0.0	
100	PI/2 BPSK	135	138	19.97	19.84	19.90	20.5	0.0	
100	PI/2 BPSK	270	0	19.83	19.94	19.96			
100	QPSK	1	1	19.90	20.07	19.97	20.5	0.0	
100	QPSK	1	137	19.91	20.01	20.00			
100	QPSK	1	271	19.90	20.00	19.90			
100	QPSK	135	0	19.84	20.04	19.75			
100	QPSK	135	69	19.92	20.06	19.90	20.5	0.0	
100	QPSK	135	138	19.83	19.87	19.71	20.5	0.0	
100	QPSK	270	0	19.85	19.95	19.80	20.5	0.0	
100	16QAM	1	1	20.00	19.96	19.87	20.5	0.0	
100	64QAM	1	1	19.95	19.80	19.81	20.5	0.0	
100	256QAM	1	1	18.92	18.80	18.85	20.5	0.0	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	19.78	20.04	19.85	20.5	0.0	
Channel				507204	518598	529298	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	19.76	20.05	19.85	20.5	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	19.76	20.05	19.85	20.5	0.0	
Channel				505200	518598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	19.75	20.06	19.84	20.5	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2669.99	(dBm)	(dB)	
50	QPSK	1	1	19.76	20.05	19.85	20.5	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	19.77	20.03	19.85	20.5	0.0	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.99	(dBm)	(dB)	
30	QPSK	1	1	19.77	20.04	19.84	20.5	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	19.74	20.05	19.87	20.5	0.0	
Channel				500700	518598	536998	Tune-up limit	MPR	
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	19.75	20.06	19.84	20.5	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	19.76	20.05	19.85	20.5	0.0	

n7 Ant8 Handheld NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	23.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	21.93	21.92	21.89	23.0	0.0	
50	PI/2 BPSK	1	135	22.05	21.97	22.01			
50	PI/2 BPSK	1	268	21.92	21.88	21.93			
50	PI/2 BPSK	135	0	21.88	21.90	21.84	23.0	0.0	
50	PI/2 BPSK	135	68	21.96	21.92	21.88	23.0	0.0	
50	PI/2 BPSK	135	135	21.91	21.83	21.93	23.0	0.0	
50	PI/2 BPSK	270	0	21.95	22.01	21.97			
50	QPSK	1	1	22.03	22.13	22.10	23.0	0.0	
50	QPSK	1	135	21.95	22.03	21.87			
50	QPSK	1	268	21.93	21.91	21.96			
50	QPSK	135	0	22.07	22.07	22.04	23.0	0.0	
50	QPSK	135	68	22.03	22.09	21.98	23.0	0.0	
50	QPSK	135	135	21.83	21.92	21.89	23.0	0.0	
50	QPSK	270	0	21.88	21.94	21.70			
50	16QAM	1	1	22.00	21.98	21.95	23.0	0.0	
50	64QAM	1	1	19.97	20.06	19.99	21.5	1.5	
50	256QAM	1	1	18.48	18.67	18.63	19.5	3.5	
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)		
40	QPSK	1	1	21.89	22.05	21.99	23.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	21.95	22.04	22.01	23.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)		
25	QPSK	1	1	21.95	21.95	21.95	23.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)		
20	QPSK	1	1	21.88	22.01	21.94	23.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	21.97	22.08	21.98	23.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	QPSK	1	1	21.94	22.00	22.02	23.0	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	21.97	22.06	22.04	23.0	0.0	



