



Band 2 Default Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Turn-up (dB)	MPR (dB)		
Channel	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Turn-up (dB)	MPR (dB)		
20	QPSK	1	0	20.90	21.00	20.98				
20	QPSK	1	49	20.92	20.98	20.96				
20	QPSK	1	99	20.90	20.99	20.98		22	0	
20	QPSK	1	149	20.92	20.98	20.96				
20	QPSK	50	0	20.99	21.00	20.99				
20	QPSK	50	49	20.97	20.98	20.98				
20	QPSK	50	99	20.98	20.99	20.98		22	0	
20	QPSK	100	0	20.90	20.95	20.97				
20	QPSK	100	49	20.92	20.98	20.97				
20	QPSK	100	99	20.97	20.98	20.97		22	0	
20	QPSK	150	0	20.90	20.95	20.97				
20	QPSK	150	49	20.92	20.98	20.97				
20	QPSK	150	99	20.97	20.98	20.97		22	0	
20	QPSK	200	0	20.90	20.95	20.97				
20	QPSK	200	49	20.92	20.98	20.97				
20	QPSK	200	99	20.97	20.98	20.97		22	0	
20	QPSK	250	0	20.90	20.95	20.97				
20	QPSK	250	49	20.92	20.98	20.97				
20	QPSK	250	99	20.97	20.98	20.97		22	0	
20	QPSK	300	0	20.90	20.95	20.97				
20	QPSK	300	49	20.92	20.98	20.97				
20	QPSK	300	99	20.97	20.98	20.97		22	0	
20	QPSK	350	0	20.90	20.95	20.97				
20	QPSK	350	49	20.92	20.98	20.97				
20	QPSK	350	99	20.97	20.98	20.97		22	0	
20	QPSK	400	0	20.90	20.95	20.97				
20	QPSK	400	49	20.92	20.98	20.97				
20	QPSK	400	99	20.97	20.98	20.97		22	0	
20	QPSK	450	0	20.90	20.95	20.97				
20	QPSK	450	49	20.92	20.98	20.97				
20	QPSK	450	99	20.97	20.98	20.97		22	0	
20	QPSK	500	0	20.90	20.95	20.97				
20	QPSK	500	49	20.92	20.98	20.97				
20	QPSK	500	99	20.97	20.98	20.97		22	0	
20	QPSK	550	0	20.90	20.95	20.97				
20	QPSK	550	49	20.92	20.98	20.97				
20	QPSK	550	99	20.97	20.98	20.97		22	0	
20	QPSK	600	0	20.90	20.95	20.97				
20	QPSK	600	49	20.92	20.98	20.97				
20	QPSK	600	99	20.97	20.98	20.97		22	0	
20	QPSK	650	0	20.90	20.95	20.97				
20	QPSK	650	49	20.92	20.98	20.97				
20	QPSK	650	99	20.97	20.98	20.97		22	0	
20	QPSK	700	0	20.90	20.95	20.97				
20	QPSK	700	49	20.92	20.98	20.97				
20	QPSK	700	99	20.97	20.98	20.97		22	0	
20	QPSK	750	0	20.90	20.95	20.97				
20	QPSK	750	49	20.92	20.98	20.97				
20	QPSK	750	99	20.97	20.98	20.97		22	0	
20	QPSK	800	0	20.90	20.95	20.97				
20	QPSK	800	49	20.92	20.98	20.97				
20	QPSK	800	99	20.97	20.98	20.97		22	0	
20	QPSK	850	0	20.90	20.95	20.97				
20	QPSK	850	49	20.92	20.98	20.97				
20	QPSK	850	99	20.97	20.98	20.97		22	0	
20	QPSK	900	0	20.90	20.95	20.97				
20	QPSK	900	49	20.92	20.98	20.97				
20	QPSK	900	99	20.97	20.98	20.97		22	0	
20	QPSK	950	0	20.90	20.95	20.97				
20	QPSK	950	49	20.92	20.98	20.97				
20	QPSK	950	99	20.97	20.98	20.97		22	0	
20	QPSK	1000	0	20.90	20.95	20.97				
20	QPSK	1000	49	20.92	20.98	20.97				
20	QPSK	1000	99	20.97	20.98	20.97		22	0	
20	QPSK	1050	0	20.90	20.95	20.97				
20	QPSK	1050	49	20.92	20.98	20.97				
20	QPSK	1050	99	20.97	20.98	20.97		22	0	
20	QPSK	1100	0	20.90	20.95	20.97				
20	QPSK	1100	49	20.92	20.98	20.97				
20	QPSK	1100	99	20.97	20.98	20.97		22	0	
20	QPSK	1150	0	20.90	20.95	20.97				
20	QPSK	1150	49	20.92	20.98	20.97				
20	QPSK	1150	99	20.97	20.98	20.97		22	0	
20	QPSK	1200	0	20.90	20.95	20.97				
20	QPSK	1200	49	20.92	20.98	20.97				
20	QPSK	1200	99	20.97	20.98	20.97		22	0	
20	QPSK	1250	0	20.90	20.95	20.97				
20	QPSK	1250	49	20.92	20.98	20.97				
20	QPSK	1250	99	20.97	20.98	20.97		22	0	
20	QPSK	1300	0	20.90	20.95	20.97				
20	QPSK	1300	49	20.92	20.98	20.97				
20	QPSK	1300	99	20.97	20.98	20.97		22	0	
20	QPSK	1350	0	20.90	20.95	20.97				
20	QPSK	1350	49	20.92	20.98	20.97				
20	QPSK	1350	99	20.97	20.98	20.97		22	0	
20	QPSK	1400	0	20.90	20.95	20.97				
20	QPSK	1400	49	20.92	20.98	20.97				
20	QPSK	1400	99	20.97	20.98	20.97		22	0	
20	QPSK	1450	0	20.90	20.95	20.97				
20	QPSK	1450	49	20.92	20.98	20.97				
20	QPSK	1450	99	20.97	20.98	20.97		22	0	
20	QPSK	1500	0	20.90	20.95	20.97				
20	QPSK	1500	49	20.92	20.98	20.97				
20	QPSK	1500	99	20.97	20.98	20.97		22	0	
20	QPSK	1550	0	20.90	20.95	20.97				
20	QPSK	1550	49	20.92	20.98	20.97				
20	QPSK	1550	99	20.97	20.98	20.97		22	0	
20	QPSK	1600	0	20.90	20.95	20.97				
20	QPSK	1600	49	20.92	20.98	20.97				
20	QPSK	1600	99	20.97	20.98	20.97		22	0	
20	QPSK	1650	0	20.90	20.95	20.97				
20	QPSK	1650	49	20.92	20.98	20.97				
20	QPSK	1650	99	20.97	20.98	20.97		22	0	
20	QPSK	1700	0	20.90	20.95	20.97				
20	QPSK	1700	49	20.92	20.98	20.97				
20	QPSK	1700	99	20.97	20.98	20.97		22	0	
20	QPSK	1750	0	20.90	20.95	20.97				
20	QPSK	1750	49	20.92	20.98	20.97				
20	QPSK	1750	99	20.97	20.98	20.97		22	0	
20	QPSK	1800	0	20.90	20.95	20.97				
20	QPSK	1800	49	20.92	20.98	20.97				
20	QPSK	1800	99	20.97	20.98	20.97		22	0	
20	QPSK	1850	0	20.90	20.95	20.97				
20	QPSK	1850	49	20.92	20.98	20.97				
20	QPSK	1850	99	20.97	20.98	20.97		22	0	
20	QPSK	1900	0	20.90	20.95	20.97				
20	QPSK	1900	49	20.92	20.98	20.97				
20	QPSK	1900	99	20.97	20.98	20.97		22	0	
20	QPSK	1950	0	20.90	20.95	20.97				
20	QPSK	1950	49	20.92	20.98	20.97				
20	QPSK	1950	99	20.97	20.98	20.97		22	0	
20	QPSK	2000	0	20.90	20.95	20.97				
20	QPSK	2000	49	20.92	20.98	20.97				
20	QPSK	2000	99	20.97	20.98	20.97		22	0	
20	QPSK	2050	0	20.90	20.95	20.97				
20	QPSK	2050	49	20.92	20.98	20.97				
20	QPSK									



Band 12 Default Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.81	21.73	21.68				
10	QPSK	1	25	21.90	21.80	21.52				
10	QPSK	1	49	21.47	21.49	21.92		23	0	
10	QPSK	25	0	21.60	21.70	21.55				
10	QPSK	25	12	21.65	21.63	21.63				
10	QPSK	25	25	21.46	21.48	21.46		23	0	
10	QPSK	50	0	21.51	21.57	21.45				
10	QPSK	50	12	21.55	21.50	21.51				
10	16QAM	1	25	21.40	21.48	21.36		23	0	
10	16QAM	1	49	21.35	21.46	21.44				
10	16QAM	25	0	21.39	21.50	21.49				
10	16QAM	25	12	21.34	21.48	21.40		22.5	0.5	
10	16QAM	25	25	21.38	21.39	21.41				
10	16QAM	50	0	21.52	21.56	21.40				
10	16QAM	1	0	21.34	21.50	21.36		22.5	0.5	
10	8QAM	1	25	21.26	21.26	21.52		22.5	0.5	
10	8QAM	1	49	21.24	21.38	21.28				
10	8QAM	25	0	20.49	20.53	20.43				
10	8QAM	25	12	20.57	20.43	20.31		21.5	1.5	
10	8QAM	25	25	20.33	20.34	20.33				
10	8QAM	50	0	20.25	20.27	20.31				
10	256QAM	1	25	18.44	18.42	18.36		19.5	3.5	
10	256QAM	1	49	18.41	18.37	18.33				
10	256QAM	25	0	18.26	18.26	18.36		19.5	3.5	
10	256QAM	25	12	18.26	18.37	18.36				
10	256QAM	25	25	18.24	18.32	18.32				
10	256QAM	50	0	18.33	18.42	18.30				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.56	21.63	21.54				
5	QPSK	1	25	21.37	21.63	21.43		23	0	
5	QPSK	1	49	21.33	21.44	21.40				
5	QPSK	12	0	21.51	21.56	21.44				
5	QPSK	12	7	21.49	21.49	21.39		23	0	
5	QPSK	12	13	21.34	21.39	21.41				
5	QPSK	25	0	21.40	21.46	21.45				
5	16QAM	1	25	21.48	21.48	21.40		23	0	
5	16QAM	1	49	21.36	21.37	21.23				
5	16QAM	12	0	21.31	21.48	21.41				
5	16QAM	12	7	21.23	21.39	21.27		22.5	0.5	
5	16QAM	12	13	21.27	21.32	21.36				
5	16QAM	25	0	21.26	21.43	21.34				
5	8QAM	1	0	21.20	21.36	21.22		22.5	0.5	
5	8QAM	1	25	21.12	21.27	21.11				
5	8QAM	1	49	21.15	21.26	21.20				
5	8QAM	12	0	20.31	20.41	20.36		21.5	1.5	
5	8QAM	12	7	20.33	20.34	20.16				
5	8QAM	12	13	20.17	20.20	20.15				
5	8QAM	25	0	20.15	20.22	20.24				
5	256QAM	1	0	18.36	18.32	18.36		19.5	3.5	
5	256QAM	1	12	18.31	18.50	18.45				
5	256QAM	1	24	18.28	18.31	18.25				
5	256QAM	12	0	18.17	18.24	18.24		19.5	3.5	
5	256QAM	12	7	18.17	18.24	18.23				
5	256QAM	12	13	18.20	18.23	18.23				
5	256QAM	25	0	18.23	18.42	18.17				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.95	20.96	20.86				
3	QPSK	1	25	21.02	21.03	21.05		23	0	
3	QPSK	1	49	21.32	21.54	21.37				
3	QPSK	1	14	21.42	21.43	21.38				
3	QPSK	3	0	21.55	21.60	21.48				
3	QPSK	3	7	21.48	21.52	21.39		23	0	
3	QPSK	8	7	21.32	21.40	21.38				
3	QPSK	15	0	21.52	21.53	21.53				
3	16QAM	1	0	21.47	21.57	21.37		23	0	
3	16QAM	1	8	21.30	21.41	21.33				
3	16QAM	1	15	21.22	21.43	21.36				
3	16QAM	8	0	21.26	21.49	21.41		22.5	0.5	
3	16QAM	8	4	21.21	21.38	21.30				
3	16QAM	8	7	21.28	21.30	21.27				
3	16QAM	15	0	21.22	21.47	21.39		22.5	0.5	
3	8QAM	1	0	21.20	21.40	21.29				
3	8QAM	1	8	21.12	21.28	21.18				
3	8QAM	1	14	21.12	21.23	21.16				
3	8QAM	8	0	20.37	20.43	20.39		21.5	1.5	
3	8QAM	8	4	20.33	20.38	20.25				
3	8QAM	8	7	20.16	20.19	20.27				
3	256QAM	1	0	18.30	18.23	18.36		19.5	3.5	
3	256QAM	1	8	18.27	18.49	18.43				
3	256QAM	1	14	18.28	18.33	18.26				
3	256QAM	8	0	18.08	18.40	18.31		19.5	3.5	
3	256QAM	8	4	18.18	18.26	18.30				
3	256QAM	8	7	18.20	18.19	18.29				
3	256QAM	15	0	18.23	18.38	18.17				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.62	21.63	21.55				
1.4	QPSK	1	3	21.35	21.50	21.40		23	0	
1.4	QPSK	1	5	21.40	21.44	21.45				
1.4	QPSK	3	0	21.57	21.57	21.40				
1.4	QPSK	3	1	21.48	21.50	21.39		23	0	
1.4	QPSK	3	3	21.35	21.39	21.38				
1.4	16QAM	1	0	21.30	21.50	21.39		23	0	
1.4	16QAM	1	3	21.34	21.40	21.33				
1.4	16QAM	6	0	21.28	21.43	21.40		23	0	
1.4	16QAM	3	0	21.28	21.48	21.39				
1.4	16QAM	3	1	21.26	21.44	21.28				
1.4	16QAM	3	3	21.23	21.37	21.36		22.5	0.5	
1.4	8QAM	1	0	21.21	21.48	21.34		22.5	0.5	
1.4	8QAM	1	0	21.28	21.41	21.27				
1.4	8QAM	1	3	21.13	21.21	21.19				
1.4	8QAM	1	5	21.19	21.28	21.18		22.5	0.5	
1.4	8QAM	3	0	21.23	21.36	21.32				
1.4	8QAM	3	1	21.23	21.23	21.20				
1.4	8QAM	3	3	21.10	21.22	21.17		21.5	1.5	
1.4	8QAM	8	0	20.39	20.41	20.29				
1.4	256QAM	1	0	18.37	18.49	18.44		19.5	3.5	
1.4	256QAM	1	3	18.33	18.50	18.44				
1.4	256QAM	3	0	18.29	18.26	18.24				
1.4	256QAM	3	1	18.27	18.30	18.30				
1.4	256QAM	3	1	18.14	18.50	18.24		19.5	3.5	
1.4	256QAM	8	0	18.19	18.24	18.22				
1.4	256QAM	8	16	18.21	18.30	18.19		19.5	3.5	

Band 13 Default Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.67	21.67	21.67				
10	QPSK	1	25	21.43	21.43	21.43		23	0	
10	QPSK	1	49	21.50	21.50	21.50				
10	QPSK	25	0	21.63	21.63	21.63				
10	QPSK	25	12	21.52	21.52	21.52		23	0	
10	QPSK	25	25	21.39	21.39	21.39				
10	QPSK	50	0	21.50	21.50	21.50				
10	QPSK	50	12	21.51	21.51	21.51				
10	16QAM	1	25	21.45	21.45	21.45		23	0	
10	16QAM	1	49	21.45	21.45	21.45				
10	16QAM	25	0	21.42	21.42	21.42		22.5	0.5	
10	16QAM	25	12	21.40	21.40	21.40				
10	16QAM	25	25	21.40	21.40	21.40				
10	16QAM	50	0	21.39	21.39	21.39				
10	8QAM	1	0	21.19	21.19	21.19		22.5	0.5	
10	8QAM	1	25	21.04	21.04	21.				