n41_FCC PC2 Handheld NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509000	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	P12 BPSK	1	1	21.95	22.05	21.92			
100	P12 BPSK	1	137	21.95	22.07	21.89	23.3	0.0	
100	P12 BPSK	1	271	21.94	22.07	21.89			
100	P12 BPSK	135	0	21.98	22.06	21.89	23.3	0.0	
100	P12 BPSK	135	69	22.02	22.12	21.95	23.3	0.0	
100	P12 BPSK	135	138	22.03	22.08	21.96			
100	P12 BPSK	270	0	22.02	22.06	21.93	23.3	0.0	
100	QPSK	1	1	22.08	22.18	22.03			
100	QPSK	1	137	22.03	22.11	21.88	23.3	0.0	
100	QPSK	1	271	21.95	22.07	21.96			
100	QPSK	135	0	22.00	22.04	21.92	22.3	1.0	
100	QPSK	135	69	21.95	22.05	21.95	23.3	0.0	
100	QPSK	135	138	21.99	22.13	21.94	22.3	1.0	
100	QPSK	270	0	21.96	22.11	21.95			
100	15QAM	1	1	21.97	22.14	21.97	23.3	0.0	
100	64QAM	1	1	21.70	21.76	21.66	23.3	0.0	
100	256QAM	1	1	20.14	20.23	20.08	21.3	2.0	
Channel				509000	518598	528096	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.06	22.09	21.85	23.3	0.0	
Channel				507204	518598	529098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.03	22.07	21.85	23.3	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2645			
70	QPSK	1	1	22.06	22.16	21.91	23.3	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.03	22.10	21.85	23.3	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.02	22.12	21.84	23.3	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.06	22.09	21.84	23.3	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.08	22.11	21.85	23.3	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.02	22.07	21.89	23.3	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2682.48			
15	QPSK	1	1	22.05	22.12	21.86	23.3	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.05	22.10	21.90	23.3	0.0	

n48 Ant8 Handheld NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630000	641696	645392			
Frequency (MHz)				3670	3624.99	3679.98			
40	P12 BPSK	1	1	15.20	15.14	15.08			
40	P12 BPSK	1	53	15.39	15.23	15.27	17.1	0.0	
40	P12 BPSK	1	104	15.13	15.22	15.32			
40	P12 BPSK	50	0	15.35	15.19	15.30	17.1	0.0	
40	P12 BPSK	50	28	15.19	15.27	15.20	17.1	0.0	
40	P12 BPSK	50	56	15.17	15.13	15.25			
40	P12 BPSK	100	0	15.07	15.21	15.26	17.1	0.0	
40	QPSK	1	1	15.19	15.42	15.40			
40	QPSK	1	53	15.15	15.32	15.33	17.1	0.0	
40	QPSK	1	104	15.23	15.18	15.29			
40	QPSK	50	0	15.13	15.26	15.04	17.1	0.0	
40	QPSK	50	28	15.23	15.27	15.22	17.1	0.0	
40	QPSK	50	56	15.19	15.09	15.20	17.1	0.0	
40	QPSK	100	0	15.19	15.23	15.18			
40	15QAM	1	1	15.25	15.18	15.14	17.1	0.0	
40	64QAM	1	1	15.19	15.09	15.20	17.1	0.0	
40	256QAM	1	1	15.24	15.14	15.18	17.1	0.0	
Channel				637688	641696	645696	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3665.02	3624.99	3684.99			
30	QPSK	1	1	15.02	15.26	15.29	17.1	0.0	
Channel				637334	641696	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3660.01	3624.99	3686			
20	QPSK	1	1	15.01	15.26	15.22	17.1	0.0	
Channel				637168	641696	646168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	3692.49			
15	QPSK	1	1	15.07	15.24	15.29	17.1	0.0	
Channel				637000	641696	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3694.98			
10	QPSK	1	1	15.05	15.22	15.29	17.1	0.0	