Band 25 Default Ant 1										
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dB)	MPE (dB)		
Channel										
1800 1800 1900										
20	QPSK	1	0	21.00	21.11	21.06				
20	QPSK	1	48	20.83	20.94	20.89			22	0
20	QPSK	1	96	20.67	20.78	20.73				
20	QPSK	50	0	20.92	21.03	20.98				
20	QPSK	50	24	20.84	20.95	20.90				
20	QPSK	50	50	20.76	20.87	20.82			22	0
20	QPSK	100	0	20.89	21.00	20.94				
20	16QAM	50	0	20.87	20.98	20.93				
20	16QAM	1	48	20.83	20.94	20.89			22	0
20	16QAM	1	96	20.76	20.87	20.82				
20	16QAM	50	24	20.77	20.88	20.83				
20	16QAM	50	50	20.74	20.85	20.80				
20	16QAM	100	0	20.82	20.93	20.88				
20	64QAM	1	0	20.88	21.00	20.97				
20	64QAM	1	48	20.82	20.97	20.89			22	0
20	64QAM	1	96	20.88	20.99	20.94				
20	64QAM	50	0	20.89	21.01	20.99				
20	64QAM	50	24	20.81	20.94	20.94				
20	64QAM	50	50	20.76	20.88	20.84			22	0
20	64QAM	100	0	20.88	20.99	20.92				
20	256QAM	1	48	17.82	17.97	17.89			19	3
20	256QAM	1	96	17.77	17.84	17.77				
20	256QAM	50	24	17.80	17.85	17.84				
20	256QAM	50	50	17.71	17.82	17.78			19	3
20	256QAM	100	0	17.82	17.93	17.85				
Channel										
1827.5 1880 1907.5										
15	QPSK	1	0	20.89	21.07	20.98				
15	QPSK	1	37	20.76	20.87	20.82			22	0
15	QPSK	1	74	20.76	20.84	20.78				
15	QPSK	36	0	20.83	20.94	20.91				
15	QPSK	36	25	20.80	20.91	20.87				
15	QPSK	36	39	20.82	20.79	20.74			22	0
15	QPSK	75	0	20.82	20.98	20.88				
15	16QAM	1	0	20.80	20.98	20.88				
15	16QAM	1	37	20.77	20.83	20.79			22	0
15	16QAM	1	74	20.86	20.98	20.92				
15	16QAM	36	0	20.91	20.96	20.91				
15	16QAM	36	29	20.71	20.86	20.74			22	0
15	16QAM	36	49	20.86	20.98	20.92				
15	16QAM	75	0	20.78	20.91	20.81				
15	64QAM	1	0	20.83	21.06	20.98				
15	64QAM	1	37	20.88	20.99	20.97			22	0
15	64QAM	1	74	20.74	20.85	20.79				
15	64QAM	36	0	20.76	20.86	20.75				
15	64QAM	36	25	20.76	20.88	20.83				
15	64QAM	36	39	20.82	20.83	20.80			22	0
15	64QAM	75	0	20.77	20.81	20.88				
15	256QAM	1	0	17.86	17.97	17.89				
15	256QAM	1	37	17.88	17.93	17.79			19	3
15	256QAM	1	74	17.83	17.71	17.73				
15	256QAM	36	0	17.86	17.91	17.86				
15	256QAM	36	29	17.69	17.78	17.77			19	3
15	256QAM	36	39	17.86	17.78	17.67				
15	256QAM	75	0	17.82	17.96	17.87			19	3
Channel										
20600 20640 20680										
10	QPSK	1	0	20.88	21.00	20.94				
10	QPSK	1	25	20.78	20.93	20.89			22	0
10	QPSK	1	49	20.78	20.80	20.73				
10	QPSK	12	0	20.86	20.97	20.91				
10	QPSK	25	12	20.77	20.77	20.76				
10	QPSK	25	25	20.63	20.78	20.73			22	0
10	QPSK	50	0	20.79	20.88	20.82				
10	16QAM	1	0	20.80	20.97	20.82				
10	16QAM	1	24	20.74	20.78	20.79			22	0
10	16QAM	1	49	20.86	20.98	20.92				
10	16QAM	25	0	20.77	20.91	20.75				
10	16QAM	25	12	20.68	20.84	20.74			22	0
10	16QAM	25	25	20.67	20.84	20.82				
10	16QAM	50	0	20.76	20.81	20.85				
10	64QAM	1	0	20.89	21.00	20.93				
10	64QAM	1	24	20.77	20.85	20.77			22	0
10	64QAM	1	49	20.84	20.80	20.69				
10	64QAM	25	0	20.79	20.88	20.74				
10	64QAM	25	12	20.68	20.84	20.77				
10	64QAM	25	25	20.65	20.86	20.82			22	0
10	64QAM	50	0	20.71	20.91	20.81				
10	256QAM	1	0	17.87	17.97	17.87				
10	256QAM	1	24	17.88	17.99	17.74			19	3
10	256QAM	1	49	17.71	17.75	17.62				
10	256QAM	12	0	17.80	17.85	17.82				
10	256QAM	25	12	17.74	17.71	17.77			19	3
10	256QAM	25	25	17.64	17.74	17.74				
10	256QAM	50	0	17.82	17.96	17.87			19	3
Channel										
20655 20695 20735										
5	QPSK	1	0	20.88	21.00	20.94				
5	QPSK	1	12	20.80	20.84	20.89			22	0
5	QPSK	1	24	20.69	20.81	20.89				
5	QPSK	12	0	20.78	20.82	20.82				
5	QPSK	12	7	20.73	20.83	20.74			22	0
5	QPSK	12	13	20.64	20.80	20.74				
5	QPSK	25	0	20.84	20.98	20.90				
5	16QAM	1	0	20.73	20.92	20.82				
5	16QAM	1	12	20.73	20.81	20.75			22	0
5	16QAM	1	24	20.68	20.74	20.78				
5	16QAM	12	0	20.77	20.90	20.86				
5	16QAM	12	7	20.72	20.78	20.72			22	0
5	16QAM	12	13	20.64	20.74	20.87				
5	16QAM	25	0	20.69	20.84	20.83				
5	64QAM	1	0	20.85	21.04	20.91				
5	64QAM	1	12	20.86	20.88	20.81			22	0
5	64QAM	1	24	20.77	20.79	20.89				
5	64QAM	12	0	20.76	20.92	20.84				
5	64QAM	12	7	20.77	20.74	20.79				
5	64QAM	12	13	20.59	20.68	20.83			22	0
5	64QAM	25	0	20.74	20.84	20.86				
5	256QAM	1	0	17.77	18.09	17.77				
5	256QAM	1	12	17.81	18.02	17.74			19	3
5	256QAM	1	24	17.73	17.79	17.69				
5	256QAM	12	0	17.76	17.81	17.75				
5	256QAM	12	7	17.70	17.71	17.74			19	3
5	256QAM	12	13	17.62	17.70	17.74				
5	256QAM	25	0	17.83	18.04	17.83			19	3
Channel										
20665 20695 20735										
3	QPSK	1	0	20.89	20.99	20.93				
3	QPSK	1	8	20.75	20.83	20.87			22	0
3	QPSK	1	14	20.71	20.87	20.79				
3	QPSK	8	0	20.81	21.02	20.91				
3	QPSK	8	4	20.73	20.83	20.76			22	0
3	QPSK	8	7	20.69	20.79	20.71				
3	QPSK	15	0	20.81	20.84	20.83				
3	16QAM	1	0	20.81	20.99	20.86				
3	16QAM	1	8	20.78	20.84	20.85			22	0
3	16QAM	1	14	20.65	20.79	20.72				
3	16QAM	8	0	20.76	20.86	20.79				
3	16QAM	8	4	20.67	20.84	20.72			22	0
3	16QAM	8	7	20.60	20.66	20.81				
3	16QAM	15	0	20.74	20.88	20.83				
3	64QAM	1	0	20.84	21.00	20.87				
3	64QAM	1	8	20.86	20.93	20.78			22	0
3	64QAM	1	14	20.81	20.79	20.69				
3	64QAM	8	0	20.79	20.					



Band 66 Default Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	APR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.03	21.12	20.97				
20	QPSK	1	49	20.91	21.00	20.85	22	0		
20	QPSK	1	99	20.86	20.90	20.79				
20	QPSK	50	0	20.87	21.07	20.96				
20	QPSK	50	24	20.83	20.98	20.84				
20	QPSK	50	50	20.80	20.87	20.88				
20	QPSK	100	0	20.84	20.95	20.82				
20	16QAM	1	0	20.90	20.92	20.87				
20	16QAM	1	49	20.74	20.80	20.80	22	0		
20	16QAM	1	99	20.78	20.82	20.73				
20	16QAM	50	0	20.71	20.97	20.79				
20	16QAM	50	24	20.84	20.88	20.85				
20	16QAM	50	50	20.83	20.89	20.89				
20	16QAM	100	0	20.82	20.90	20.82				
20	64QAM	1	0	20.81	20.92	20.74				
20	64QAM	1	49	20.75	20.86	20.77	22	0		
20	64QAM	1	99	20.85	20.90	20.80				
20	64QAM	50	0	20.81	20.79	20.69				
20	64QAM	50	24	20.59	20.70	20.56				
20	64QAM	50	50	20.56	20.60	20.49				
20	64QAM	100	0	20.74	20.83	20.82	22	0		
20	256QAM	1	0	17.67	17.69	17.61				
20	256QAM	1	49	17.93	17.91	17.95	19	3		
20	256QAM	1	99	17.79	17.80	17.85				
20	256QAM	50	0	17.85	17.75	17.83				
20	256QAM	50	24	17.60	17.58	17.52				
20	256QAM	50	50	17.47	17.58	17.47	19	3		
20	256QAM	100	0	17.73	17.55	17.60				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.92	21.07	20.92				
15	QPSK	1	39	20.78	20.90	20.79	22	0		
15	QPSK	1	74	20.77	20.76	20.71				
15	QPSK	36	0	20.78	21.01	20.83				
15	QPSK	36	20	20.75	20.79	20.79				
15	QPSK	36	39	20.87	20.83	20.79	22	0		
15	QPSK	75	0	20.74	20.82	20.74				
15	16QAM	1	0	20.81	20.83	20.75				
15	16QAM	1	39	20.73	20.83	20.77	22	0		
15	16QAM	1	74	20.69	20.70	20.64				
15	16QAM	36	0	20.59	20.74	20.64				
15	16QAM	36	20	20.54	20.54	20.51				
15	16QAM	75	0	20.75	20.88	20.70	22	0		
15	64QAM	1	0	20.71	20.80	20.69				
15	64QAM	1	39	20.61	20.69	20.68	22	0		
15	64QAM	1	74	20.54	20.55	20.55				
15	64QAM	36	0	20.56	20.70	20.62				
15	64QAM	36	20	20.53	20.60	20.48				
15	64QAM	36	39	20.48	20.52	20.38	22	0		
15	64QAM	75	0	20.67	20.69	20.68				
15	256QAM	1	0	17.76	17.80	17.81				
15	256QAM	1	39	17.78	17.80	17.83	19	3		
15	256QAM	1	74	17.85	17.85	17.81				
15	256QAM	36	0	17.46	17.70	17.60				
15	256QAM	36	20	17.47	17.52	17.41				
15	256QAM	36	39	17.37	17.50	17.33	19	3		
15	256QAM	75	0	17.44	17.81	17.74				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.71	21.01	20.71				
10	QPSK	1	25	20.83	20.89	20.71	22	0		
10	QPSK	1	49	20.82	20.78	20.72				
10	QPSK	25	0	20.76	20.79	20.68				
10	QPSK	25	12	20.68	20.78	20.79				
10	QPSK	25	25	20.76	20.81	20.74	22	0		
10	16QAM	1	0	20.81	20.83	20.74				
10	16QAM	1	25	20.66	20.75	20.74	22	0		
10	16QAM	1	49	20.73	20.80	20.84				
10	16QAM	25	0	20.58	20.81	20.65				
10	16QAM	25	12	20.54	20.58	20.60	22	0		
10	16QAM	25	25	20.56	20.58	20.48				
10	16QAM	50	0	20.80	20.82	20.68				
10	64QAM	1	0	20.72	20.86	20.71	22	0		
10	64QAM	1	25	20.81	20.72	20.64				
10	64QAM	1	49	20.51	20.55	20.58				
10	64QAM	25	0	20.47	20.71	20.57				
10	64QAM	25	12	20.48	20.48	20.43	22	0		
10	64QAM	25	25	20.47	20.46	20.45				
10	64QAM	50	0	20.67	20.79	20.75				
10	256QAM	1	0	17.86	17.82	17.82				
10	256QAM	1	25	17.86	17.86	17.87	19	3		
10	256QAM	1	49	17.85	17.78	17.79				
10	256QAM	25	0	17.53	17.43	17.59				
10	256QAM	25	12	17.57	17.52	17.45				
10	256QAM	25	25	17.36	17.46	17.43	19	3		
10	256QAM	50	0	17.62	17.62	17.78				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.71	20.80	20.65				
5	QPSK	1	12	20.85	20.92	20.79	22	0		
5	QPSK	1	24	20.80	20.82	20.68				
5	QPSK	12	0	20.75	20.84	20.65				
5	QPSK	12	7	20.76	20.79	20.71	22	0		
5	QPSK	12	13	20.67	20.80	20.79				
5	QPSK	25	0	20.73	20.80	20.67				
5	16QAM	1	0	20.81	20.80	20.76	22	0		
5	16QAM	1	12	20.64	20.73	20.75				
5	16QAM	1	24	20.75	20.72	20.60				
5	16QAM	12	0	20.67	20.72	20.84	22	0		
5	16QAM	12	7	20.58	20.57	20.60				
5	16QAM	12	13	20.50	20.50	20.54				
5	16QAM	25	0	20.76	20.88	20.69				
5	64QAM	1	0	20.70	20.83	20.66	22	0		
5	64QAM	1	12	20.65	20.77	20.64				
5	64QAM	1	24	20.82	20.54	20.61				
5	64QAM	12	0	20.53	20.67	20.60	22	0		
5	64QAM	12	7	20.48	20.59	20.49				
5	64QAM	12	13	20.50	20.53	20.39				
5	64QAM	25	0	20.70	20.77	20.70				
5	256QAM	1	0	17.82	17.80	17.83				
5	256QAM	1	12	17.80	17.80	17.82	19	3		
5	256QAM	1	24	17.70	17.76	17.71				
5	256QAM	12	0	17.55	17.62	17.69				
5	256QAM	12	7	17.54	17.50	17.47				
5	256QAM	12	13	17.39	17.49	17.44	19	3		
5	256QAM	25	0	17.44	17.78	17.75				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.11	21.08	20.12				
3	QPSK	1	8	20.85	20.86	20.74	22	0		
3	QPSK	1	14	20.75	20.85	20.66				
3	QPSK	8	0	20.72	20.80	20.68				
3	QPSK	8	4	20.74	20.80	20.80	22	0		
3	QPSK	8	7	20.69	20.82	20.85				
3	QPSK	15	0	20.72	20.84	20.78				
3	16QAM	1	0	20.87	20.82	20.80	22	0		
3	16QAM	1	8	20.83	20.77	20.73				
3	16QAM	1	14	20.70	20.68	20.67				
3	16QAM	8	0	20.80	20.83	20.74	22	0		
3	16QAM	8	4	20.55	20.53	20.58				
3	16QAM	8	7	20.55	20.61	20.55				
3	64QAM	1	0	20.69	20.82	20.64	22	0		
3	64QAM	1	8	20.84	20.72	20.64				
3	64QAM	1	14	20.51	20.57	20.59				
3	64QAM	8	0	20.49	20.80	20.69	22	0		
3	64QAM	8	4	20.45						



Band 38 Default Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	0	22.41	22.53	22.40	23	0		
30	QPSK	1	49	22.32	22.35	22.39	23	0		
30	QPSK	1	99	22.26	22.29	22.29	23	0		
30	QPSK	50	0	22.29	22.45	22.30	23	0		
30	QPSK	50	24	22.24	22.36	22.32	23	0		
30	QPSK	50	49	22.24	22.38	22.24	23	0		
30	QPSK	100	0	22.28	22.45	22.33	23	0		
30	HQAM	1	0	22.35	22.51	22.39	23	0		
30	HQAM	1	49	22.31	22.31	22.35	23	0		
30	HQAM	1	99	22.27	22.39	22.24	23	0		
30	HQAM	50	0	21.97	22.14	21.96	23	0		
30	HQAM	50	24	21.91	21.95	21.95	23	0		
30	HQAM	50	49	21.88	21.92	21.89	23	0		
30	HQAM	100	0	21.95	22.09	21.99	23	0		
30	HQAM	100	0	22.29	22.47	22.35	23	0		
30	HQAM	1	49	22.28	22.36	22.28	23	0		
30	HQAM	1	99	22.16	22.24	22.22	23	0		
30	HQAM	50	0	21.93	22.11	22.05	23	0		
30	HQAM	50	24	21.89	22.03	21.90	23	0		
30	HQAM	50	49	21.80	21.94	21.85	23	0		
30	HQAM	100	0	21.91	22.05	21.96	23	0		
30	HQAM	100	0	21.83	21.90	21.85	23	0		
30	HQAM	1	49	18.79	18.90	18.79	20.5	2.5		
30	HQAM	1	99	18.76	18.77	18.79	20.5	2.5		
30	HQAM	50	0	18.86	18.86	18.86	20.5	2.5		
30	HQAM	50	24	18.97	19.06	18.96	20.5	2.5		
30	HQAM	50	49	18.89	18.95	18.84	20.5	2.5		
30	HQAM	100	0	18.90	18.90	18.90	20.5	2.5		
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.73	21.75	21.73	23	0		
15	QPSK	1	37	22.19	22.23	22.20	23	0		
15	QPSK	1	74	22.12	22.20	22.21	23	0		
15	QPSK	36	0	22.23	22.33	22.24	23	0		
15	QPSK	36	20	22.14	22.22	22.19	23	0		
15	QPSK	36	39	22.11	22.21	22.21	23	0		
15	QPSK	75	0	22.18	22.29	22.23	23	0		
15	HQAM	1	0	22.26	22.39	22.27	23	0		
15	HQAM	1	37	22.21	22.24	22.24	23	0		
15	HQAM	1	74	22.15	22.25	22.15	23	0		
15	HQAM	36	0	21.94	22.08	21.82	23	0		
15	HQAM	36	20	21.82	21.84	21.83	23	0		
15	HQAM	36	39	21.78	21.84	21.88	23	0		
15	HQAM	75	0	21.81	22.06	21.94	23	0		
15	HQAM	1	0	22.15	22.27	22.26	23	0		
15	HQAM	1	37	22.17	22.28	22.23	23	0		
15	HQAM	1	74	22.08	22.11	22.15	23	0		
15	HQAM	36	0	21.85	21.96	21.85	23	0		
15	HQAM	36	20	21.83	21.92	21.79	23	0		
15	HQAM	36	39	21.85	21.91	21.86	23	0		
15	HQAM	75	0	21.82	21.91	21.85	23	0		
15	HQAM	1	0	18.77	18.90	18.81	20.5	2.5		
15	HQAM	1	37	18.70	18.81	18.73	20.5	2.5		
15	HQAM	1	74	18.67	18.74	18.74	20.5	2.5		
15	HQAM	36	0	18.86	19.11	18.92	20.5	2.5		
15	HQAM	36	20	18.93	18.94	18.93	20.5	2.5		
15	HQAM	36	39	18.85	18.88	18.84	20.5	2.5		
15	HQAM	75	0	18.89	18.90	18.89	20.5	2.5		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.75	22.85	22.75	23	0		
10	QPSK	1	25	22.23	22.30	22.27	23	0		
10	QPSK	1	49	22.19	22.21	22.25	23	0		
10	QPSK	12	0	22.31	22.38	22.35	23	0		
10	QPSK	25	12	22.21	22.29	22.32	23	0		
10	QPSK	25	25	22.14	22.20	22.22	23	0		
10	QPSK	50	0	22.24	22.37	22.30	23	0		
10	HQAM	1	0	22.25	22.38	22.31	23	0		
10	HQAM	1	25	22.27	22.33	22.18	23	0		
10	HQAM	1	49	22.15	22.26	22.12	23	0		
10	HQAM	25	0	21.85	22.03	21.89	23	0		
10	HQAM	25	12	21.87	21.91	21.86	23	0		
10	HQAM	25	25	21.78	21.85	21.77	23	0		
10	HQAM	50	0	21.87	22.00	21.89	23	0		
10	HQAM	1	0	22.16	22.29	22.27	23	0		
10	HQAM	1	49	22.16	22.25	22.17	23	0		
10	HQAM	1	99	22.21	22.31	22.23	23	0		
10	HQAM	1	49	22.03	22.10	22.12	23	0		
10	HQAM	25	0	21.78	22.07	21.87	23	0		
10	HQAM	25	12	21.78	21.97	21.78	23	0		
10	HQAM	25	25	21.77	21.87	21.71	23	0		
10	HQAM	50	0	21.77	21.95	21.81	23	0		
10	HQAM	50	0	18.76	18.92	18.70	20.5	2.5		
10	HQAM	1	0	18.64	18.91	18.72	20.5	2.5		
10	HQAM	1	49	18.62	18.73	18.68	20.5	2.5		
10	HQAM	25	0	18.83	19.11	18.89	20.5	2.5		
10	HQAM	25	12	18.90	19.03	18.90	20.5	2.5		
10	HQAM	25	25	18.77	18.84	18.87	20.5	2.5		
10	HQAM	50	0	18.91	19.04	18.85	20.5	2.5		
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.26	22.40	22.42	23	0		
5	QPSK	1	12	22.27	22.21	22.24	23	0		
5	QPSK	1	24	22.17	22.17	22.21	23	0		
5	QPSK	12	0	22.16	22.26	22.26	23	0		
5	QPSK	12	7	22.12	22.26	22.20	23	0		
5	QPSK	12	13	22.21	22.21	22.17	23	0		
5	QPSK	25	0	22.21	22.31	22.29	23	0		
5	HQAM	1	0	22.31	22.41	22.34	23	0		
5	HQAM	1	12	22.21	22.24	22.13	23	0		
5	HQAM	1	24	22.13	22.17	22.18	23	0		
5	HQAM	12	0	21.89	22.08	21.90	23	0		
5	HQAM	12	7	21.81	21.89	21.88	23	0		
5	HQAM	12	13	21.80	21.88	21.85	23	0		
5	HQAM	25	0	21.85	22.04	21.95	23	0		
5	HQAM	1	0	22.20	22.35	22.24	23	0		
5	HQAM	1	12	22.14	22.25	22.20	23	0		
5	HQAM	1	24	22.04	22.14	22.09	23	0		
5	HQAM	12	0	21.86	22.08	21.96	23	0		
5	HQAM	12	7	21.78	21.88	21.85	23	0		
5	HQAM	12	13	21.76	21.79	21.73	23	0		
5	HQAM	25	0	21.76	21.96	21.87	23	0		
5	HQAM	1	0	18.73	18.89	18.71	20.5	2.5		
5	HQAM	1	12	18.72	18.87	18.66	20.5	2.5		
5	HQAM	1	24	18.64	18.73	18.70	20.5	2.5		
5	HQAM	12	0	18.82	19.01	18.84	20.5	2.5		
5	HQAM	12	13	18.85	18.88	18.90	20.5	2.5		
5	HQAM	25	0	18.95	19.08	18.91	20.5	2.5		

Band 41 FCC&C Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.97	24.13	24.13	24	0		
20	QPSK	1	49	23.55	23.62	23.65	24	0		
20	QPSK	1	99	23.48	23.56	23.56	24	0		
20	QPSK	50	0	23.58	23.66	23.72	24	0		
20	QPSK	50	24	23.50	23.51	23.64	24	0		
20	QPSK	50	49	23.48	23.42	23.44	24	0		
20	QPSK	100	0	23.60	23.68	23.69	24	0		
20	HQAM	1	0	23.85	23.97	23.88	24	0		
20	HQAM	1	49	23.62	23.70	23.68	24	0		
20	HQAM	1	99	23.67	23.58	23.72	24	0		
20	HQAM	50	0	21.87	21.89	21.88	24	0		
20	HQAM	50	24	21.86	21.89	21.83	24	0		
20	HQAM	50	49	21.46	21.55	21.65	24	0		
20	HQAM	100	0	21.69	21.69	21.76	24	0		
20	HQAM	100	0	21.75	21.78	21.71	24	0		
20	HQAM	1	49	21.72	21.74	21.69	24	0		
20	HQAM	1	99	21.50	21.65	21.64	24	0		
20	HQAM	50	0	20.95	20.95	20.74	24	0		
20	HQAM	50	24	20.46	20.58	20.66	24	0		
20	HQAM	50	49	20.50	20.48	20.54	24	0		
20	HQAM	100	0	20.88	20.87	20.70	24	0		
20	HQAM	1	0	18.82	18.49	18.70	19	5		
20	HQAM	1	49	18.86	18.57	18.70	19	5		
20	HQAM	1	99	18.43	18.43	18.53	19	5		
20	HQAM	50	0	18.74	18.77	18.80	19	5		
20	HQAM	50	24	18.61	18.59	18.64	19	5		
20	HQAM	50	49	18.51	18.53	18.61	19	5		
20	HQAM	100	0	18.77	18.75	18.86	19	5		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.47	23.50	23.51	24	0		
15	QPSK	1	37	23.35	23.42	23.4				



Band 41 PC2 FCC Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MPE (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	25.50	25.47	25.51	25.41	25.50	25.50	27	0
20	QPSK	1	49	25.33	25.40	25.58	25.35	25.35	25.33		
20	QPSK	1	99	25.20	25.33	25.51	25.51	25.41	25.41		
20	QPSK	50	0	25.33	25.30	25.45	25.20	25.37	25.37		
20	QPSK	50	24	25.27	25.29	25.48	25.27	25.33	25.33	27	0
20	QPSK	50	49	25.15	25.15	25.35	25.15	25.15	25.15		
20	QPSK	100	0	25.19	25.19	25.38	25.22	25.28	25.28		
20	HQAM	1	0	25.18	25.28	25.42	25.23	25.34	25.34	27	0
20	HQAM	1	49	25.20	25.14	25.30	25.16	25.26	25.26		
20	HQAM	1	99	25.16	25.13	25.30	25.12	25.27	25.27		
20	HQAM	50	0	24.29	24.40	24.35	24.34	24.44	24.44		
20	HQAM	50	24	24.32	24.28	24.50	24.27	24.42	24.42		
20	HQAM	50	49	24.21	24.24	24.40	24.22	24.39	24.39	26	1
20	HQAM	100	0	24.25	24.23	24.40	24.19	24.30	24.30		
20	HQAM	100	0	24.57	24.55	24.55	24.57	24.75	24.75		
20	HQAM	1	49	24.55	24.53	24.74	24.54	24.66	24.66	26	1
20	HQAM	1	99	24.52	24.55	24.70	24.52	24.65	24.65		
20	HQAM	50	0	23.37	23.35	23.55	23.30	23.46	23.46		
20	HQAM	50	24	23.33	23.33	23.53	23.31	23.45	23.45		
20	HQAM	50	49	23.35	23.25	23.49	23.33	23.44	23.44	25	2
20	HQAM	100	0	23.23	23.29	23.44	23.31	23.33	23.33		
20	SSBQAM	1	0	21.51	21.49	21.65	21.44	21.58	21.58		
20	SSBQAM	1	49	21.43	21.41	21.65	21.42	21.52	21.52	23	4
20	SSBQAM	1	99	21.30	21.36	21.50	21.41	21.51	21.51		
20	SSBQAM	50	0	21.37	21.37	21.50	21.34	21.45	21.45		
20	SSBQAM	50	24	21.27	21.23	21.48	21.24	21.39	21.39	23	4
20	SSBQAM	50	49	21.23	21.26	21.41	21.20	21.35	21.35		
20	SSBQAM	100	0	21.10	21.10	21.25	21.11	21.24	21.24		
Channel											
Frequency (MHz)											
15	QPSK	1	0	25.47	25.39	25.51	25.30	25.50	25.50	27.00	0
15	QPSK	1	37	25.29	25.33	25.48	25.29	25.46	25.46		
15	QPSK	1	74	25.16	25.26	25.36	25.24	25.30	25.30		
15	QPSK	38	0	25.25	25.24	25.40	25.24	25.42	25.42		
15	QPSK	38	20	25.13	25.15	25.43	25.21	25.21	25.21	27	0
15	QPSK	38	39	25.08	25.11	25.29	25.08	25.24	25.24		
15	QPSK	75	0	25.04	25.06	25.28	25.17	25.24	25.24		
15	HQAM	1	0	25.05	25.14	25.20	25.18	25.28	25.28	27	0
15	HQAM	1	37	25.06	25.11	25.29	25.05	25.20	25.20		
15	HQAM	1	74	25.10	25.00	25.28	25.07	25.21	25.21		
15	HQAM	38	0	24.17	24.33	24.29	24.24	24.35	24.35		
15	HQAM	38	20	24.25	24.18	24.45	24.15	24.31	24.31	26	1
15	HQAM	38	39	24.11	24.09	24.37	24.10	24.26	24.26		
15	HQAM	75	0	24.20	24.08	24.25	24.05	24.17	24.17		
15	HQAM	75	0	24.44	24.57	24.72	24.47	24.70	24.70		
15	HQAM	1	37	24.49	24.48	24.63	24.46	24.55	24.55	26	1
15	HQAM	1	74	24.42	24.42	24.62	24.38	24.51	24.51		
15	HQAM	38	0	23.26	23.22	23.45	23.28	23.33	23.33	25	2
15	HQAM	38	20	23.23	23.28	23.40	23.19	23.34	23.34		
15	HQAM	38	39	23.22	23.21	23.34	23.19	23.32	23.32		
15	HQAM	75	0	23.19	23.25	23.32	23.15	23.23	23.23		
15	SSBQAM	1	0	21.44	21.44	21.54	21.33	21.45	21.45	23	4
15	SSBQAM	1	37	21.39	21.39	21.51	21.30	21.42	21.42		
15	SSBQAM	1	74	21.25	21.29	21.52	21.31	21.41	21.41		
15	SSBQAM	38	0	21.28	21.27	21.39	21.26	21.39	21.39	23	4
15	SSBQAM	38	20	21.12	21.14	21.35	21.18	21.27	21.27		
15	SSBQAM	38	39	21.14	21.22	21.37	21.12	21.30	21.30		
15	SSBQAM	75	0	21.08	21.10	21.21	21.00	21.10	21.10	23	4
Channel											
Frequency (MHz)											
10	QPSK	1	0	25.43	25.43	25.43	25.43	25.43	25.43	27.00	0
10	QPSK	1	25	25.25	25.31	25.48	25.25	25.42	25.42		
10	QPSK	1	49	25.21	25.18	25.38	25.17	25.37	25.37		
10	QPSK	25	0	25.32	25.32	25.46	25.22	25.30	25.30	27	0
10	QPSK	25	12	25.17	25.21	25.43	25.22	25.36	25.36		
10	QPSK	25	25	25.04	25.13	25.26	25.10	25.14	25.14		
10	HQAM	1	0	25.15	25.16	25.31	25.14	25.24	25.24	27	0
10	HQAM	1	0	25.66	25.69	25.30	25.17	25.24	25.24		
10	HQAM	1	25	25.06	25.09	25.30	25.12	25.20	25.20		
10	HQAM	1	49	25.09	25.07	25.30	25.17	25.24	25.24		
10	HQAM	25	0	24.21	24.28	24.44	24.25	24.39	24.39	26	1
10	HQAM	25	12	24.23	24.19	24.46	24.19	24.29	24.29		
10	HQAM	25	25	24.13	24.11	24.43	24.12	24.40	24.40	26	1
10	HQAM	50	0	24.17	24.12	24.31	24.16	24.22	24.22		
10	HQAM	50	0	24.44	24.08	24.70	24.06	24.60	24.60		
10	HQAM	1	25	24.43	24.49	24.80	24.49	24.61	24.61	26	1
10	HQAM	1	49	24.38	24.51	24.69	24.41	24.56	24.56		
10	HQAM	25	0	23.23	23.28	23.51	23.31	23.36	23.36		
10	HQAM	25	12	23.29	23.27	23.41	23.17	23.32	23.32		
10	HQAM	25	25	23.25	23.12	23.45	23.19	23.38	23.38	25	2
10	HQAM	50	0	23.14	23.16	23.35	23.25	23.32	23.32		
10	SSBQAM	1	0	21.45	21.46	21.56	21.35	21.48	21.48		
10	SSBQAM	1	25	21.29	21.34	21.51	21.37	21.46	21.46	23	4
10	SSBQAM	1	49	21.26	21.25	21.45	21.33	21.42	21.42		
10	SSBQAM	25	0	21.33	21.29	21.44	21.25	21.41	21.41		
10	SSBQAM	25	12	21.21	21.11	21.30	21.16	21.30	21.30	23	4
10	SSBQAM	25	25	21.11	21.14	21.27	21.11	21.29	21.29		
10	SSBQAM	50	0	21.04	21.04	21.24	21.09	21.18	21.18		
Channel											
Frequency (MHz)											
5	QPSK	1	0	25.37	25.39	25.54	25.38	25.47	25.47	27.00	0
5	QPSK	1	12	25.22	25.27	25.41	25.20	25.43	25.43		
5	QPSK	1	24	25.15	25.21	25.39	25.19	25.29	25.29		
5	QPSK	12	0	25.20	25.27	25.36	25.21	25.32	25.32	27	0
5	QPSK	12	7	25.17	25.25	25.35	25.23	25.32	25.32		
5	QPSK	12	13	25.09	25.17	25.28	25.07	25.23	25.23		
5	QPSK	25	0	25.10	25.04	25.29	25.12	25.17	25.17		
5	HQAM	1	0	25.09	25.19	25.32	25.18	25.23	25.23	27	0
5	HQAM	1	12	25.15	25.06	25.27	25.05	25.22	25.22		
5	HQAM	1	24	25.07	25.02	25.20	25.04	25.16	25.16		
5	HQAM	12	0	24.22	24.35	24.43	24.28	24.41	24.41		
5	HQAM	12	7	24.24	24.18	24.44	24.12	24.36	24.36	26	1
5	HQAM	12	13	24.11	24.13	24.32	24.16	24.35	24.35		
5	HQAM	25	0	24.18	24.16	24.30	24.05	24.18	24.18		
5	HQAM	1	0	24.50	24.63	24.72	24.40	24.72	24.72		
5	HQAM	1	12	24.46	24.63	24.66	24.36	24.60	24.60	26	1
5	HQAM	1	24	24.45	24.49	24.66	24.42	24.53	24.53		
5	HQAM	12	0	23.24	23.31	23.46	23.31	23.31	23.31		
5	HQAM	12	7	23.20	23.29	23.45	23.24	23.42	23.42	25	2
5	HQAM										



OSM 1900 Ase 2											
Line	Band Average Power (dBm)			Tune-up	Frame Average Power (dBm)			Tune-up			
Tx Channel	812	861	810	Limit	812	861	810	Limit			
Received (dBm)	180.2	180.3	180.8	(dBm)	180.2	180.0	180.8	(dBm)			
OSM 1 Tx Watt	28.25	28.33	28.19	29.00	19.25	19.33	19.19	20.00			
OPNS 1 Tx Watt	28.23	28.20	28.13	29.00	19.23	19.20	19.13	20.00			
OPNS 2 Tx Watt	25.46	25.52	25.40	26.00	17.46	17.52	17.40	20.00			
OPNS 3 Tx Watt	23.98	24.13	24.00	25.00	15.72	15.87	15.74	20.74			
OPNS 4 Tx Watt	21.92	22.00	21.98	23.00	13.92	13.99	13.98	20.00			
EDGE 1 Tx Watt	23.59	23.64	23.61	24.50	14.59	14.64	14.61	15.50			
EDGE 2 Tx Watt	21.56	21.60	21.52	22.50	12.56	12.60	12.52	17.50			
EDGE 3 Tx Watt	20.78	20.85	20.70	21.50	11.78	11.85	11.64	17.34			
EDGE 4 Tx Watt	18.71	18.74	18.68	19.50	10.71	10.74	10.68	16.50			

WCCMA IV Ase 2											
Band	WCCMA II			Tune-up	WCCMA IV			Tune-up			
Tx Channel	5882	5900	5938	Limit	5812	5813	5813	Limit			
Received (dBm)	89.2	89.0	89.8	(dBm)	89.2	89.0	89.8	(dBm)			
WCCMA III	21.00	21.50	21.46	22.00	21.42	21.44	21.37	23.00			
WCCMA III	21.54	21.52	21.49	22.00	21.47	21.53	21.44	23.00			
WCCMA III	20.83	20.74	20.49	21.00	20.37	20.68	20.52	22.00			
WCCMA III	20.58	20.60	20.53	21.00	20.47	20.61	20.43	22.00			
WCCMA III	20.11	20.21	20.14	21.00	19.51	20.04	19.69	21.00			
WCCMA III	20.02	20.18	20.09	21.00	19.38	20.06	20.02	21.00			
WCCMA III	20.55	20.73	20.51	21.00	20.40	20.50	20.39	22.00			
WCCMA III	20.34	20.41	20.40	21.00	20.25	20.31	20.31	22.00			
WCCMA III	19.88	19.98	19.84	21.00	19.80	19.87	19.83	21.50			
WCCMA III	19.93	19.90	19.92	21.00	19.78	19.90	19.84	21.00			
WCCMA III	20.59	20.72	20.71	21.00	20.49	20.63	20.60	22.00			
WCCMA III	19.52	19.60	19.45	20.00	18.46	18.49	18.29	20.00			
WCCMA III	19.58	19.62	19.60	20.00	18.49	18.51	18.48	21.00			
WCCMA III	18.43	18.27	18.41	19.00	18.38	18.44	18.33	20.00			
WCCMA III	20.92	20.92	20.92	21.00	20.48	20.53	20.49	22.00			



Band 2 Default Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Turn-up (dB)	MPR (dB)		
Channel				Ch. 1/Freq.	Ch. 2/Freq.	Ch. 3/Freq.				
20	QPSK	1	0	21.12	21.24	21.07				
20	QPSK	1	4	20.92	21.00	20.92				
20	QPSK	1	8	20.72	21.04	20.92				
20	QPSK	50	0	21.06	21.20	21.10				
20	QPSK	50	4	21.04	21.24	21.08				
20	QPSK	50	8	20.88	21.01	20.96				
20	QPSK	100	0	21.01	21.12	21.03				
20	QPSK	100	4	21.06	21.24	21.08				
20	QPSK	100	8	20.84	21.03	20.97				
20	QPSK	150	0	20.96	21.09	20.99				
20	QPSK	150	4	20.92	21.06	20.96				
20	QPSK	150	8	20.76	20.86	20.81				
20	QPSK	150	12	20.80	21.00	20.90				
20	QPSK	150	16	20.72	21.08	20.88				
20	QPSK	150	20	20.60	20.90	20.84				
20	QPSK	150	24	20.52	20.94	20.84				
20	QPSK	150	28	20.40	20.88	20.80				
20	QPSK	150	32	20.32	20.84	20.76				
20	QPSK	150	36	20.24	20.80	20.72				
20	QPSK	150	40	20.16	20.76	20.68				
20	QPSK	150	44	20.08	20.72	20.64				
20	QPSK	150	48	20.00	20.68	20.60				
20	QPSK	150	52	19.92	20.64	20.56				
20	QPSK	150	56	19.84	20.60	20.52				
20	QPSK	150	60	19.76	20.56	20.48				
20	QPSK	150	64	19.68	20.52	20.44				
20	QPSK	150	68	19.60	20.48	20.40				
20	QPSK	150	72	19.52	20.44	20.36				
20	QPSK	150	76	19.44	20.40	20.32				
20	QPSK	150	80	19.36	20.36	20.28				
20	QPSK	150	84	19.28	20.32	20.24				
20	QPSK	150	88	19.20	20.28	20.20				
20	QPSK	150	92	19.12	20.24	20.16				
20	QPSK	150	96	19.04	20.20	20.12				
20	QPSK	150	100	18.96	20.16	20.04				
20	QPSK	150	104	18.88	20.12	20.00				
20	QPSK	150	108	18.80	20.08	19.96				
20	QPSK	150	112	18.72	20.04	19.92				
20	QPSK	150	116	18.64	20.00	19.88				
20	QPSK	150	120	18.56	19.96	19.84				
20	QPSK	150	124	18.48	19.92	19.80				
20	QPSK	150	128	18.40	19.88	19.76				
20	QPSK	150	132	18.32	19.84	19.72				
20	QPSK	150	136	18.24	19.80	19.68				
20	QPSK	150	140	18.16	19.76	19.64				
20	QPSK	150	144	18.08	19.72	19.60				
20	QPSK	150	148	18.00	19.68	19.56				
20	QPSK	150	152	17.92	19.64	19.52				
20	QPSK	150	156	17.84	19.60	19.48				
20	QPSK	150	160	17.76	19.56	19.44				
20	QPSK	150	164	17.68	19.52	19.40				
20	QPSK	150	168	17.60	19.48	19.36				
20	QPSK	150	172	17.52	19.44	19.32				
20	QPSK	150	176	17.44	19.40	19.28				
20	QPSK	150	180	17.36	19.36	19.24				
20	QPSK	150	184	17.28	19.32	19.20				
20	QPSK	150	188	17.20	19.28	19.16				
20	QPSK	150	192	17.12	19.24	19.12				
20	QPSK	150	196	17.04	19.20	19.08				
20	QPSK	150	200	16.96	19.16	19.04				
20	QPSK	150	204	16.88	19.12	18.96				
20	QPSK	150	208	16.80	19.08	18.92				
20	QPSK	150	212	16.72	19.04	18.88				
20	QPSK	150	216	16.64	19.00	18.84				
20	QPSK	150	220	16.56	18.96	18.80				
20	QPSK	150	224	16.48	18.92	18.76				
20	QPSK	150	228	16.40	18.88	18.72				
20	QPSK	150	232	16.32	18.84	18.68				
20	QPSK	150	236	16.24	18.80	18.64				
20	QPSK	150	240	16.16	18.76	18.60				
20	QPSK	150	244	16.08	18.72	18.56				
20	QPSK	150	248	16.00	18.68	18.52				
20	QPSK	150	252	15.92	18.64	18.48				
20	QPSK	150	256	15.84	18.60	18.44				
20	QPSK	150	260	15.76	18.56	18.40				
20	QPSK	150	264	15.68	18.52	18.36				
20	QPSK	150	268	15.60	18.48	18.32				
20	QPSK	150	272	15.52	18.44	18.28				
20	QPSK	150	276	15.44	18.40	18.24				
20	QPSK	150	280	15.36	18.36	18.20				
20	QPSK	150	284	15.28	18.32	18.16				
20	QPSK	150	288	15.20	18.28	18.12				
20	QPSK	150	292	15.12	18.24	18.08				
20	QPSK	150	296	15.04	18.20	18.04				
20	QPSK	150	300	14.96	18.16	18.00				
20	QPSK	150	304	14.88	18.12	17.96				
20	QPSK	150	308	14.80	18.08	17.92				
20	QPSK	150	312	14.72	18.04	17.88				
20	QPSK	150	316	14.64	18.00	17.84				
20	QPSK	150	320	14.56	17.96	17.80				
20	QPSK	150	324	14.48	17.92	17.76				
20	QPSK	150	328	14.40	17.88	17.72				
20	QPSK	150	332	14.32	17.84	17.68				
20	QPSK	150	336	14.24	17.80	17.64				
20	QPSK	150	340	14.16	17.76	17.60				
20	QPSK	150	344	14.08	17.72	17.56				
20	QPSK	150	348	14.00	17.68	17.52				
20	QPSK	150	352	13.92	17.64	17.48				
20	QPSK	150	356	13.84	17.60	17.44				
20	QPSK	150	360	13.76	17.56	17.40				
20	QPSK	150	364	13.68	17.52	17.36				
20	QPSK	150	368	13.60	17.48	17.32				
20	QPSK	150	372	13.52	17.44	17.28				
20	QPSK	150	376	13.44	17.40	17.24				
20	QPSK	150	380	13.36	17.36	17.20				
20	QPSK	150	384	13.28	17.32	17.16				
20	QPSK	150	388	13.20	17.28	17.12				
20	QPSK	150	392	13.12	17.24	17.08				
20	QPSK	150	396	13.04	17.20	17.04				
20	QPSK	150	400	12.96	17.16	16.96				
20	QPSK	150	404	12.88	17.12	16.92				
20	QPSK	150	408	12.80	17.08	16.88				
20	QPSK	150	412	12.72	17.04	16.84				
20	QPSK	150	416	12.64	17.00	16.80				
20	QPSK	150	420	12.56	16.96	16.76				
20	QPSK	150	424	12.48	16.92	16.72				
20	QPSK	150	428	12.40	16.88	16.68				
20	QPSK	150	432	12.32	16.84	16.64				
20	QPSK	150	436	12.24	16.80	16.60				
20	QPSK	150	440	12.16	16.76	16.56				
20	QPSK	150	444	12.08	16.72	16.52				
20	QPSK	150	448	12.00	16.68	16.48				
20	QPSK	150	452	11.92	16.64	16.44				
20	QPSK	150	456	11.84	16.60	16.40				
20	QPSK	150	460	11.76	16.56	16.36				
20	QPSK	150	464	11.68	16.52	16.32				
20	QPSK	150	468	11.60	16.48	16.28				
20	QPSK	150	472	11.52	16.44	16.24				