Part270 n77_Ant8 Handheld NSA PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				650000	650000	662500			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	14.02	13.95	13.91			
100	P12 BPSK	1	137	14.09	14.02	14.02	15.5	0.0	
100	P12 BPSK	1	271	13.94	14.04	14.09			
100	P12 BPSK	135	0	14.14	13.96	14.04	15.5	0.0	
100	P12 BPSK	135	69	14.00	14.00	14.04	15.5	0.0	
100	P12 BPSK	135	138	14.08	13.95	13.98	15.5	0.0	
100	P12 BPSK	270	0	13.83	14.07	14.08			
100	QPSK	1	1	13.99	14.19	14.17			
100	QPSK	1	137	14.05	14.04	14.12	15.5	0.0	
100	QPSK	1	271	14.08	14.06	14.12			
100	QPSK	135	0	14.00	14.07	13.90	15.5	0.0	
100	QPSK	135	69	14.03	14.04	14.01	15.5	0.0	
100	QPSK	135	138	13.89	13.91	13.94	15.5	0.0	
100	QPSK	270	0	14.01	14.04	13.91			
100	16QAM	1	1	14.09	14.00	14.02	15.5	0.0	
100	64QAM	1	1	13.99	14.02	14.04	15.5	0.0	
100	256QAM	1	1	13.72	13.89	13.79	15.5	0.0	
Channel				649668	650000	662534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	13.73	13.95	13.83	15.5	0.0	
Channel				637334	641696	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	13.72	13.91	13.92	15.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	13.65	13.97	13.89	15.5	0.0	
Channel				648668	650000	663534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	13.68	13.94	13.89	15.5	0.0	
Channel				648334	650000	663998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	13.72	13.95	13.91	15.5	0.0	
Channel				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.00	3840	3960.00			
40	QPSK	1	1	13.68	13.88	13.95	15.5	0.0	
Channel				649668	650000	662534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
30	QPSK	1	1	13.72	13.99	13.94	15.5	0.0	
Channel				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3732.50	3840	3967.50			
25	QPSK	1	1	13.74	13.89	13.91	15.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.01	3840	3971.02			
20	QPSK	1	1	13.69	13.91	13.90	15.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	13.75	13.86	13.82	15.5	0.0	
Channel				647000	650000	664998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.00	3840	3975.00			
10	QPSK	1	1	13.70	13.89	13.90	15.5	0.0	

Part27Q n77_Ant8 Handheld NSA PC2&3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				633334		3500.01	15.5	0.0			
Frequency (MHz)						3500.01					
100	PI/2 BPSK	1	1			13.67					
100	PI/2 BPSK	1	137			13.52					
100	PI/2 BPSK	1	271			13.46	15.5				
100	PI/2 BPSK	135	0			13.46					
100	PI/2 BPSK	135	69			13.49					
100	PI/2 BPSK	135	138			13.58					
100	PI/2 BPSK	270	0			13.63	15.5				
100	QPSK	1	1			13.88					
100	QPSK	1	137			13.57					
100	QPSK	1	271			13.70					
100	QPSK	135	0			13.54	15.5				
100	QPSK	135	69			13.71					
100	QPSK	135	138			13.82					
100	QPSK	270	0			13.68					
100	16QAM	1	1			13.49	15.5				
100	64QAM	1	1			13.67					
100	256QAM	1	1			13.57					
Channel				633000	633334	633668	Tune-up limit	MPR			
Frequency (MHz)				3485	3500.01	3505.02	(dBm)	(dB)			
90	QPSK	1	1	13.69	13.75	13.72	15.5	0.0			
Channel				632668	633334	634000	Tune-up limit	MPR			
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)			
80	QPSK	1	1	13.60	13.78	13.76	15.5	0.0			
Channel				632334	633334	634334	Tune-up limit	MPR			
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)			
70	QPSK	1	1	13.61	13.88	13.78	15.5	0.0			
Channel				632000	633334	634668	Tune-up limit	MPR			
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)			
60	QPSK	1	1	13.58	13.75	13.79	15.5	0.0			
Channel				631668	633334	635000	Tune-up limit	MPR			
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)			
50	QPSK	1	1	13.54	13.88	13.81	15.5	0.0			
Channel				631334	633334	635334	Tune-up limit	MPR			
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)			
40	QPSK	1	1	13.61	13.78	13.85	15.5	0.0			
Channel				631000	633334	635668	Tune-up limit	MPR			
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)			
30	QPSK	1	1	13.65	13.82	13.73	15.5	0.0			
Channel				630668	633334	635934	Tune-up limit	MPR			
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)			
25	QPSK	1	1	13.58	13.78	13.73	15.5	0.0			
Channel				630668	633334	636000	Tune-up limit	MPR			
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)			
20	QPSK	1	1	13.69	13.88	13.81	15.5	0.0			
Channel				630600	633334	636168	Tune-up limit	MPR			
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)			
15	QPSK	1	1	13.60	13.84	13.84	15.5	0.0			
Channel				630334	633334	636334	Tune-up limit	MPR			
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)			
10	QPSK	1	1	13.55	13.84	13.79	15.5	0.0			