Band 12 Default Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.51	22.62	22.50				
10	QPSK	1	25	22.40	22.42	22.48			24	0
10	QPSK	1	49	22.26	22.48	22.18				
10	QPSK	25	0	22.40	22.62	22.40				
10	16QAM	25	0	22.30	22.62	22.40			24	0
10	QPSK	25	25	22.29	22.32	22.24				
10	QPSK	50	0	22.34	22.41	22.37				
10	16QAM	50	0	22.41	22.41	22.33			24	0
10	16QAM	1	25	22.39	22.52	22.38				
10	16QAM	1	49	22.18	22.40	22.39				
10	16QAM	25	0	22.51	22.52	22.54				
10	16QAM	25	12	22.29	22.41	22.35			24	0
10	16QAM	25	25	22.27	22.36	22.36				
10	16QAM	50	0	22.40	22.52	22.38				
10	16QAM	50	0	22.40	22.44	22.34				
10	8QAM	1	25	22.39	22.41	22.52			24	0
10	8QAM	1	49	22.14	22.41	22.29				
10	8QAM	25	0	21.24	21.36	21.17				
10	8QAM	25	12	21.13	21.24	21.08			22.5	1.5
10	8QAM	25	25	21.03	21.36	21.04				
10	8QAM	50	0	21.25	21.30	21.19				
10	256QAM	1	25	19.32	19.60	19.46			21	3
10	256QAM	1	49	19.35	19.58	19.51				
10	256QAM	1	25	19.34	19.36	19.43				
10	256QAM	25	0	19.32	19.28	19.32			21	3
10	256QAM	25	25	19.12	19.28	19.19				
10	256QAM	50	0	19.26	19.27	19.20				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.43	22.48	22.39				
5	QPSK	1	24	22.30	22.42	22.40			24	0
5	QPSK	1	24	22.14	22.40	22.04				
5	QPSK	12	0	22.29	22.50	22.37				
5	QPSK	12	7	22.33	22.45	22.35			24	0
5	QPSK	12	13	22.24	22.28	22.17				
5	QPSK	25	0	22.22	22.27	22.12				
5	16QAM	1	24	22.35	22.48	22.38			24	0
5	16QAM	1	12	22.25	22.45	22.27				
5	16QAM	12	7	22.18	22.28	22.25			24	0
5	16QAM	12	13	22.12	22.43	22.51				
5	16QAM	25	0	22.37	22.43	22.23				
5	8QAM	1	0	22.25	22.39	22.29			24	0
5	8QAM	1	24	22.09	22.31	22.08				
5	8QAM	1	24	22.05	22.32	22.21				
5	8QAM	12	0	21.17	21.31	21.05			22.5	1.5
5	8QAM	12	13	21.02	20.92	20.89				
5	8QAM	25	0	21.13	21.16	21.16				
5	256QAM	1	12	19.20	19.43	19.48			21	3
5	256QAM	1	24	19.25	19.28	19.33				
5	256QAM	12	7	19.20	19.15	19.26			21	3
5	256QAM	12	13	19.02	19.20	19.12				
5	256QAM	25	0	19.20	19.22	19.10				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.41	22.54	22.18				
3	QPSK	1	14	22.11	22.43	22.08			24	0
3	QPSK	1	14	22.32	22.48	22.30				
3	QPSK	8	7	22.19	22.34	22.21			24	0
3	QPSK	8	7	22.21	22.18	22.11				
3	QPSK	16	0	22.30	22.37	22.27				
3	16QAM	1	0	22.26	22.39	22.46			24	0
3	16QAM	1	8	22.31	22.38	22.32				
3	16QAM	8	7	22.13	22.29	22.18			24	0
3	16QAM	8	0	22.37	22.41	22.40				
3	16QAM	8	4	22.18	22.33	22.29				
3	16QAM	15	0	22.36	22.39	22.25			24	0
3	8QAM	1	0	22.27	22.31	22.21			24	0
3	8QAM	1	8	22.34	22.33	22.28				
3	8QAM	1	14	22.06	22.28	22.20				
3	8QAM	8	0	21.32	21.27	21.02			22.5	1.5
3	8QAM	8	4	21.04	21.12	20.95				
3	8QAM	8	7	20.98	21.00	20.99				
3	8QAM	15	0	21.19	21.24	21.12			22.5	1.5
3	256QAM	1	0	19.20	19.45	19.41				
3	256QAM	1	8	19.27	19.51	19.37			21	3
3	256QAM	1	14	19.24	19.31	19.35				
3	256QAM	8	0	19.10	19.31	19.36			21	3
3	256QAM	8	4	19.24	19.15	19.17				
3	256QAM	8	7	19.09	19.23	19.09				
3	256QAM	15	0	19.20	19.28	19.12				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.41	22.54	22.18				
1.4	QPSK	1	3	22.35	22.28	22.27			24	0
1.4	QPSK	1	5	22.20	22.42	22.04				
1.4	QPSK	3	0	22.34	22.50	22.30				
1.4	QPSK	3	1	22.20	22.50	22.23				
1.4	QPSK	3	3	22.17	22.20	22.20			24	0
1.4	16QAM	1	0	22.33	22.34	22.32				
1.4	16QAM	1	3	22.32	22.40	22.40			24	0
1.4	16QAM	1	7	22.28	22.47	22.25				
1.4	16QAM	3	0	22.44	22.37	22.33				
1.4	16QAM	3	1	22.47	22.47	22.40			24	0
1.4	16QAM	3	1	22.26	22.31	22.25				
1.4	16QAM	3	3	22.17	22.32	22.25				
1.4	16QAM	6	0	22.26	22.43	22.38			24	0
1.4	8QAM	1	0	22.35	22.37	22.29				
1.4	8QAM	1	3	22.25	22.29	22.28			24	0
1.4	8QAM	1	5	22.01	22.33	22.19				
1.4	8QAM	3	0	22.38	22.36	22.40				
1.4	8QAM	3	0	22.16	22.32	22.22			22.5	1.5
1.4	8QAM	3	3	22.15	22.29	22.21				
1.4	256QAM	1	0	21.19	21.20	21.11			22.5	1.5
1.4	256QAM	1	0	19.26	19.57	19.36				
1.4	256QAM	1	3	19.22	19.56	19.47			21	3
1.4	256QAM	1	5	19.26	19.22	19.35				
1.4	256QAM	1	0	19.10	19.34	19.30			21	3
1.4	256QAM	3	1	19.21	19.18	19.19				
1.4	256QAM	3	0	19.08	19.20	19.14				
1.4	256QAM	3	0	19.17	19.25	19.09			21	3

Band 13 Default Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.53	22.53	22.53			24	0
10	QPSK	1	25	22.41	22.41	22.41				
10	QPSK	1	49	22.43	22.43	22.43				
10	QPSK	25	0	22.45	22.45	22.45			24	0
10	QPSK	25	12	22.40	22.40	22.40				
10	QPSK	25	25	22.26	22.26	22.26				
10	QPSK	50	0	22.32	22.32	22.32				
10	16QAM	1	25	22.47	22.47	22.47			24	0
10	16QAM	1	49	22.40	22.40	22.40				
10	16QAM	25	0	22.54	22.54	22.54				
10	16QAM	25	12	22.35	22.35	22.35			24	0
10	16QAM	25	25	22.28	22.28	22.28				
10	16QAM	50	0	22.45	22.45	22.45				
10	8QAM	1	25	22.42	22.42	22.42			24	0
10	8QAM	1	49	22.41	22.41	22.41				
10	8QAM	25	0	21.30	21.30	21.30				
10	8QAM	25	12	21.20	21.20	21.20			22.5	1.5
10	8QAM	25	25	21.26	21.26	21.26				
10	8QAM	50	0	21.28	21.28	21.28				
10	256QAM	1	25	19.49	19.49	19.49			21	3
10	256QAM	1	49	19.30	19.30	19.30				
10	2									



Band 25 Default Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Hsp./F.Freq.	Power Hpt./F.Freq.	Turn-up time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.18	23.22	23.31				
20	QPSK	1	49	23.00	23.13	23.03	24	0		
20	QPSK	1	99	23.18	23.23	23.19				
20	QPSK	50	0	23.18	23.23	23.19				
20	QPSK	50	24	23.03	23.14	23.04	24	0		
20	QPSK	50	49	23.03	23.08	23.05				
20	QPSK	100	0	23.11	23.22	23.15				
20	QPSK	100	24	23.13	23.23	23.14	24	0		
20	QPSK	100	49	23.05	23.14	23.07				
20	QPSK	150	0	23.09	23.20	23.07				
20	QPSK	150	24	23.04	23.21	23.05	24	0		
20	QPSK	150	49	22.94	23.05	22.97				
20	QPSK	200	0	22.96	23.15	22.96				
20	QPSK	200	24	22.84	23.09	22.90	24	0		
20	QPSK	200	49	22.92	23.02	22.95				
20	QPSK	250	0	22.90	23.00	22.90				
20	QPSK	250	24	22.90	23.04	22.91	23	1		
20	QPSK	250	49	22.84	22.95	22.87				
20	QPSK	300	0	22.86	22.96	22.86				
20	QPSK	300	24	22.76	22.84	22.77	23	1		
20	QPSK	300	49	22.82	22.92	22.82				
20	QPSK	350	0	22.84	22.94	22.84				
20	QPSK	350	24	22.74	22.84	22.74	24	0		
20	QPSK	350	49	22.80	22.90	22.80				
20	QPSK	400	0	22.76	22.86	22.76				
20	QPSK	400	24	22.66	22.76	22.66	24	0		
20	QPSK	400	49	22.72	22.82	22.72				
20	QPSK	450	0	22.74	22.84	22.74				
20	QPSK	450	24	22.64	22.74	22.64	24	0		
20	QPSK	450	49	22.70	22.80	22.70				
20	QPSK	500	0	22.66	22.76	22.66				
20	QPSK	500	24	22.56	22.66	22.56	23	1		
20	QPSK	500	49	22.62	22.72	22.62				
20	QPSK	550	0	22.64	22.74	22.64				
20	QPSK	550	24	22.54	22.64	22.54	24	0		
20	QPSK	550	49	22.60	22.70	22.60				
20	QPSK	600	0	22.56	22.66	22.56				
20	QPSK	600	24	22.46	22.56	22.46	24	0		
20	QPSK	600	49	22.52	22.62	22.52				
20	QPSK	650	0	22.54	22.64	22.54				
20	QPSK	650	24	22.44	22.54	22.44	24	0		
20	QPSK	650	49	22.50	22.60	22.50				
20	QPSK	700	0	22.46	22.56	22.46				
20	QPSK	700	24	22.36	22.46	22.36	24	0		
20	QPSK	700	49	22.42	22.52	22.42				
20	QPSK	750	0	22.44	22.54	22.44				
20	QPSK	750	24	22.34	22.44	22.34	24	0		
20	QPSK	750	49	22.40	22.50	22.40				
20	QPSK	800	0	22.36	22.46	22.36				
20	QPSK	800	24	22.26	22.36	22.26	24	0		
20	QPSK	800	49	22.32	22.42	22.32				
20	QPSK	850	0	22.34	22.44	22.34				
20	QPSK	850	24	22.24	22.34	22.24	24	0		
20	QPSK	850	49	22.30	22.40	22.30				
20	QPSK	900	0	22.26	22.36	22.26				
20	QPSK	900	24	22.16	22.26	22.16	24	0		
20	QPSK	900	49	22.22	22.32	22.22				
20	QPSK	950	0	22.24	22.34	22.24				
20	QPSK	950	24	22.14	22.24	22.14	24	0		
20	QPSK	950	49	22.20	22.30	22.20				
20	QPSK	1000	0	22.16	22.26	22.16				
20	QPSK	1000	24	22.06	22.16	22.06	24	0		
20	QPSK	1000	49	22.12	22.22	22.12				
20	QPSK	1050	0	22.14	22.24	22.14				
20	QPSK	1050	24	22.04	22.14	22.04	24	0		
20	QPSK	1050	49	22.10	22.20	22.10				
20	QPSK	1100	0	22.06	22.16	22.06				
20	QPSK	1100	24	21.96	22.06	21.96	24	0		
20	QPSK	1100	49	22.02	22.12	22.02				
20	QPSK	1150	0	22.04	22.14	22.04				
20	QPSK	1150	24	21.94	22.04	21.94	24	0		
20	QPSK	1150	49	22.00	22.10	22.00				
20	QPSK	1200	0	21.96	22.06	21.96				
20	QPSK	1200	24	21.86	21.96	21.86	24	0		
20	QPSK	1200	49	21.92	22.02	21.92				
20	QPSK	1250	0	21.94	22.04	21.94				
20	QPSK	1250	24	21.84	21.94	21.84	24	0		
20	QPSK	1250	49	21.90	22.00	21.90				
20	QPSK	1300	0	21.86	21.96	21.86				
20	QPSK	1300	24	21.76	21.86	21.76	24	0		
20	QPSK	1300	49	21.82	21.92	21.82				
20	QPSK	1350	0	21.84	21.94	21.84				
20	QPSK	1350	24	21.74	21.84	21.74	24	0		
20	QPSK	1350	49	21.80	21.90	21.80				
20	QPSK	1400	0	21.76	21.86	21.76				
20	QPSK	1400	24	21.66	21.76	21.66	24	0		
20	QPSK	1400	49	21.72	21.82	21.72				
20	QPSK	1450	0	21.74	21.84	21.74				
20	QPSK	1450	24	21.64	21.74	21.64	24	0		
20	QPSK	1450	49	21.70	21.80	21.70				
20	QPSK	1500	0	21.66	21.76	21.66				
20	QPSK	1500	24	21.56	21.66	21.56	24	0		
20	QPSK	1500	49	21.62	21.72	21.62				
20	QPSK	1550	0	21.64	21.74	21.64				
20	QPSK	1550	24	21.54	21.64	21.54	24	0		
20	QPSK	1550	49	21.60	21.70	21.60				
20	QPSK	1600	0	21.56	21.66	21.56				
20	QPSK	1600	24	21.46	21.56	21.46	24	0		
20	QPSK	1600	49	21.52	21.62	21.52				
20	QPSK	1650	0	21.54	21.64	21.54				
20	QPSK	1650	24	21.44	21.54	21.44	24	0		
20	QPSK	1650	49	21.50	21.60	21.50				
20	QPSK	1700	0	21.46	21.56	21.46				
20	QPSK	1700	24	21.36	21.46	21.36	24	0		
20	QPSK	1700	49	21.42	21.52	21.42				
20	QPSK	1750	0	21.44	21.54	21.44				
20	QPSK	1750	24	21.34	21.44	21.34	24	0		
20	QPSK	1750	49	21.40	21.50	21.40				
20	QPSK	1800	0	21.36	21.46	21.36				
20	QPSK	1800	24	21.26	21.36	21.26	24	0		
20	QPSK	1800	49	21.32	21.42	21.32				
20	QPSK	1850	0	21.34	21.44	21.34				
20	QPSK	1850	24	21.24	21.34	21.24	24	0		
20	QPSK	1850	49	21.30	21.40	21.30				
20	QPSK	1900	0	21.26	21.36	21.26				
20	QPSK	1900	24	21.16	21.26	21.16	24	0		
20	QPSK	1900	49	21.22	21.32	21.22				
20	QPSK	1950	0	21.24	21.34	21.24				
20	QPSK	1950	24	21.14	21.24	21.14	24	0		
20	QPSK	1950	49	21.20	21.30	21.20				
20	QPSK	2000	0	21.16	21.26	21.16				
20	QPSK	2000	24	21.06	21.16	21.06	24	0		
20	QPSK	2000	49	21.12	21.22	21.12				
20	QPSK	2050	0	21.14	21.24	21.14				
20	QPSK	2050	24	21.04	21.14	21.04	24	0		
20	QPSK	2050	49	21.10	21.20	21.10				
20	QPSK	2100	0	21.06	21.16	21.				



Band 38 DS16_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPS (dB)
Channel								
38760 38900 38190								
Frequency (MHz)								
20	QPSK	1	0	21.66	21.72	21.58	22	0
20	QPSK	1	49	21.61	21.68	21.55		
20	QPSK	50	0	21.51	21.67	21.54		
20	QPSK	50	24	21.48	21.63	21.44		
20	QPSK	100	0	21.51	21.65	21.52		
20	16QAM	1	0	21.46	21.49	21.38		
20	16QAM	1	49	21.56	21.64	21.63		
20	16QAM	1	99	21.42	21.60	21.47		
20	16QAM	50	0	21.55	21.62	21.53		
20	16QAM	50	24	21.58	21.63	21.53		
20	16QAM	50	50	21.51	21.58	21.54		
20	16QAM	100	0	21.59	21.69	21.67		
20	16QAM	1	0	21.46	21.48	21.34		
20	16QAM	1	49	21.38	21.57	21.39		
20	16QAM	1	99	21.38	21.57	21.54		
20	16QAM	50	0	20.83	20.75	20.59		
20	16QAM	50	24	20.49	20.58	20.59		
20	16QAM	100	0	20.45	20.51	20.54		
20	25QAM	1	0	18.57	18.78	18.59		
20	25QAM	1	49	18.46	18.78	18.59		
20	25QAM	1	99	18.46	18.58	18.55		
20	25QAM	50	0	18.62	18.77	18.61		
20	25QAM	50	24	18.56	18.62	18.54		
20	25QAM	50	50	18.45	18.56	18.48		
20	25QAM	100	0	18.51	18.72	18.59		
Channel								
31524 31600 31735								
Frequency (MHz)								
15	QPSK	1	0	21.773	21.95	21.23	22	0
15	QPSK	1	37	21.58	21.55	21.49		
15	QPSK	1	74	21.45	21.58	21.57		
15	QPSK	36	0	21.37	21.67	21.45		
15	QPSK	36	20	21.33	21.38	21.40		
15	QPSK	36	39	21.52	21.59	21.48		
15	QPSK	75	0	21.46	21.53	21.41		
15	16QAM	1	0	21.34	21.45	21.34		
15	16QAM	1	37	21.49	21.56	21.46		
15	16QAM	1	74	21.37	21.55	21.43		
15	16QAM	36	0	21.43	21.48	21.40		
15	16QAM	36	20	21.43	21.39	21.45		
15	16QAM	36	39	21.45	21.47	21.41		
15	16QAM	75	0	21.40	21.49	21.47		
15	16QAM	1	0	21.38	21.38	21.21		
15	16QAM	1	37	21.24	21.43	21.34		
15	16QAM	1	74	21.35	21.50	21.50		
15	16QAM	36	0	20.55	20.69	20.52		
15	16QAM	36	20	20.45	20.47	20.45		
15	16QAM	36	39	20.38	20.47	20.47		
15	16QAM	75	0	20.48	20.48	20.43		
15	25QAM	1	0	18.45	18.70	18.53		
15	25QAM	1	37	18.48	18.62	18.45		
15	25QAM	1	74	18.39	18.44	18.47		
15	25QAM	36	0	18.58	18.72	18.59		
15	25QAM	36	20	18.50	18.51	18.44		
15	25QAM	36	39	18.33	18.46	18.43		
15	25QAM	75	0	18.50	18.64	18.47		
Channel								
25773 25955 26115								
Frequency (MHz)								
10	QPSK	1	0	21.57	21.64	21.52	22	0
10	QPSK	1	49	21.58	21.63	21.43		
10	QPSK	1	99	21.50	21.53	21.54		
10	QPSK	24	0	21.41	21.50	21.47		
10	QPSK	24	12	21.41	21.47	21.35		
10	QPSK	25	25	21.43	21.56	21.48		
10	QPSK	50	0	21.44	21.52	21.48		
10	16QAM	1	0	21.41	21.38	21.32		
10	16QAM	1	25	21.42	21.49	21.52		
10	16QAM	1	49	21.39	21.54	21.38		
10	16QAM	25	0	21.46	21.58	21.47		
10	16QAM	25	12	21.44	21.41	21.46		
10	16QAM	25	24	21.42	21.48	21.40		
10	16QAM	50	0	21.48	21.57	21.46		
10	16QAM	1	0	21.40	21.34	21.30		
10	16QAM	1	25	21.23	21.50	21.24		
10	16QAM	1	49	21.33	21.42	21.42		
10	16QAM	25	0	20.54	20.66	20.51		
10	16QAM	25	12	20.36	20.48	20.52		
10	16QAM	25	25	20.37	20.39	20.47		
10	16QAM	50	0	20.41	20.48	20.36		
10	25QAM	1	0	18.50	18.67	18.51		
10	25QAM	1	25	18.50	18.72	18.45		
10	25QAM	1	49	18.34	18.51	18.45		
10	25QAM	25	0	18.51	18.67	18.67		
10	25QAM	25	12	18.45	18.57	18.44		
10	25QAM	25	25	18.32	18.50	18.36		
10	25QAM	50	0	18.49	18.67	18.49		
Channel								
26975 26995 26975								
Frequency (MHz)								
5	QPSK	1	0	21.56	21.61	21.49	22	0
5	QPSK	1	12	21.54	21.55	21.41		
5	QPSK	1	24	21.50	21.60	21.50		
5	QPSK	12	0	21.38	21.50	21.45		
5	QPSK	12	7	21.37	21.38	21.30		
5	QPSK	12	13	21.46	21.49	21.38		
5	QPSK	25	0	21.41	21.52	21.45		
5	16QAM	1	0	21.41	21.38	21.33		
5	16QAM	1	12	21.51	21.50	21.45		
5	16QAM	1	24	21.39	21.51	21.44		
5	16QAM	12	0	21.43	21.47	21.42		
5	16QAM	12	7	21.48	21.39	21.43		
5	16QAM	12	13	21.43	21.45	21.45		
5	16QAM	25	0	21.40	21.57	21.52		
5	16QAM	1	0	21.40	21.34	21.23		
5	16QAM	1	12	21.29	21.63	21.25		
5	16QAM	1	24	21.34	21.45	21.47		
5	16QAM	12	0	20.51	20.68	20.54		
5	16QAM	12	7	20.42	20.54	20.55		
5	16QAM	12	13	20.40	20.40	20.44		
5	16QAM	25	0	20.40	20.50	20.44		
5	25QAM	1	0	18.53	18.74	18.53		
5	25QAM	1	12	18.41	18.74	18.51		
5	25QAM	1	24	18.41	18.47	18.40		
5	25QAM	12	0	18.54	18.67	18.58		
5	25QAM	12	7	18.50	18.49	18.48		
5	25QAM	12	13	18.39	18.43	18.41		
5	25QAM	25	0	18.48	18.61	18.48		

Band 41 PC3 FCC&IC Default Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPS (dB)
Channel								
39790 40185 40620 41055 41490								
Frequency (MHz)								
20	QPSK	1	0	21.04	21.13	21.01	22	0
20	QPSK	1	49	20.89	20.84	21.02		
20	QPSK	1	99	20.87	20.86	20.86		
20	QPSK	50	0	20.81	20.77	21.06		
20	QPSK	50	24	20.91	20.77	20.74		
20	QPSK	100	0	20.82	20.78	20.85		
20	QPSK	100	0	20.71	20.52	20.42		
20	16QAM	1	0	20.81	20.80	20.89		
20	16QAM	1	49	20.71	20.52	20.77		
20	16QAM	1	99	20.88	20.77	20.86		
20	16QAM	50	0	20.75	20.85	20.87		
20	16QAM	50	24	20.88	20.71	20.70		
20	16QAM	50	50	20.55	20.60	20.67		
20	16QAM	100	0	20.78	20.88	20.56		
20	16QAM	100	0	20.78	20.79	20.84		
20	16QAM	1	0	20.77	20.72	20.73		
20	16QAM	1	49	20.61	20.57	20.67		
20	16QAM	1	99	20.61	20.57	20.67		
20	16QAM	50	0	20.57	20.47	20.44		
20	16QAM	50	24	20.40	20.36	20.45		
20	16QAM	50	50	20.30	20.35	20.43		
20	16QAM	100	0	20.41	20.52	20.45		
20	25QAM	1	0	18.58	18.51	18.67		
20	25QAM	1	49	18.52	18.67	18.52		
20	25QAM	1	99	18.46	18.38	18.50		
20	25QAM	50	0	18.62	18.54	18.68		
20	25QAM	50	24	18.34	18.48	18.37		
20	25QAM	50	50	18.30	18.40	18.40		
20	25QAM	100	0	18.48	18.72	18.58		
Channel								
39795 40173 40620 41068 41515								
Frequency (MHz)								
15	QPSK	1	0	21.03	21.02	21.14	22	0
15	QPSK	1	37	20.85	20.71	20.91		
15	QPSK	1	74	20.74	20.62	20.74		
15	QPSK	36	0	20.89	20.82	20.86		
15	QPSK	36	20	20.89	20.72	20.70		
15	QPSK	36	39	20.78	20.66	20.78		
15	QPSK	75	0	20.88	20.40	20.88		
15	16QAM	1	0	20.77	20.73	20.78		
15	16QAM	1	37	20.56	20.71	20.56		
15	16QAM	1	74	20.50	20.73	20.43		
15	16QAM	36	0	20.72	20.84	20.72		
15	16QAM	36	20	20.58	20.65	20.65		
15	16QAM	36	39	20.45	20.48	20.53		
15	16QAM	75	0	20.69	20.54	20.74		
15	16QAM	1	0	20.65	20.68	20.72		
15	16QAM	1	37	20.74	20.63	20.65		
15	16QAM	1	74	20.58	20.55	20.59		
15	16QAM	36	0	20.50	20.38	20.49		
15	16QAM	36	20					



Band 41 PC2 FCC&IC DS16_Simultaneous Ant 2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Mod Ch / Freq	Power High Mod Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up Int (dBm)	MPR (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.66	22.81	22.67	22.82	22.68	22.87	23.6	0
20	QPSK	1	49	22.59	22.85	22.62	22.79	22.87	22.87	23.6	0
20	QPSK	50	0	22.57	22.87	22.75	22.78	22.79	22.87	23.6	0
20	QPSK	50	24	22.57	22.83	22.86	22.38	22.83	22.83	23.6	0
20	QPSK	100	0	22.35	22.53	22.50	22.58	22.60	22.60	23.6	0
20	16QAM	1	0	22.48	22.76	22.85	22.74	22.83	22.83	23.6	0
20	16QAM	1	49	22.44	22.72	22.74	22.52	22.74	22.74	23.6	0
20	16QAM	1	99	22.49	22.54	22.75	22.51	22.58	22.58	23.6	0
20	16QAM	50	0	22.41	22.50	22.83	22.68	22.48	22.48	23.6	0
20	16QAM	50	24	22.37	22.54	22.52	22.49	22.59	22.59	23.6	0
20	16QAM	50	50	22.42	22.27	22.45	22.43	22.38	22.38	23.6	0
20	16QAM	100	0	22.39	22.49	22.55	22.38	22.57	22.57	23.6	0
20	16QAM	100	0	22.39	22.51	22.78	22.34	22.56	22.56	23.6	0
20	16QAM	1	49	22.74	22.70	22.79	22.85	22.75	22.75	23.6	0
20	16QAM	1	99	22.69	22.65	22.86	22.83	22.66	22.66	23.6	0
20	16QAM	50	0	22.42	22.44	22.87	22.58	22.51	22.51	23.6	0
20	16QAM	50	24	22.35	22.42	22.48	22.49	22.43	22.43	23.6	0
20	16QAM	50	50	22.38	22.41	22.45	22.47	22.46	22.46	23.6	0
20	16QAM	100	0	22.48	22.38	22.82	22.65	22.63	22.63	23.6	0
20	25QAM	1	0	21.69	21.81	21.96	21.76	21.81	21.81	23	0.6
20	25QAM	1	49	21.69	21.78	21.96	21.78	21.81	21.81	23	0.6
20	25QAM	1	99	21.62	21.68	21.73	21.75	21.64	21.64	23	0.6
20	25QAM	50	0	21.58	21.58	21.58	21.60	21.67	21.67	23	0.6
20	25QAM	50	24	21.39	21.53	21.59	21.59	21.59	21.59	23	0.6
20	25QAM	50	50	21.38	21.51	21.54	21.48	21.43	21.43	23	0.6
20	25QAM	100	0	21.44	21.53	21.53	21.53	21.53	21.53	23	0.6
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.22	22.14	22.12	22.25	22.25	22.25	23.6	0
15	QPSK	1	37	22.53	22.45	22.49	22.69	22.75	22.75	23.6	0
15	QPSK	1	74	22.36	22.49	22.71	22.48	22.72	22.72	23.6	0
15	QPSK	36	0	22.46	22.68	22.71	22.53	22.68	22.68	23.6	0
15	QPSK	36	20	22.44	22.55	22.87	22.33	22.52	22.52	23.6	0
15	QPSK	36	39	22.39	22.37	22.39	22.49	22.23	22.23	23.6	0
15	QPSK	36	50	22.26	22.39	22.52	22.49	22.24	22.24	23.6	0
15	16QAM	1	0	22.39	22.63	22.72	22.60	22.54	22.54	23.6	0
15	16QAM	1	37	22.70	22.70	22.70	22.62	22.64	22.64	23.6	0
15	16QAM	1	74	22.35	22.48	22.69	22.48	22.55	22.55	23.6	0
15	16QAM	36	0	22.38	22.44	22.59	22.65	22.41	22.41	23.6	0
15	16QAM	36	20	22.33	22.42	22.58	22.59	22.39	22.39	23.6	0
15	16QAM	36	39	22.38	22.18	22.37	22.40	22.25	22.25	23.6	0
15	16QAM	75	0	22.24	22.35	22.53	22.22	22.51	22.51	23.6	0
15	16QAM	75	0	22.27	22.81	22.81	22.81	22.81	22.81	23.6	0
15	16QAM	1	37	22.69	22.81	22.86	22.80	22.68	22.68	23.6	0
15	16QAM	1	74	22.68	22.85	22.86	22.77	22.59	22.59	23.6	0
15	16QAM	36	0	22.38	22.37	22.54	22.49	22.38	22.38	23.6	0
15	16QAM	36	20	22.32	22.33	22.38	22.45	22.33	22.33	23.6	0
15	16QAM	36	39	22.28	22.24	22.24	22.24	22.24	22.24	23.6	0
15	16QAM	75	0	22.38	22.26	22.55	22.52	22.52	22.52	23.6	0
15	25QAM	1	0	21.64	21.83	21.82	21.70	21.66	21.66	23	0.6
15	25QAM	1	37	21.53	21.64	21.84	21.71	21.63	21.63	23	0.6
15	25QAM	1	74	21.48	21.61	21.62	21.50	21.52	21.52	23	0.6
15	25QAM	36	0	21.50	21.54	21.68	21.59	21.61	21.61	23	0.6
15	25QAM	36	20	21.33	21.44	21.44	21.38	21.38	21.38	23	0.6
15	25QAM	36	39	21.30	21.44	21.51	21.44	21.38	21.38	23	0.6
15	25QAM	75	0	21.40	21.54	21.67	21.50	21.58	21.58	23	0.6
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.58	22.70	22.87	22.62	22.78	22.78	23.6	0
10	QPSK	1	19	22.56	22.47	22.55	22.51	22.74	22.74	23.6	0
10	QPSK	1	49	22.41	22.50	22.59	22.49	22.71	22.71	23.6	0
10	QPSK	25	0	22.58	22.58	22.58	22.58	22.58	22.58	23.6	0
10	QPSK	25	12	22.50	22.59	22.58	22.28	22.60	22.60	23.6	0
10	QPSK	25	25	22.46	22.48	22.38	22.41	22.19	22.19	23.6	0
10	16QAM	1	0	22.24	22.48	22.57	22.51	22.49	22.49	23.6	0
10	16QAM	1	0	22.40	22.73	22.72	22.72	22.50	22.50	23.6	0
10	16QAM	1	25	22.30	22.69	22.67	22.47	22.61	22.61	23.6	0
10	16QAM	1	49	22.41	22.41	22.61	22.44	22.56	22.56	23.6	0
10	16QAM	25	0	22.33	22.47	22.59	22.62	22.45	22.45	23.6	0
10	16QAM	25	12	22.29	22.42	22.47	22.36	22.46	22.46	23.6	0
10	16QAM	25	25	22.38	22.18	22.41	22.32	22.32	22.32	23.6	0
10	16QAM	50	0	22.25	22.38	22.44	22.30	22.48	22.48	23.6	0
10	16QAM	50	0	22.61	22.81	22.71	22.67	22.69	22.69	23.6	0
10	16QAM	1	25	22.63	22.86	22.74	22.77	22.65	22.65	23.6	0
10	16QAM	1	49	22.60	22.81	22.91	22.78	22.55	22.55	23.6	0
10	16QAM	25	0	22.36	22.34	22.63	22.44	22.42	22.42	23.6	0
10	16QAM	25	12	22.26	22.33	22.35	22.44	22.32	22.32	23.6	0
10	16QAM	25	25	22.29	22.34	22.32	22.27	22.39	22.39	23.6	0
10	16QAM	50	0	22.45	22.29	22.69	22.59	22.59	22.59	23.6	0
10	25QAM	1	0	21.58	21.70	21.81	21.68	21.69	21.69	23	0.6
10	25QAM	1	25	21.68	21.83	21.88	21.75	21.67	21.67	23	0.6
10	25QAM	1	49	21.48	21.64	21.68	21.59	21.61	21.61	23	0.6
10	25QAM	25	0	21.43	21.50	21.61	21.50	21.56	21.56	23	0.6
10	25QAM	25	12	21.29	21.42	21.41	21.37	21.46	21.46	23	0.6
10	25QAM	25	25	21.29	21.37	21.41	21.43	21.30	21.30	23	0.6
10	25QAM	50	0	21.35	21.48	21.59	21.58	21.55	21.55	23	0.6
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.54	22.70	22.89	22.53	22.78	22.78	23.6	0
5	QPSK	1	19	22.55	22.49	22.69	22.51	22.81	22.81	23.6	0
5	QPSK	1	24	22.35	22.54	22.69	22.44	22.72	22.72	23.6	0
5	QPSK	12	0	22.45	22.58	22.68	22.53	22.70	22.70	23.6	0
5	QPSK	12	7	22.49	22.68	22.53	22.34	22.54	22.54	23.6	0
5	QPSK	12	19	22.48	22.39	22.29	22.45	22.20	22.20	23.6	0
5	QPSK	25	0	22.23	22.50	22.57	22.51	22.47	22.47	23.6	0
5	QPSK	1	0	22.45	22.69	22.77	22.68	22.55	22.55	23.6	0
5	16QAM	1	12	22.39	22.83	22.82	22.39	22.69	22.69	23.6	0
5	16QAM	1	24	22.37	22.43	22.75	22.43	22.56	22.56	23.6	0
5	16QAM	12	0	22.29	22.41	22.51	22.55	22.44	22.44	23.6	0
5	16QAM	12	7	22.27	22.50	22.49	22.35	22.36	22.36	23.6	0
5	16QAM	12	19	22.30	22.15	22.33	22.27	22.28	22.28	23.6	0
5	16QAM	25	0	22.19	22.46	22.52	22.33	22.43	22.43	23.6	0
5	16QAM	1	0	22.50	22.79	22.75	22.69	22.84	22.84	23.6	0
5	16QAM	1	12	22.69	22.68	22.67	2				



OSM 160 Ase 1				0				
TX Channel	Beam Average Power (dBm)			TX Power	Frame Average Power (dBm)			TotAvg LPR
Frequency (MHz)	812	861	810	Limit	812	861	810	Limit
OSM 1 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OPNS 1 Tx W#1	29.52	29.61	29.49	30.00	29.52	29.61	29.49	30.00
OPNS 2 Tx W#1	29.05	29.12	29.97	30.00	29.05	29.12	29.97	30.00
OPNS 3 Tx W#1	29.70	29.78	29.86	30.00	29.70	29.78	29.86	30.00
OPNS 4 Tx W#1	29.14	29.27	29.40	30.00	29.14	29.27	29.40	30.00
EDGE 1 Tx W#1	29.06	29.13	29.99	30.00	29.06	29.13	29.99	30.00
EDGE 2 Tx W#1	29.33	29.43	29.49	30.00	29.33	29.43	29.49	30.00
EDGE 3 Tx W#1	29.21	29.25	29.20	30.00	29.21	29.25	29.20	30.00
EDGE 4 Tx W#1	29.13	29.18	29.08	30.00	29.13	29.18	29.08	30.00

WCDMA 1 Ase 1				WCDMA 1 Ase 2				
TX Channel	WCDMA II			TX Power	WCDMA IV			TotAvg LPR
Frequency (MHz)	980	980	980	Limit	1512	1513	1513	Limit
OSM 1 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 2 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 3 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 4 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 5 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 6 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 7 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 8 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 9 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 10 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 11 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 12 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 13 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 14 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 15 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 16 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 17 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 18 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 19 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00
OSM 20 Tx W#1	29.56	29.68	29.63	30.00	29.56	29.68	29.63	30.00