Part270 n78_Ant8 Handheld NSA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000				
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		13.88		15.5	0.0
100	PI2 BPSK	1	137		14.05			
100	PI2 BPSK	1	271		14.10			
100	PI2 BPSK	135	0		14.08		15.5	0.0
100	PI2 BPSK	135	69		14.08		15.5	0.0
100	PI2 BPSK	135	138		13.95		15.5	0.0
100	PI2 BPSK	270	0		14.06		15.5	0.0
100	QPSK	1	1		14.18		15.5	0.0
100	QPSK	1	137		14.13			
100	QPSK	1	271		13.99		15.5	0.0
100	QPSK	135	0		14.13		15.5	0.0
100	QPSK	135	69		14.08		15.5	0.0
100	QPSK	135	138		13.97		15.5	0.0
100	QPSK	270	0		13.98		15.5	0.0
100	16QAM	1	1		14.09		15.5	0.0
100	64QAM	1	1		14.02		15.5	0.0
100	256QAM	1	1		13.82		15.5	0.0
Channel				649668	650000	650334	Tune-up limit (dB)	MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	123		13.69	13.85	13.77	15.5 0.0
Channel				845334	850000	850668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	109		13.64	13.79	13.75	15.5 0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	95		13.74	13.68	13.59	15.5 0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	81		13.64	13.77	13.59	15.5 0.0
Channel				845334	850000	851008	Tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	67		13.77	13.74	13.67	15.5 0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	53		13.81	13.85	13.78	15.5 0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	39		13.65	13.72	13.60	15.5 0.0
Channel				847000	850000	852000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	32		13.65	13.84	13.68	15.5 0.0
Channel				847334	850000	852668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3750	3792.02		
20	QPSK	1	26		13.78	13.88	13.67	15.5 0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	19		13.60	13.70	13.75	15.5 0.0
Channel				847000	850000	853000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	12		13.63	13.86	13.75	15.5 0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		13.67		15.5	0.0
100	PI2 BPSK	1	137		13.57			
100	PI2 BPSK	1	271		13.41			
100	PI2 BPSK	135	0		13.57		15.5	0.0
100	PI2 BPSK	135	69		13.41		15.5	0.0
100	PI2 BPSK	135	138		13.59		15.5	0.0
100	PI2 BPSK	270	0		13.66		15.5	0.0
100	QPSK	1	1		13.72		15.5	0.0
100	QPSK	1	137		13.61			
100	QPSK	1	271		13.60		15.5	0.0
100	QPSK	135	0		13.46		15.5	0.0
100	QPSK	135	69		13.71		15.5	0.0
100	QPSK	135	138		13.61		15.5	0.0
100	QPSK	270	0		13.67		15.5	0.0
100	16QAM	1	1		13.52		15.5	0.0
100	64QAM	1	1		13.68		15.5	0.0
100	256QAM	1	1		13.47		15.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123		13.68	13.69	13.70	15.5 0.0
Channel				832668	833334	834000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109		13.81	13.75	13.68	15.5 0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	95		13.65	13.72	13.76	15.5 0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81		13.74	13.75	13.75	15.5 0.0
Channel				831668	833334	835000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67		13.68	13.72	13.62	15.5 0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53		13.71	13.88	13.72	15.5 0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39		13.62	13.70	13.57	15.5 0.0
Channel				830334	833334	835834	Tune-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	32		13.67	13.68	13.75	15.5 0.0
Channel				830668	833334	838000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26		13.65	13.88	13.78	15.5 0.0
Channel				630500	633334	638168	Tune-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19		13.61	13.69	13.69	15.5 0.0
Channel				830334	833334	838334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12		13.75	13.88	13.78	15.5 0.0