Band 2 Default Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up (min)	MPE (dB)		
Channel										
1860 1860 1900										
20	QPSK	1	0	22.66	22.72	22.76				
20	QPSK	1	49	22.66	22.72	22.76	24	0		
20	QPSK	1	99	22.45	22.58	22.63				
20	QPSK	50	0	22.49	22.67	22.63				
20	QPSK	50	24	22.45	22.58	22.63	24	0		
20	QPSK	50	50	22.38	22.47	22.38				
20	QPSK	100	0	22.45	22.60	22.41				
20	16QAM	50	0	22.40	22.46	22.46				
20	16QAM	1	49	22.38	22.45	22.41	24	0		
20	16QAM	1	99	22.33	22.44	22.37				
20	16QAM	50	0	22.38	22.47	22.44				
20	16QAM	50	24	22.38	22.37	22.31				
20	16QAM	50	50	22.32	22.38	22.31				
20	16QAM	100	0	22.38	22.49	22.32				
20	84QAM	1	0	22.29	22.47	22.31				
20	84QAM	1	49	22.29	22.29	22.29	24	0		
20	84QAM	50	0	22.28	22.48	22.32				
20	84QAM	50	24	22.28	22.34	22.34				
20	84QAM	50	50	22.26	22.38	22.31				
20	84QAM	100	0	22.42	22.46	22.38				
20	256QAM	1	0	19.47	19.65	19.48				
20	256QAM	1	49	19.51	19.45	19.45	21	3		
20	256QAM	1	99	19.38	19.43	19.33				
20	256QAM	50	0	19.37	19.38	19.38				
20	256QAM	50	24	19.33	19.39	19.39	21	3		
20	256QAM	50	50	19.25	19.35	19.32				
20	256QAM	100	0	19.43	19.39	19.39				
Channel										
1875 1890 1925										
15	QPSK	1	0	22.60	22.68	22.61				
15	QPSK	1	37	22.42	22.49	22.49	24	0		
15	QPSK	1	74	22.40	22.49	22.46				
15	QPSK	36	0	22.42	22.59	22.47				
15	QPSK	36	29	22.30	22.51	22.39				
15	QPSK	36	39	22.31	22.39	22.29				
15	QPSK	75	0	22.34	22.56	22.44				
15	QPSK	75	0	22.30	22.52	22.42				
15	16QAM	1	37	22.24	22.41	22.29	24	0		
15	16QAM	1	74	22.24	22.41	22.29				
15	16QAM	36	0	22.20	22.41	22.34				
15	16QAM	36	29	22.12	22.27	22.28	24	0		
15	16QAM	36	39	22.20	22.41	22.34				
15	16QAM	75	0	22.26	22.44	22.37				
15	84QAM	1	0	22.17	22.37	22.21				
15	84QAM	1	37	22.14	22.33	22.28				
15	84QAM	36	0	22.14	22.33	22.28				
15	84QAM	36	29	22.03	22.30	22.17	24	0		
15	84QAM	36	39	22.20	22.30	22.17				
15	84QAM	75	0	22.28	22.34	22.29				
15	256QAM	1	0	19.35	19.35	19.35				
15	256QAM	1	37	19.39	19.30	19.40	21	3		
15	256QAM	1	74	19.33	19.30	19.38				
15	256QAM	36	0	19.37	19.37	19.37				
15	256QAM	36	29	19.23	19.25	19.26	21	3		
15	256QAM	36	39	19.14	19.23	19.20				
15	256QAM	75	0	19.38	19.31	19.42				
Channel										
1890 1890 1925										
10	QPSK	1	0	22.60	22.68	22.61				
10	QPSK	1	25	22.46	22.54	22.50	24	0		
10	QPSK	1	49	22.34	22.52	22.43				
10	QPSK	12	0	22.37	22.50	22.43				
10	QPSK	25	12	22.37	22.50	22.43	24	0		
10	QPSK	25	25	22.27	22.33	22.27				
10	16QAM	1	0	22.30	22.40	22.30				
10	16QAM	1	0	22.28	22.49	22.37				
10	16QAM	1	28	22.24	22.33	22.30	24	0		
10	16QAM	1	49	22.24	22.33	22.30				
10	16QAM	25	0	22.27	22.40	22.34				
10	16QAM	25	12	22.32	22.33	22.22	24	0		
10	16QAM	25	12	22.21	22.38	22.28				
10	16QAM	50	0	22.25	22.43	22.28				
10	84QAM	1	0	22.21	22.43	22.16				
10	84QAM	1	28	22.17	22.34	22.24	24	0		
10	84QAM	1	49	22.13	22.22	22.13				
10	84QAM	25	0	22.23	22.45	22.21				
10	84QAM	25	12	22.10	22.29	22.21	24	0		
10	84QAM	25	25	22.20	22.29	22.20				
10	84QAM	50	0	22.37	22.34	22.25				
10	256QAM	1	0	19.38	19.45	19.41				
10	256QAM	1	28	19.38	19.37	19.34	21	3		
10	256QAM	1	49	19.27	19.31	19.27				
10	256QAM	12	0	19.25	19.45	19.45				
10	256QAM	25	12	19.28	19.36	19.36	21	3		
10	256QAM	25	25	19.14	19.28	19.19				
10	256QAM	50	0	19.33	19.34	19.40				
Channel										
1895 1890 1925										
5	QPSK	1	0	22.63	22.61	22.61				
5	QPSK	1	12	22.39	22.54	22.46	24	0		
5	QPSK	1	24	22.38	22.51	22.49				
5	QPSK	12	0	22.34	22.44	22.44				
5	QPSK	12	7	22.34	22.45	22.41	24	0		
5	QPSK	12	13	22.30	22.39	22.33				
5	QPSK	25	0	22.34	22.52	22.32				
5	16QAM	1	0	22.31	22.45	22.33				
5	16QAM	1	12	22.31	22.42	22.28	24	0		
5	16QAM	1	24	22.19	22.33	22.20				
5	16QAM	12	0	22.33	22.46	22.32				
5	16QAM	12	7	22.24	22.23	22.28	24	0		
5	16QAM	12	13	22.23	22.28	22.20				
5	16QAM	25	0	22.29	22.46	22.33				
5	84QAM	1	0	22.20	22.41	22.32				
5	84QAM	1	12	22.17	22.29	22.20	24	0		
5	84QAM	1	24	22.20	22.24	22.23				
5	84QAM	12	0	22.14	22.40	22.16				
5	84QAM	12	7	22.23	22.23	22.28	24	0		
5	84QAM	12	13	22.14	22.20	22.15				
5	84QAM	25	0	22.37	22.38	22.27				
5	256QAM	1	0	19.37	19.39	19.38				
5	256QAM	1	12	19.43	19.52	19.42	21	3		
5	256QAM	1	24	19.26	19.33	19.29				
5	256QAM	12	0	19.26	19.45	19.45				
5	256QAM	12	7	19.28	19.33	19.25	21	3		
5	256QAM	12	13	19.13	19.29	19.28				
5	256QAM	25	0	19.29	19.39	19.46				
Channel										
1865 1860 1925										
3	QPSK	1	0	22.51	22.66	22.55				
3	QPSK	1	8	22.37	22.51	22.45	24	0		
3	QPSK	1	14	22.39	22.51	22.41				
3	QPSK	8	0	22.43	22.58	22.44				
3	QPSK	8	4	22.39	22.42	22.43	24	0		
3	QPSK	8	7	22.36	22.33	22.34				
3	QPSK	15	0	22.34	22.48	22.32				
3	16QAM	1	0	22.32	22.53	22.41				
3	16QAM	1	8	22.28	22.36	22.33	24	0		
3	16QAM	1	14	22.19	22.30	22.20				
3	16QAM	8	0	22.28	22.43	22.34				
3	16QAM	8	4	22.31	22.31	22.27				
3	16QAM	8	7	22.22	22.27	22.20	24	0		
3	16QAM	15	0	22.34	22.44	22.28				
3	84QAM	1	0	22.23	22.49	22.40				
3	84QAM	1	8	22.22	22.18	22.21	24	0		
3	84QAM	1	14	22.10	22.22	22.22				



Band 25 Default Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up (min)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.60	22.76	22.72	24	0		
20	QPSK	1	48	22.60	22.76	22.72				
20	QPSK	1	96	22.36	22.58	22.35				
20	QPSK	50	0	22.50	22.68	22.47				
20	QPSK	50	24	22.39	22.47	22.47				
20	QPSK	50	50	22.39	22.49	22.45	24	0		
20	QPSK	100	0	22.49	22.62	22.53				
20	16QAM	1	0	22.42	22.59	22.47				
20	16QAM	1	48	22.36	22.42	22.38	24	0		
20	16QAM	1	96	22.39	22.44	22.38				
20	16QAM	50	0	22.37	22.58	22.37				
20	16QAM	50	24	22.40	22.46	22.42	24	0		
20	16QAM	50	50	22.34	22.36	22.34				
20	16QAM	100	0	22.47	22.61	22.48				
20	64QAM	1	0	22.39	22.55	22.46				
20	64QAM	1	48	22.39	22.40	22.32	24	0		
20	64QAM	50	0	21.45	21.56	21.45				
20	64QAM	50	24	21.38	21.36	21.36				
20	64QAM	50	50	21.33	21.33	21.34	23	1		
20	64QAM	100	0	21.59	21.64	21.57				
20	256QAM	1	0	19.47	19.62	19.52				
20	256QAM	1	48	19.43	19.65	19.47	21	3		
20	256QAM	1	96	19.44	19.42	19.40				
20	256QAM	50	0	19.38	19.53	19.43				
20	256QAM	50	24	19.38	19.46	19.41	21	3		
20	256QAM	50	50	19.42	19.40	19.39				
20	256QAM	100	0	19.54	19.54	19.44				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.50	22.69	22.69	24	0		
15	QPSK	1	37	22.46	22.56	22.47				
15	QPSK	1	74	22.27	22.48	22.42				
15	QPSK	36	0	22.38	22.62	22.37				
15	QPSK	36	18	22.39	22.33	22.41				
15	QPSK	36	36	22.35	22.43	22.42	24	0		
15	16QAM	1	0	22.44	22.56	22.41				
15	16QAM	1	37	22.25	22.37	22.31	24	0		
15	16QAM	1	74	22.25	22.33	22.33				
15	16QAM	36	0	22.28	22.53	22.29				
15	16QAM	36	18	22.32	22.33	22.33	24	0		
15	64QAM	1	0	22.30	22.42	22.36				
15	64QAM	1	37	22.22	22.24	22.13	24	0		
15	64QAM	36	0	21.34	21.52	21.34				
15	64QAM	36	18	21.31	21.38	21.38	23	1		
15	64QAM	36	36	21.15	21.15	21.24				
15	64QAM	75	0	21.62	21.68	21.54				
15	256QAM	1	0	19.40	19.53	19.40				
15	256QAM	1	37	19.40	19.61	19.37	21	3		
15	256QAM	1	74	19.39	19.35	19.36				
15	256QAM	36	0	19.37	19.58	19.48				
15	256QAM	36	18	19.32	19.43	19.29	21	3		
15	256QAM	36	36	19.34	19.35	19.26				
15	256QAM	75	0	19.40	19.40	19.40				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.50	22.54	22.54	24	0		
10	QPSK	1	26	22.35	22.52	22.44				
10	QPSK	1	49	22.28	22.47	22.47				
10	QPSK	12	0	22.37	22.46	22.41				
10	QPSK	25	12	22.25	22.37	22.40	24	0		
10	QPSK	25	25	22.30	22.38	22.38				
10	16QAM	1	0	22.30	22.45	22.41				
10	16QAM	1	26	22.25	22.37	22.29	24	0		
10	16QAM	25	0	22.34	22.52	22.28				
10	16QAM	25	12	22.28	22.38	22.38	24	0		
10	16QAM	25	25	22.34	22.44	22.39				
10	64QAM	1	0	22.30	22.42	22.33				
10	64QAM	1	24	22.23	22.24	22.13	24	0		
10	64QAM	1	49	22.15	22.23	22.14				
10	64QAM	25	0	21.37	21.45	21.35				
10	64QAM	25	12	21.14	21.20	21.20	23	1		
10	64QAM	25	25	21.22	21.20	21.25				
10	64QAM	50	0	21.54	21.54	21.44				
10	256QAM	1	0	19.48	19.53	19.43				
10	256QAM	1	26	19.39	19.59	19.44	21	3		
10	256QAM	1	49	19.35	19.35	19.35				
10	256QAM	25	0	19.37	19.52	19.45				
10	256QAM	25	12	19.32	19.32	19.33	21	3		
10	256QAM	25	25	19.37	19.28	19.25				
10	256QAM	50	0	19.41	19.53	19.47				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.50	22.62	22.62	24	0		
5	QPSK	1	12	22.42	22.57	22.40				
5	QPSK	1	24	22.25	22.46	22.41				
5	QPSK	12	0	22.45	22.44	22.44				
5	QPSK	12	7	22.30	22.48	22.38	24	0		
5	QPSK	12	13	22.26	22.44	22.40				
5	16QAM	1	0	22.45	22.49	22.40				
5	16QAM	1	12	22.29	22.48	22.40	24	0		
5	16QAM	12	0	22.28	22.49	22.40				
5	16QAM	12	7	22.33	22.39	22.36	24	0		
5	16QAM	12	13	22.28	22.36	22.30				
5	64QAM	1	0	22.36	22.49	22.35				
5	64QAM	1	24	22.14	22.24	22.25	24	0		
5	64QAM	12	0	21.34	21.47	21.36				
5	64QAM	12	7	21.28	21.24	21.29	23	1		
5	64QAM	12	13	21.12	21.27	21.24				
5	64QAM	25	0	21.46	21.59	21.49				
5	256QAM	1	0	19.47	19.57	19.38				
5	256QAM	1	12	19.38	19.52	19.31	21	3		
5	256QAM	1	24	19.31	19.39	19.26				
5	256QAM	12	0	19.37	19.58	19.42				
5	256QAM	12	7	19.32	19.41	19.26	21	3		
5	256QAM	12	13	19.38	19.32	19.30				
5	256QAM	25	0	19.31	19.50	19.40				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.47	22.65	22.65	24	0		
3	QPSK	1	8	22.45	22.66	22.44				
3	QPSK	1	14	22.28	22.45	22.42				
3	QPSK	8	0	22.38	22.49	22.38				
3	QPSK	8	4	22.32	22.43	22.39	24	0		
3	QPSK	8	7	22.26	22.29	22.38				
3	16QAM	1	0	22.39	22.49	22.45				
3	16QAM	1	8	22.29	22.47	22.34	24	0		
3	16QAM	1	14	22.25	22.25	22.25				
3	16QAM	8	0	22.32	22.43	22.33				
3	16QAM	8	4	22.32	22.42	22.22	24	0		
3	16QAM	8	7	22.32	22.29	22.36				
3	64QAM	1	0	22.22	22.31	22.27				
3	64QAM	15	0	22.33	22.58	22.39	24	0		
3	64QAM	1	8	22.28	22.46	22.40				
3	64QAM	1	14	22.24	22.27	22.16				
3	64QAM	8	0	21.34	21.46	21.36				
3	64QAM	8	7	21.38	21.59	21.30	23	1		
3	64QAM	8	7	21.13	21.22	21.21				
3	256QAM	1	0	19.47	19.53	19.40				
3	256QAM	1	8	19.37	19.61	19.37	21	3		
3	256QAM	1	14	19.33	19.39	19.30				
3	256QAM	8	0	19.37	19.53	19.50				
3	256QAM	8	4	19.24	19.41	19.32	21	3		
3	256QAM	8	7	19.36	19.36	19.36				
3	256QAM	15	0	19.32	19.52	19.43				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.47	22.62	22.69	24	0		



Band 38 Default Ant 3										
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										
Frequency (MHz)				37850	38000	38150				
50	QPSK	1	0	21.92	22.05	22.18				
50	QPSK	1	49	21.80	21.75	21.69	23.1	0		
50	QPSK	1	99	21.54	21.63	21.69				
50	QPSK	50	0	21.79	22.03	21.90				
50	QPSK	50	24	21.56	21.67	21.65	23.1	0		
50	QPSK	50	74	21.54	21.60	21.63				
50	QPSK	100	0	21.52	21.66	21.77				
50	HQAM	1	0	21.67	21.75	21.69				
50	HQAM	1	49	21.53	21.60	21.61	23.1	0		
50	HQAM	1	99	21.52	21.67	21.59				
50	HQAM	50	0	21.65	21.62	21.73				
50	HQAM	50	24	21.69	21.75	21.69	23.1	0		
50	HQAM	50	74	21.53	21.64	21.71				
50	HQAM	100	0	21.60	22.01	21.66				
50	HQAM	100	0	21.68	21.55	21.65				
50	HQAM	1	49	21.70	21.79	21.60	23.1	0		
50	HQAM	1	99	21.50	21.64	21.60				
50	HQAM	50	24	21.73	21.61	21.73				
50	HQAM	50	74	21.56	21.78	21.70	22.5	0.6		
50	HQAM	100	0	21.68	21.92	21.72				
50	HQAM	100	0	21.68	21.92	21.72				
50	HQAM	1	0	19.81	20.02	19.87				
50	HQAM	1	49	19.81	20.02	19.81	20.5	2.6		
50	HQAM	1	99	19.80	19.77	19.79				
50	HQAM	50	0	19.80	19.84	19.80				
50	HQAM	50	24	19.88	19.85	19.81	20.5	2.6		
50	HQAM	50	74	19.82	19.85	19.77				
50	HQAM	100	0	19.81	19.80	19.80				
Channel										
Frequency (MHz)				37925	38000	38175				
15	QPSK	1	0	21.73	21.95	21.74				
15	QPSK	1	37	21.82	21.96	21.54	23.1	0		
15	QPSK	1	74	21.56	21.61	21.60				
15	QPSK	36	0	21.62	21.63	21.63				
15	QPSK	36	20	21.47	21.58	21.79	23.1	0		
15	QPSK	36	39	21.50	21.60	21.61				
15	QPSK	75	0	21.47	21.60	21.68				
15	HQAM	1	0	21.60	21.68	21.60				
15	HQAM	1	37	21.55	21.69	21.61	23.1	0		
15	HQAM	1	74	21.52	21.67	21.43				
15	HQAM	36	0	21.51	21.62	21.67				
15	HQAM	36	20	21.52	21.74	21.60	23.1	0		
15	HQAM	36	39	21.43	21.63	21.57				
15	HQAM	75	0	21.68	21.66	21.76				
15	HQAM	1	37	21.60	21.74	21.49	23.1	0		
15	HQAM	1	74	21.49	21.47	21.36				
15	HQAM	36	0	21.58	21.62	21.66				
15	HQAM	36	20	21.55	21.73	21.79	22.5	0.6		
15	HQAM	36	39	21.51	21.65	21.61				
15	HQAM	75	0	21.62	21.65	21.68				
15	HQAM	1	0	19.75	19.85	19.75	20.5	2.6		
15	HQAM	1	37	19.85	19.83	19.78				
15	HQAM	1	74	19.59	19.63	19.68				
15	HQAM	36	0	19.80	19.69	19.76	20.5	2.6		
15	HQAM	36	20	19.82	19.73	19.82				
15	HQAM	36	39	19.77	19.77	19.66				
15	HQAM	75	0	19.83	19.80	19.85				
Channel										
Frequency (MHz)				37975	38000	38175				
10	QPSK	1	0	21.74	22.03	21.81				
10	QPSK	1	25	21.58	21.72	21.64	23.1	0		
10	QPSK	1	49	21.64	21.77	21.76				
10	QPSK	1	74	21.52	21.63	21.63				
10	QPSK	25	12	21.51	21.60	21.68	23.1	0		
10	QPSK	25	25	21.43	21.48	21.62				
10	QPSK	50	0	21.46	21.77	21.68				
10	HQAM	1	0	21.63	21.69	21.66	23.1	0		
10	HQAM	1	25	21.34	21.60	21.60				
10	HQAM	1	49	21.53	21.66	21.61				
10	HQAM	25	0	21.61	21.76	21.62				
10	HQAM	25	12	21.60	21.68	21.40	23.1	0		
10	HQAM	25	25	21.44	21.43	21.57				
10	HQAM	50	0	21.91	21.60	21.60				
10	HQAM	50	0	21.54	21.77	21.60				
10	HQAM	1	25	21.64	21.65	21.40	23.1	0		
10	HQAM	1	49	21.61	21.64	21.52				
10	HQAM	25	0	21.55	21.65	21.70				
10	HQAM	25	12	21.61	21.78	21.68	22.5	0.6		
10	HQAM	25	25	21.67	21.67	21.77				
10	HQAM	50	0	21.99	21.62	21.61				
10	HQAM	50	0	19.73	19.91	19.75	20.5	2.6		
10	HQAM	1	25	19.74	19.88	19.72				
10	HQAM	1	49	19.67	19.64	19.70				
10	HQAM	25	0	19.76	19.85	19.73	20.5	2.6		
10	HQAM	25	12	19.85	19.70	19.60				
10	HQAM	25	25	19.78	19.81	19.85				
10	HQAM	50	0	19.94	20.05	19.85				
Channel										
Frequency (MHz)				2172.5	2185	2197.5				
5	QPSK	1	0	21.75	21.81	21.81	23.1	0		
5	QPSK	1	12	21.79	21.84	21.80				
5	QPSK	1	24	21.80	21.75	21.75				
5	QPSK	12	0	21.79	21.78	21.86				
5	QPSK	12	7	21.51	21.67	21.73	23.1	0		
5	QPSK	12	13	21.39	21.61	21.67				
5	QPSK	25	0	21.38	21.78	21.71				
5	HQAM	1	0	21.69	21.76	21.67				
5	HQAM	1	12	21.54	21.41	21.61	23.1	0		
5	HQAM	1	24	21.80	21.65	21.66				
5	HQAM	12	0	21.49	21.68	21.55				
5	HQAM	12	7	21.53	21.60	21.62	23.1	0		
5	HQAM	12	13	21.39	21.47	21.70				
5	HQAM	25	0	21.65	21.86	21.70				
5	HQAM	1	0	21.68	21.73	21.68	23.1	0		
5	HQAM	1	12	21.51	21.60	21.45				
5	HQAM	1	24	21.44	21.50	21.27				
5	HQAM	12	0	21.49	21.71	21.70				
5	HQAM	12	7	21.52	21.50	21.70	22.5	0.6		
5	HQAM	12	13	21.43	21.61	21.66				
5	HQAM	25	0	21.80	21.80	21.60				
5	HQAM	1	0	19.67	19.50	19.61	20.5	2.6		
5	HQAM	1	12	19.68	19.63	19.77				
5	HQAM	1	24	19.69	19.67	19.62				
5	HQAM	12	0	19.80	19.91	19.73	20.5	2.6		
5	HQAM	12	7	19.75	19.76	19.84				
5	HQAM	12	13	19.79	19.78	19.70	20.5	2.6		
5	HQAM	25	0	19.88	20.05	19.88				