WLAN/Bluetooth Power													
Ant 2-5 Full Power Backward/Forward Handoff/Downlink				Ant 2-5 Head (Downlink)				Ant 2-5 Head(Downlink)				Ant 2-5 Backward/Forward Handoff	
Ant 2-5 Full Power Backward/Forward Handoff/Downlink				Ant 2-5 Head (Downlink)				Ant 2-5 Head(Downlink)				Ant 2-5 Backward/Forward Handoff	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %
1. 4GHz WLAN	802.11a Mbps	1	2412	22.75	14.50	20.75	22.50	15.10	17.00	17.20	18.00	20.24	21.50
		6	2437	23.00	14.50	20.87	22.50	15.96	17.00	17.42	18.00	20.27	21.50
		11	2462	21.81	23.00	20.81	22.50	15.31	17.00	17.37	18.00	20.14	21.50
	802.11a Mbps	1	2412	21.41	23.00	20.80	22.50	17.00	17.00	17.00	18.00	21.50	21.50
		6	2437	21.80	23.00	20.79	22.50	17.00	17.00	17.00	18.00	21.50	21.50
		11	2462	19.56	23.00	19.30	23.00	17.00	17.00	17.00	18.00	21.50	21.50
	802.11a-WF40 MCS0	1	2412	20.10	21.50	20.00	21.50	17.00	17.00	17.00	18.00	21.50	21.50
		6	2437	21.81	23.00	20.81	22.50	17.00	17.00	17.00	18.00	21.50	21.50
		11	2462	17.06	18.50	16.50	18.50	17.00	17.00	17.00	18.00	18.50	18.50
	802.11a-WF40 MCS0	3	2402	18.80	20.00	18.00	20.00	17.00	17.00	17.00	18.00	20.00	20.00
		6	2437	18.08	20.00	18.00	20.00	17.00	17.00	17.00	18.00	20.00	20.00
		7	2442	17.56	18.00	16.50	18.00	17.00	17.00	17.00	18.00	18.00	18.00
	802.11a-WF40 MCS0	8	2447	15.15	18.00	15.00	18.00	17.00	17.00	17.00	18.00	18.00	18.00
		9	2452	15.77	17.00	17.00	17.00	17.00	17.00	17.00	18.00	18.00	18.00
		1	2412	18.96	21.25	21.25	21.25	17.00	17.00	17.00	18.00	21.25	21.25
	802.11ac-WF40 MCS0	36	2437	20.52	22.00	20.00	22.00	17.00	17.00	17.00	18.00	21.50	21.50
		11	2462	18.53	18.50	18.50	18.50	17.00	17.00	17.00	18.00	18.50	18.50
		3	2402	18.80	20.00	18.00	20.00	17.00	17.00	17.00	18.00	20.00	20.00
	802.11ac-WF40 MCS0	6	2437	18.96	20.00	18.00	20.00	17.00	17.00	17.00	18.00	20.00	20.00
		7	2442	17.48	18.00	16.50	18.00	17.00	17.00	17.00	18.00	18.00	18.00
		8	2447	15.17	18.00	15.00	18.00	17.00	17.00	17.00	18.00	18.00	18.00
	802.11ac-WF40 MCS0	9	2452	15.47	17.00	17.00	17.00	17.00	17.00	17.00	18.00	18.00	18.00
		1	2412	18.51	18.50	18.50	18.50	17.00	17.00	17.00	18.00	18.50	18.50
		3	2402	18.80	20.00	18.00	20.00	17.00	17.00	17.00	18.00	20.00	20.00
	802.11ac-WF40 MCS0	6	2437	21.85	23.00	20.85	22.50	17.00	17.00	17.00	18.00	21.50	21.50
		10	2457	18.10	20.00	18.00	20.00	17.00	17.00	17.00	18.00	20.00	20.00
		11	2462	18.10	20.00	18.00	20.00	17.00	17.00	17.00	18.00	20.00	20.00
	802.11ac-WF40 MCS0	3	2402	17.28	18.00	16.50	18.00	17.00	17.00	17.00	18.00	18.00	18.00
		6	2437	18.50	20.00	18.00	20.00	17.00	17.00	17.00	18.00	20.00	20.00
		8	2442	18.42	18.00	16.50	18.00	17.00	17.00	17.00	18.00	18.00	18.00

Note: The 4 GHz WLAN can be tested in MIMO antenna mode only and it has no SISO antenna mode.