Band 41 FCC&C DS16_Simultaneous Ant 3										
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										
Frequency (MHz)				19750	4185	4195	4195	4195	4195	4195
20	QPSK	1	0	22.00	22.03	22.03				
20	QPSK	1	49	21.87	21.86	22.05	23.1	0		
20	QPSK	1	99	21.77	21.85	21.87				
20	QPSK	50	0	21.90	21.80	21.90				
20	QPSK	50	24	21.80	21.80	21.80	23	0.1		
20	QPSK	50	74	21.77	21.74	21.85				
20	QPSK	100	0	21.78	21.69	21.97				
20	HQAM	1	0	21.81	21.81	21.92	23	0.1		
20	HQAM	1	49	21.74	21.74	21.78				
20	HQAM	1	99	21.80	21.70	21.89				
20	HQAM	50	0	21.97	21.81	21.66				
20	HQAM	50	24	21.98	21.40	21.45	22	1.1		



Band 41 PC2 FCC&IC DSI6_Simultaneous Ant 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MRR (dB)
Channel											
Frequency (MHz)											
30	QPSK	1	0	23.49	23.53	23.57	23.59	23.63	23.67	24.7	0
30	QPSK	1	49	23.35	23.37	23.39	23.38	23.39	23.19		
30	QPSK	1	99	23.16	23.21	23.26	23.40	23.50			
30	QPSK	50	0	23.11	23.11	23.17	23.16	23.06			
30	QPSK	50	24	23.04	22.81	23.18	23.12	22.96		24.7	0
30	QPSK	50	49	22.80	22.80	22.86	22.87	22.87			
30	QPSK	100	0	23.01	23.04	23.07	23.04	22.94			
30	HQAM	1	0	23.24	23.33	23.50	23.36	23.32		24.7	0
30	HQAM	1	49	23.19	23.31	23.38	23.19	23.22			
30	HQAM	1	99	23.07	23.23	23.33	23.17	23.03			
30	HQAM	50	0	23.07	23.14	23.26	23.07	23.09			
30	HQAM	50	24	23.04	23.21	23.15	23.03	23.04		24.7	0
30	HQAM	50	49	22.92	23.07	23.06	22.89	22.94			
30	HQAM	100	0	23.01	23.08	23.07	23.04	23.00			
30	HQAM	100	0	23.17	23.15	23.35	23.21	23.14			
30	HQAM	100	49	23.14	23.29	23.35	23.22	23.07		24.7	0
30	HQAM	100	99	22.92	23.34	23.32	23.21	22.91			
30	HQAM	50	0	23.27	23.38	23.38	23.25	23.17			
30	HQAM	50	24	23.20	23.35	23.29	23.26	23.12		24.7	0
30	HQAM	50	49	23.04	23.11	23.20	23.18	23.10			
30	HQAM	100	0	23.22	23.36	23.31	23.26	23.11			
30	HQAM	100	49	23.23	23.32	23.45	23.29	23.23			
30	HQAM	100	99	23.22	23.24	23.28	23.28	23.21		23	1.7
30	HQAM	100	99	22.96	22.17	22.21	22.21	22.17			
30	HQAM	50	0	23.11	23.11	23.22	23.16	23.07			
30	HQAM	50	24	23.05	22.98	22.98	23.12	22.99		23	1.7
30	HQAM	50	49	23.01	22.94	22.91	22.82	22.80			
30	HQAM	100	0	23.02	23.02	23.02	23.02	23.02			
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.03	23.03	23.03	23.07	23.15		26	0
15	QPSK	1	37	23.25	23.08	23.37	23.28	23.10			
15	QPSK	1	74	23.13	23.07	23.37	23.32	23.16			
15	QPSK	38	0	23.00	23.06	23.02	23.02	23.02		24.7	0
15	QPSK	38	20	22.98	22.84	23.11	23.09	22.82			
15	QPSK	38	39	22.80	22.80	22.86	22.87	22.87			
15	QPSK	75	0	23.04	22.89	23.18	22.84	22.82			
15	HQAM	1	0	23.18	23.27	23.40	23.27	23.20		24.7	0
15	HQAM	1	37	23.11	23.18	23.37	23.09	22.99			
15	HQAM	1	74	22.97	23.15	23.37	23.09	22.99			
15	HQAM	38	0	22.98	23.03	23.22	22.98	22.96		24.7	0
15	HQAM	38	20	22.80	22.85	23.00	22.80	22.84			
15	HQAM	38	39	22.79	22.86	23.04	22.80	22.87			
15	HQAM	75	0	22.93	23.01	23.23	23.00	22.89			
15	HQAM	1	0	23.15	23.12	23.30	23.19	23.01			
15	HQAM	1	37	23.05	23.17	23.20	23.12	23.04		24.7	0
15	HQAM	1	74	22.80	23.01	23.05	23.11	22.81			
15	HQAM	38	0	23.14	23.08	23.30	23.22	23.14			
15	HQAM	38	20	23.15	23.28	23.29	23.21	23.10		24.7	0
15	HQAM	38	39	22.99	23.03	23.00	22.80	22.80			
15	HQAM	75	0	23.13	23.11	23.18	23.14	22.98			
15	HQAM	1	0	23.13	22.80	23.31	23.16	23.12		23	1.7
15	HQAM	1	37	23.02	23.12	23.00	23.02	23.14			
15	HQAM	1	74	22.90	22.80	23.18	22.18	22.96			
15	HQAM	38	0	23.07	22.90	23.17	22.11	23.03		23	1.7
15	HQAM	38	20	22.84	22.85	23.00	22.86	22.85			
15	HQAM	38	39	23.03	23.10	22.97	23.03	23.03			
15	HQAM	75	0	23.08	22.98	23.22	23.01	23.01			
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.07	23.07	23.07	23.08	23.08		26	0
10	QPSK	1	25	23.28	23.14	23.38	23.30	23.13			
10	QPSK	1	49	23.10	23.18	23.40	23.39	23.07			
10	QPSK	25	0	22.90	22.90	22.90	22.90	22.90		24.7	0
10	QPSK	25	12	22.92	22.78	23.06	23.03	22.91			
10	QPSK	25	25	22.89	22.86	22.93	22.95	22.90			
10	QPSK	50	0	23.05	23.05	23.05	23.05	23.05			
10	HQAM	1	0	23.16	23.30	23.44	23.25	23.20		24.7	0
10	HQAM	1	25	23.16	23.24	23.26	23.07	23.17			
10	HQAM	1	49	22.96	23.15	23.29	23.07	22.96			
10	HQAM	25	0	23.02	23.08	23.17	22.95	22.97		24.7	0
10	HQAM	25	12	22.87	23.06	23.08	22.80	22.80			
10	HQAM	25	25	22.80	22.95	23.05	22.80	22.84			
10	HQAM	50	0	22.94	22.84	23.17	22.87	22.94			
10	HQAM	50	12	22.80	22.80	22.80	22.80	22.80		24.7	0
10	HQAM	50	25	23.11	23.18	23.23	23.18	23.01			
10	HQAM	1	0	22.90	23.12	23.08	23.16	23.03		24.7	0
10	HQAM	1	25	23.04	23.20	23.33	23.22	23.06			
10	HQAM	1	49	23.15	23.25	23.21	23.20	23.07			
10	HQAM	25	0	22.93	23.08	23.15	23.08	23.00		24.7	0
10	HQAM	25	12	22.93	23.01	23.10	23.08	23.00			
10	HQAM	25	25	22.93	23.01	23.04	22.96	22.94			
10	HQAM	50	0	22.13	22.29	22.34	22.16	22.14		23	1.7
10	HQAM	50	12	22.15	22.13	22.36	22.14	22.14			
10	HQAM	50	25	22.15	22.05	22.25	22.15	22.05			
10	HQAM	25	0	22.97	23.01	23.17	23.11	23.03		23	1.7
10	HQAM	25	12	23.00	23.00	23.00	23.00	23.00			
10	HQAM	25	25	23.05	23.07	23.05	23.05	23.05			
10	HQAM	50	0	23.04	22.95	23.27	23.00	23.07			
Channel											
Frequency (MHz)											
5	QPSK	1	0	23.46	23.45	23.55	23.33	23.09		25	0
5	QPSK	1	12	23.25	23.13	23.30	23.22	23.06			
5	QPSK	1	24	23.07	23.13	23.39	23.31	23.18			
5	QPSK	12	0	23.07	23.05	23.27	23.03	23.02		24.7	0
5	QPSK	12	7	22.99	22.83	23.00	23.00	22.87			
5	QPSK	12	13	22.88	22.80	22.88	22.89	22.83			
5	QPSK	25	0	23.04	22.83	23.06	23.09	22.85			
5	HQAM	1	0	23.20	23.25	23.48	23.30	23.19		24.7	0
5	HQAM	1	12	23.13	23.24	23.20	23.16	23.17			
5	HQAM	1	24	22.96	23.11	23.10	23.06	22.96			
5	HQAM	12	0	22.98	23.12	23.21	22.94	22.98		24.7	0
5	HQAM	12	7	22.94	23.05	23.12	22.96	22.83			
5	HQAM	12	13	22.80	22.86	22.86	22.87	22.82			
5	HQAM	25	0	22.81	23.02	23.24	23.00	22.89			
5	HQAM	1	0	23.08	23.10	23.32	23.12	23.09		24.7	0
5	HQAM	1	12	23.07	23.03	23.26	23.16	23.01			
5	HQAM	1	24	22.89	23.08	23.00	23.14	22.82			
5	HQAM	12	0	23.20	23.24	23.26	23.19	23.10		24.7	0
5	HQAM	12	7	23.16	23.28	23.22	23.21	23.05			
5	HQAM	12	13	22.93	22.88	23.07	23.12	23.00			
5	HQAM	25	0	23.11	23.07	23.30	23.16	23.03			
5	HQAM	1	0	22.16	22.28	22.34	22.21	22.19		23	1.7
5	HQAM	1	12	22.14	22.15	22.32	22.14	22.13			
5	HQAM	1	24	21.88	22.0						



For other PA

Full&Default Power Mode										
Band 66 Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Turn-up (dB)	MPE (dB)		
Channel	Channel	Channel	Channel	Ch. Freq. 15097.5	Ch. Freq. 15102.5	Ch. Freq. 15107.5	Turn-up (dB)	MPE (dB)		
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	15097.5	15102.5	15107.5	Turn-up (dB)	MPE (dB)		
20	QPSK	1	0	22.78	22.80	22.82	24	0		
20	QPSK	1	49	22.73	22.81	22.67	24	0		
20	QPSK	1	99	22.62	22.87	22.55	24	0		
20	QPSK	50	0	21.58	21.56	21.51	23	1		
20	QPSK	50	24	21.48	21.55	21.50	23	1		
20	QPSK	50	50	21.58	21.63	21.63	23	1		
20	QPSK	100	0	21.48	21.55	21.45	23	1		
20	16QAM	1	0	21.44	21.49	21.45	23	1		
20	16QAM	1	49	21.38	21.43	21.39	23	1		
20	16QAM	1	99	21.43	21.48	21.34	23	1		
20	16QAM	50	0	20.58	20.69	20.63	22	2		
20	16QAM	50	24	20.60	20.65	20.61	22	2		
20	16QAM	50	50	20.50	20.62	20.58	22	2		
20	16QAM	100	0	21.08	21.14	21.02	22	2		
20	64QAM	1	0	20.98	21.09	21.05	22	2		
20	64QAM	1	49	21.01	21.06	20.97	22	2		
20	64QAM	1	99	20.89	21.01	20.97	22	2		
20	64QAM	50	0	19.62	19.68	19.62	21	3		
20	64QAM	50	24	19.60	19.65	19.63	21	3		
20	64QAM	50	50	19.43	19.58	19.45	21	3		
20	64QAM	100	0	19.49	19.56	19.47	21	3		
20	256QAM	1	0	17.59	17.66	17.61	19	5		
20	256QAM	1	49	17.80	17.86	17.86	19	5		
20	256QAM	1	99	17.57	17.68	17.61	19	5		
20	256QAM	50	0	17.68	17.71	17.58	19	5		
20	256QAM	50	24	17.82	17.85	17.66	19	5		
20	256QAM	50	50	17.66	17.70	17.57	19	5		
20	256QAM	100	0	18.58	18.70	18.63	19	5		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.74	22.84	22.61	24	0		
15	QPSK	1	37	22.67	22.68	22.58	24	0		
15	QPSK	1	74	22.56	22.66	22.46	24	0		
15	QPSK	36	0	21.52	21.61	21.38	23	1		
15	QPSK	36	20	21.40	21.55	21.44	23	1		
15	QPSK	36	39	21.54	21.58	21.42	23	1		
15	QPSK	75	0	21.35	21.44	21.31	23	1		
15	16QAM	1	0	21.39	21.39	21.36	23	1		
15	16QAM	1	37	21.24	21.33	21.33	23	1		
15	16QAM	1	74	21.33	21.35	21.20	23	1		
15	16QAM	36	0	20.53	20.66	20.52	22	2		
15	16QAM	36	20	20.47	20.56	20.49	22	2		
15	16QAM	36	39	20.44	20.51	20.45	22	2		
15	16QAM	75	0	20.39	21.08	20.51	22	2		
15	64QAM	1	0	20.33	20.04	20.56	22	2		
15	64QAM	1	37	20.31	20.30	20.20	22	2		
15	64QAM	1	74	20.77	20.92	20.86	22	2		
15	64QAM	36	0	19.52	19.58	19.54	21	3		
15	64QAM	36	20	19.42	19.56	19.41	21	3		
15	64QAM	36	39	19.32	19.47	19.35	21	3		
15	64QAM	75	0	19.37	19.43	19.43	21	3		
15	256QAM	1	0	17.46	17.54	17.53	19	5		
15	256QAM	1	37	17.47	17.45	17.42	19	5		
15	256QAM	1	74	17.52	17.59	17.43	19	5		
15	256QAM	36	0	17.59	17.45	17.45	19	5		
15	256QAM	36	20	17.47	17.55	17.45	19	5		
15	256QAM	36	39	17.58	17.57	17.40	19	5		
15	256QAM	75	0	18.50	18.65	18.63	19	5		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.68	22.81	22.64	24	0		
10	QPSK	1	25	22.66	22.78	22.59	24	0		
10	QPSK	1	49	22.58	22.67	22.43	24	0		
10	QPSK	25	0	21.53	21.61	21.38	23	1		
10	QPSK	25	12	21.35	21.48	21.39	23	1		
10	QPSK	25	25	21.47	21.52	21.39	23	1		
10	QPSK	50	0	21.40	21.44	21.33	23	1		
10	16QAM	1	0	21.39	21.45	21.37	23	1		
10	16QAM	1	25	21.23	21.29	21.36	23	1		
10	16QAM	1	49	21.39	21.37	21.22	23	1		
10	16QAM	25	0	20.50	20.56	20.54	22	2		
10	16QAM	25	12	20.45	20.53	20.46	22	2		
10	16QAM	25	25	20.40	20.48	20.47	22	2		
10	16QAM	50	0	21.00	21.02	20.98	22	2		
10	64QAM	1	0	20.94	21.02	20.91	22	2		
10	64QAM	1	25	20.89	21.01	20.87	22	2		
10	64QAM	1	49	20.77	20.91	20.88	22	2		
10	64QAM	25	0	19.56	19.54	19.50	21	3		
10	64QAM	25	12	19.40	19.54	19.50	21	3		
10	64QAM	25	25	19.31	19.43	19.39	21	3		
10	64QAM	50	0	19.36	19.53	19.48	21	3		
10	256QAM	1	0	17.54	17.60	17.47	19	5		
10	256QAM	1	25	17.47	17.45	17.41	19	5		
10	256QAM	1	49	17.53	17.59	17.54	19	5		
10	256QAM	25	0	17.55	17.65	17.53	19	5		
10	256QAM	25	12	17.47	17.54	17.55	19	5		
10	256QAM	25	25	17.56	17.56	17.44	19	5		
10	256QAM	50	0	18.44	18.55	18.50	19	5		
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.68	22.80	22.67	24	0		
5	QPSK	1	12	22.62	22.70	22.59	24	0		
5	QPSK	1	24	22.58	22.94	22.44	24	0		
5	QPSK	12	0	21.51	21.59	21.41	23	1		
5	QPSK	12	7	21.38	21.55	21.36	23	1		
5	QPSK	12	13	21.48	21.50	21.40	23	1		
5	QPSK	25	0	21.38	21.42	21.40	23	1		
5	16QAM	1	0	21.40	21.43	21.38	23	1		
5	16QAM	1	12	21.21	21.32	21.34	23	1		
5	16QAM	1	24	21.30	21.31	21.30	23	1		
5	16QAM	12	0	20.50	20.55	20.51	22	2		
5	16QAM	12	7	20.50	20.61	20.57	22	2		
5	16QAM	12	13	20.43	20.57	20.50	22	2		
5	16QAM	25	0	20.96	21.09	20.97	22	2		
5	64QAM	1	0	20.94	21.01	20.94	22	2		
5	64QAM	1	12	20.98	21.03	20.83	22	2		
5	64QAM	1	24	20.75	20.89	20.84	22	2		
5	64QAM	12	0	19.53	19.59	19.51	21	3		
5	64QAM	12	7	19.41	19.54	19.50	21	3		
5	64QAM	12	13	19.32	19.44	19.37	21	3		
5	64QAM	25	0	19.36	19.43	19.37	21	3		
5	256QAM	1	0	17.47	17.55	17.50	19	5		
5	256QAM	1	12	17.45	17.50	17.39	19	5		
5	256QAM	1	24	17.53	17.60	17.54	19	5		
5	256QAM	12	0	17.63	17.59	17.43	19	5		
5	256QAM	12	7	17.42	17.52	17.55	19	5		
5	256QAM	12	13	17.54	17.67	17.62	19	5		
5	256QAM	25	0	18.54	18.67	18.50	19	5		
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.72	22.75	22.67	24	0		
3	QPSK	1	8	22.67	22.88	22.61	24	0		
3	QPSK	1	16	22.50	22.69	22.42	24	0		
3	QPSK	8	0	21.46	21.49	21.47	23	1		
3	QPSK	8	4	21.38	21.53	21.39	23	1		
3	QPSK	8	7	21.46	21.52	21.40	23	1		
3	QPSK	15	0	21.35	21.47	21.34	23	1		
3	16QAM	1	0	21.36	21.37	21.34	23	1		
3	16QAM	1	8	21.23	21.33	21.34	23	1		
3	16QAM	1	14	21.30	21.33	21.29	23	1		
3	16QAM	8	0	20.55	20.60	20.49	22	2		
3	16QAM	8	4	20.56	20.61	20.51	22	2		
3	16QAM	8	7	20.45	20.54	20.49	22	2		
3	64QAM	1	0	20.91	21.03	20.95	22	2		
3	64QAM	1	8	20.87	20.94	20.82	22	2		
3	64QAM	1	14	20.86	20.93	20.83	22	2		
3	64QAM	8	0	19.51	19.59	19.58	21	3		
3	64QAM	8	4	19.41	19.56	19.45	21	3		
3	64QAM	8	7	19.32	19.61	19.32	21	3		
3	64QAM	15	0	19.37	19.51	19.43	21	3		
3	256QAM	1	0	17.47	17.53	17.37	19	5		
3	256QAM	1	8	17.37	17.41	17.37	19	5		
3	256QAM	1	14	17.45	17.56	17.51	19	5		
3	256QAM	8	0	17.58	17.65	17.48	19	5		
3	256QAM	8	4	17.48	17.51	17.47	19	5		
3	256QAM	8	7	17.52	17.63	17.54	19	5		
3	256QAM	15	0	18.55	18.67	18.58	19	5		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.69	22.82	22.68	24	0		
1.4	QPSK	1	3	22						