Ant 2-5 Full Power Backward/Forward Handoff/Downlink				Ant 2-5 Head (Downlink)				Ant 2-5 Head(Downlink)				Ant 2-5 Backward/Forward Handoff		Ant 2-5 Head(Downlink)	
Ant 2-5 Full Power Backward/Forward Handoff/Downlink				Ant 2-5 Head (Downlink)				Ant 2-5 Head(Downlink)				Ant 2-5 Backward/Forward Handoff		Ant 2-5 Head(Downlink)	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a Mbps	36	5180	17.00	18.00	18.00	18.00	13.50	18.00	18.00	18.00	13.50	18.00	18.00	97.22
		40	5200	18.00	18.00	18.00	18.00	13.50	18.00	18.00	18.00	13.50	18.00	18.00	97.22
		44	5220	20.45	22.00	20.00	22.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
	802.11a-WF40 MCS0	40	5200	20.00	20.00	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
		44	5220	20.00	20.00	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
		48	5240	19.50	19.50	17.50	17.50	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
	802.11a-WF40 MCS0	40	5200	20.00	20.00	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
		44	5220	20.00	20.00	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
		48	5240	19.50	19.50	17.50	17.50	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
	802.11ac-WF40 MCS0	36	5180	15.75	17.00	15.75	17.00	13.50	18.00	18.00	18.00	13.50	18.00	18.00	94.12
		40	5200	16.00	17.00	16.00	17.00	13.50	18.00	18.00	18.00	13.50	18.00	18.00	94.12
		44	5220	18.00	20.00	18.00	20.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
	802.11ac-WF40 MCS0	40	5200	20.00	20.00	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
		44	5220	20.00	20.00	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
		48	5240	19.50	19.50	17.50	17.50	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
	802.11ac-WF40 MCS0	36	5180	15.85	17.00	15.85	17.00	13.50	18.00	18.00	18.00	13.50	18.00	18.00	94.20
		40	5200	20.00	20.00	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
		44	5220	18.00	20.00	18.00	20.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
	802.11ac-WF40 MCS0	40	5200	20.00	20.00	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
		44	5220	20.00	20.00	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
		48	5240	19.50	19.50	17.50	17.50	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
	802.11ac-WF40 MCS0	36	5180	15.85	17.00	15.85	17.00	13.50	18.00	18.00	18.00	13.50	18.00	18.00	94.20
		40	5200	18.00	20.00	18.00	20.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
		44	5220	18.00	20.00	18.00	20.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
	802.11ac-WF40 MCS0	40	5200	20.00	20.00	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
		44	5220	20.00	20.00	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
		48	5240	19.50	19.50	17.50	17.50	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
	802.11ac-WF40 MCS0	36	5180	15.85	17.00	15.85	17.00	13.50	18.00	18.00	18.00	13.50	18.00	18.00	94.20
		40	5200	18.00	20.00	18.00	20.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22
		44	5220	18.00	20.00	18.00	20.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	97.22

Note: The 5GHz WLAN can be tested in MIMO antenna mode only and it has no SISO antenna mode.

		Ant 2-5 Full Power (Forward/Backward)				Ant 2-5 Head (Downlink)		Ant 2-5 Full Power (Forward/Backward)		Ant 2-5 Head (Downlink)		Ant 2-5 Full Power (Forward/Backward)		Ant 2-5 Head (Downlink)			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle	
5.3GHz WLAN	802.11a Mbps	56	5300	20.10	20.00	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	18.00	97.22	
		60	5320	19.50	20.00	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	18.00	97.22	
		64	5340	20.25	20.20	18.50	18.50	13.50	21.50	21.50	21.50	13.50	18.00	18.00	18.00	97.22	
	802.11a-WF40 MCS0	56	5300	19.25	19.50	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	18.00	97.22	
		60	5320	20.30	20.20	18.50	18.50	13.50	21.50	21.50	21.50	13.50	18.00	18.00	18.00	97.22	
		64	5340	19.88	19.30	17.00	17.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	18.00	97.22	
	802.11a-WF40 MCS0	56	5300	20.10	20.20	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	18.00	97.22	
		60	5320	19.50	19.50	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	18.00	97.22	
		64	5340	20.25	20.20	18.50	18.50	13.50	21.50	21.50	21.50	13.50	18.00	18.00	18.00	97.22	
	802.11ac-WF40 MCS0	56	5300	20.00	20.00	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	18.00	97.22	
		60	5320	19.88	19.50	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	18.00	97.22	
		64	5340	19.75	19.50	18.00	18.00	13.50	21.50	21.50	21.50	13.50	18.00	18.00	18.00	97.22	