Band 66 Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Time-up limit (min)	MPE (dB)		
Channel										
Frequency (MHz)				1750	1745	1772				
20	QPSK	1	0	23.73	23.76	23.66			24	0
20	QPSK	1	49	23.89	23.73	23.62				
20	QPSK	1	99	23.85	23.69	23.61				
20	QPSK	50	0	22.63	22.66	22.58			23	1
20	QPSK	50	-24	22.65	22.61	22.52				
20	QPSK	50	50	22.46	22.57	22.47				
20	QPSK	100	0	22.44	22.59	22.45				
20	16QAM	1	0	22.32	22.37	22.33			23	1
20	16QAM	1	49	22.24	22.32	22.21				
20	16QAM	1	99	22.22	22.29	22.23				
20	16QAM	50	0	21.58	21.66	21.56			22	2
20	16QAM	50	24	21.56	21.62	21.58				
20	16QAM	50	50	21.53	21.59	21.52				
20	16QAM	100	0	21.43	21.53	21.49				
20	64QAM	1	0	21.81	21.86	21.80			22	2
20	64QAM	1	49	21.71	21.83	21.80				
20	64QAM	1	99	21.72	21.79	21.80				
20	64QAM	50	0	20.65	20.62	20.53			21	3
20	64QAM	50	24	20.53	20.58	20.51				
20	64QAM	50	50	20.37	20.56	20.35				
20	64QAM	100	0	20.39	20.53	20.47				
20	256QAM	1	0	18.44	18.57	18.50			19	5
20	256QAM	1	49	18.45	18.51	18.44				
20	256QAM	1	99	18.42	18.46	18.38				
20	256QAM	50	0	18.29	18.53	18.28			19	5
20	256QAM	50	-24	18.42	18.50	18.39				
20	256QAM	50	50	18.46	18.52	18.40				
20	256QAM	100	0	18.28	18.49	18.41				
Channel										
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	23.67	23.76	23.66			24	0
15	QPSK	1	37	23.81	23.66	23.52				
15	QPSK	1	74	23.50	23.58	23.56				
15	QPSK	36	0	22.49	22.54	22.47			23	1
15	QPSK	36	-20	22.44	22.47	22.49				
15	QPSK	36	36	22.34	22.49	22.39				
15	QPSK	75	0	22.40	22.46	22.42				
15	16QAM	1	0	22.23	22.25	22.29			23	1
15	16QAM	1	37	22.14	22.21	22.14				
15	16QAM	1	74	22.12	22.25	22.12				
15	16QAM	36	0	21.45	21.88	21.47			22	2
15	16QAM	36	20	21.53	21.49	21.47				
15	16QAM	36	39	21.48	21.51	21.45				
15	16QAM	75	0	21.30	21.38	21.38				
15	64QAM	1	0	21.71	21.77	21.67			22	2
15	64QAM	1	37	21.63	21.79	21.68				
15	64QAM	1	74	21.59	21.71	21.58				
15	64QAM	36	0	20.52	20.49	20.40			21	3
15	64QAM	36	20	20.45	20.53	20.38				
15	64QAM	36	39	20.31	20.36	20.21				
15	64QAM	75	0	20.34	20.39	20.39				
15	256QAM	1	0	18.41	18.56	18.48			19	5
15	256QAM	1	37	18.30	18.48	18.32				
15	256QAM	1	74	18.33	18.40	18.25				
15	256QAM	36	0	18.26	18.44	18.28			19	5
15	256QAM	36	20	18.32	18.43	18.27				
15	256QAM	36	39	18.42	18.40	18.33				
15	256QAM	75	0	18.26	18.43	18.27				
Channel										
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	23.60	23.66	23.52			24	0
10	QPSK	1	25	23.85	23.64	23.52				
10	QPSK	1	49	23.48	23.56	23.48				
10	QPSK	25	0	22.57	22.62	22.58			23	1
10	QPSK	25	12	22.52	22.51	22.38				
10	QPSK	25	25	22.41	22.45	22.42				
10	QPSK	50	0	22.33	22.54	22.39				
10	16QAM	1	0	22.29	22.30	22.27			23	1
10	16QAM	1	25	22.13	22.18	22.16				
10	16QAM	1	49	22.18	22.24	22.19				
10	16QAM	25	0	21.52	21.62	21.43			22	2
10	16QAM	25	12	21.51	21.54	21.43				
10	16QAM	25	25	21.41	21.46	21.43				
10	16QAM	50	0	21.39	21.45	21.37				
10	64QAM	1	0	21.72	21.80	21.65			22	2
10	64QAM	1	25	21.68	21.70	21.64				
10	64QAM	1	49	21.69	21.74	21.58				
10	64QAM	25	0	20.40	20.54	20.48			21	3
10	64QAM	25	12	20.45	20.48	20.45				
10	64QAM	25	25	20.35	20.44	20.21				
10	64QAM	50	0	20.38	20.47	20.38				
10	256QAM	1	0	18.31	18.51	18.40			19	5
10	256QAM	1	25	18.41	18.38	18.32				
10	256QAM	1	49	18.29	18.37	18.34				
10	256QAM	25	0	18.28	18.46	18.28			19	5
10	256QAM	25	12	18.32	18.41	18.30				
10	256QAM	25	25	18.39	18.44	18.34				
10	256QAM	50	0	18.31	18.44	18.31				
Channel										
Frequency (MHz)				1712.5	1743	1771.5				
5	QPSK	1	0	23.68	23.73	23.62			24	0
5	QPSK	1	12	23.80	23.63	23.49				
5	QPSK	1	24	23.47	23.57	23.53				
5	QPSK	12	0	22.51	22.52	22.43			23	1
5	QPSK	12	7	22.48	22.48	22.44				
5	QPSK	12	13	22.43	22.47	22.44				
5	QPSK	25	0	22.33	22.53	22.40				
5	16QAM	1	0	22.27	22.28	22.20			23	1
5	16QAM	1	12	22.15	22.21	22.10				
5	16QAM	1	24	22.16	22.15	22.12				
5	16QAM	12	0	21.48	21.53	21.43			22	2
5	16QAM	12	7	21.42	21.59	21.47				
5	16QAM	12	13	21.48	21.48	21.45				
5	16QAM	25	0	21.29	21.42	21.45				
5	64QAM	1	0	21.68	21.79	21.70			22	2
5	64QAM	1	12	21.67	21.77	21.63				
5	64QAM	1	24	21.69	21.64	21.58				
5	64QAM	12	0	20.50	20.51	20.41			21	3
5	64QAM	12	7	20.49	20.50	20.42				
5	64QAM	12	13	20.28	20.40	20.28				
5	16QAM	25	0	20.35	20.39	20.41				
5	256QAM	1	0	18.39	18.46	18.41			19	5
5	256QAM	1	12	18.39	18.42	18.38				
5	256QAM	1	24	18.39	18.32	18.30				
5	256QAM	12	0	18.26	18.49	18.27			19	5
5	256QAM	12	7	18.37	18.44	18.36				
5	256QAM	12	13	18.37	18.38	18.36				
5	256QAM	25	0	18.29	18.38	18.30				
Channel										
Frequency (MHz)				1718.75	1743.25	1774.75				
3	QPSK	1	0	23.69	23.68	23.59			24	0
3	QPSK	1	8	23.85	23.63	23.58				
3	QPSK	1	14	23.43	23.57	23.52				
3	QPSK	8	0	22.59	22.59	22.45			23	1
3	QPSK	8	4	22.49	22.52	22.38				
3	QPSK	8	7	22.42	22.46	22.40				
3	QPSK	15	0	22.39	22.46	22.32				
3	16QAM	1	0	22.23	22.25	22.20			23	1
3	16QAM	1	8	22.10	22.17	22.16				
3	16QAM	1	14	22.16	22.15	22.15				
3	16QAM	8	0	21.55	21.57	21.44			22	2
3	16QAM	8	4	21.41	21.50	21.51				
3	16QAM	8	7	21.45	21.					



Reduced Power Mode for DS12-Standalone

Band 66 Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch. Freq. 150972	Power Middle Ch. Freq. 150972	Power High Ch. Freq. 150972	Turn-up Rate (dB)	MPE (dB)	
Channel										
Frequency (MHz)										
					1720	1745	1770			
20	QPSK	1	0		22.78	22.89	22.72			
20	QPSK	1	49		22.73	22.81	22.67	24	0	
20	QPSK	1	99		22.62	22.67	22.55			
20	QPSK	50	0		21.58	21.56	21.51			
20	QPSK	50	24		21.48	21.53	21.50			
20	QPSK	50	50		21.58	21.63	21.63	23	1	
20	QPSK	100	0		21.48	21.55	21.45			
20	16QAM	1	0		21.44	21.49	21.45			
20	16QAM	1	49		21.38	21.43	21.39	23	1	
20	16QAM	1	99		21.43	21.48	21.34			
20	16QAM	50	0		20.58	20.69	20.63			
20	16QAM	50	24		20.60	20.65	20.61			
20	16QAM	50	50		20.50	20.62	20.58	22	2	
20	16QAM	100	0		21.08	21.14	21.02			
20	64QAM	1	0		20.98	21.09	21.05			
20	64QAM	1	49		21.01	21.06	20.97	22	2	
20	64QAM	1	99		20.89	21.01	20.97			
20	64QAM	50	0		19.62	19.68	19.62			
20	64QAM	50	24		19.48	19.55	19.53			
20	64QAM	50	50		19.43	19.58	19.45	21	3	
20	64QAM	100	0		19.49	19.56	19.47			
20	256QAM	1	0		17.59	17.66	17.61			
20	256QAM	1	49		17.80	17.86	17.86	19	5	
20	256QAM	1	99		17.57	17.68	17.61			
20	256QAM	50	0		17.68	17.71	17.58			
20	256QAM	50	24		17.82	17.85	17.86	19	5	
20	256QAM	50	50		17.66	17.70	17.67			
20	256QAM	100	0		18.58	18.70	18.63			
Channel										
Frequency (MHz)										
					1717.7	1742	1772.5	Turn-up Rate (dB)	MPE (dB)	
15	QPSK	1	0		22.74	22.84	22.61			
15	QPSK	1	37		22.67	22.68	22.58	24	0	
15	QPSK	1	74		22.56	22.66	22.46			
15	QPSK	36	0		21.52	21.61	21.58			
15	QPSK	36	20		21.40	21.55	21.44	23	1	
15	QPSK	36	39		21.54	21.58	21.42			
15	QPSK	36	59		21.35	21.44	21.31			
15	16QAM	1	0		21.39	21.39	21.36			
15	16QAM	1	37		21.24	21.33	21.33	23	1	
15	16QAM	1	74		21.33	21.35	21.20			
15	16QAM	36	0		20.53	20.66	20.52			
15	16QAM	36	20		20.47	20.56	20.49	22	2	
15	16QAM	36	39		20.44	20.51	20.45			
15	16QAM	75	0		20.39	21.08	20.51			
15	64QAM	1	0		20.33	20.04	20.55			
15	64QAM	1	37		20.31	20.32	20.20	22	2	
15	64QAM	1	74		20.77	20.92	20.85			
15	64QAM	36	0		19.52	19.58	19.54			
15	64QAM	36	20		19.42	19.56	19.61	21	3	
15	64QAM	36	39		19.32	19.47	19.35			
15	256QAM	1	0		17.46	17.54	17.53			
15	256QAM	1	37		17.47	17.45	17.42	19	5	
15	256QAM	1	74		17.52	17.59	17.63			
15	256QAM	36	0		17.59	17.45	17.45			
15	256QAM	36	20		17.47	17.55	17.45	19	5	
15	256QAM	36	39		17.58	17.57	17.60			
15	256QAM	75	0		18.50	18.65	18.53			
Channel										
Frequency (MHz)										
					1811.5	1842	1872.5	Turn-up Rate (dB)	MPE (dB)	
10	QPSK	1	0		22.68	22.81	22.64			
10	QPSK	1	25		22.66	22.78	22.59	24	0	
10	QPSK	1	49		22.58	22.67	22.43			
10	QPSK	25	0		21.53	21.61	21.58			
10	QPSK	25	12		21.35	21.48	21.39	23	1	
10	QPSK	25	25		21.47	21.52	21.39			
10	QPSK	50	0		21.40	21.44	21.33			
10	16QAM	1	0		21.39	21.45	21.37			
10	16QAM	1	25		21.23	21.29	21.35	23	1	
10	16QAM	1	49		21.39	21.37	21.22			
10	16QAM	25	0		20.50	20.56	20.54			
10	16QAM	25	12		20.45	20.53	20.46	22	2	
10	16QAM	25	25		20.40	20.48	20.47			
10	16QAM	50	0		21.00	21.02	20.98			
10	64QAM	1	0		20.94	21.02	20.91			
10	64QAM	1	25		20.89	21.01	20.87	22	2	
10	64QAM	1	49		20.77	20.91	20.88			
10	64QAM	25	0		19.56	19.54	19.59			
10	64QAM	25	12		19.40	19.54	19.50	21	3	
10	64QAM	25	25		19.31	19.43	19.39			
10	64QAM	50	0		19.35	19.53	19.42			
10	256QAM	1	0		17.54	17.60	17.47			
10	256QAM	1	25		17.47	17.45	17.41	19	5	
10	256QAM	1	49		17.53	17.59	17.54			
10	256QAM	25	0		17.55	17.65	17.53			
10	256QAM	25	12		17.47	17.54	17.55	19	5	
10	256QAM	25	25		17.56	17.56	17.44			
10	256QAM	50	0		18.44	18.25	18.50			
Channel										
Frequency (MHz)										
					1919.97	19322	19367	Turn-up Rate (dB)	MPE (dB)	
5	QPSK	1	0		22.68	22.80	22.67			
5	QPSK	1	12		22.62	22.70	22.59	24	0	
5	QPSK	1	24		22.58	22.64	22.44			
5	QPSK	12	0		21.51	21.59	21.41			
5	QPSK	12	7		21.38	21.55	21.36	23	1	
5	QPSK	12	13		21.48	21.50	21.60			
5	QPSK	25	0		21.38	21.42	21.40			
5	16QAM	1	0		21.40	21.43	21.38			
5	16QAM	1	12		21.21	21.32	21.34	23	1	
5	16QAM	1	24		21.30	21.31	21.35			
5	16QAM	12	0		20.50	20.55	20.51			
5	16QAM	12	7		20.50	20.61	20.57	22	2	
5	16QAM	12	13		20.43	20.57	20.50			
5	16QAM	25	0		20.56	21.09	20.67			
5	64QAM	1	0		20.36	21.01	20.34			
5	64QAM	1	12		20.98	21.03	20.83	22	2	
5	64QAM	1	24		20.75	20.89	20.84			
5	64QAM	12	0		19.53	19.59	19.51			
5	64QAM	12	7		19.41	19.54	19.59	21	3	
5	64QAM	12	13		19.32	19.44	19.37			
5	64QAM	25	0		19.30	19.43	19.37			
5	256QAM	1	0		17.47	17.55	17.50			
5	256QAM	1	12		17.45	17.50	17.39	19	5	
5	256QAM	1	24		17.53	17.60	17.54			
5	256QAM	12	0		17.63	17.59	17.43			
5	256QAM	12	7		17.42	17.52	17.55	19	5	
5	256QAM	12	13		17.54	17.67	17.62			
5	256QAM	25	0		18.54	18.67	18.50			
Channel										
Frequency (MHz)										
					1919.97	19322	19367	Turn-up Rate (dB)	MPE (dB)	
3	QPSK	1	0		22.72	22.75	22.67			
3	QPSK	1	8		22.67	22.68	22.61	24	0	
3	QPSK	1	16		22.50	22.59	22.42			
3	QPSK	8	0		21.46	21.49	21.47			
3	QPSK	8	4		21.38	21.53	21.39	23	1	
3	QPSK	8	7		21.46	21.52	21.40			
3	QPSK	15	0		21.35	21.47	21.34			
3	16QAM	1	0		21.36	21.37	21.34	23	1	
3	16QAM	1	8		21.23	21.33	21.34			
3	16QAM	1	16		21.30	21.33	21.29			
3	16QAM	8	0	</						



Band 66 Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mch / Freq.	Power High Ch / Freq.	Time-up limit (min)	MPE (dB)		
Channel										
				13262	13262	13262				
				1720	1745	1770				
20	QPSK	1	0	23.20	23.27	23.11			24	0
20	QPSK	1	49	23.14	23.20	23.18				
20	QPSK	1	99	23.07	23.17	23.18				
20	QPSK	50	0	22.68	22.81	22.64			23	1
20	QPSK	50	-24	22.81	22.68	22.63				
20	QPSK	50	50	22.54	22.62	22.61				
20	QPSK	100	0	22.73	22.76	22.59				
20	16QAM	1	0	22.83	22.75	22.54			23	1
20	16QAM	1	49	22.55	22.54	22.58				
20	16QAM	1	99	22.50	22.47	22.46				
20	16QAM	50	0	21.72	21.77	21.58			22	2
20	16QAM	50	24	21.85	21.88	21.83				
20	16QAM	50	50	21.56	21.57	21.66				
20	16QAM	100	0	21.72	21.73	21.59				
20	64QAM	1	0	21.67	21.74	21.52			22	2
20	64QAM	1	49	21.52	21.54	21.55				
20	64QAM	1	99	21.48	21.48	21.52				
20	64QAM	50	0	20.68	20.82	20.59			21	3
20	64QAM	50	24	20.70	20.72	20.64				
20	64QAM	50	50	20.51	20.57	20.50				
20	64QAM	100	0	20.72	20.76	20.63				
20	256QAM	1	0	18.78	18.62	18.60			19	5
20	256QAM	1	49	18.53	18.68	18.67				
20	256QAM	1	99	18.55	18.55	18.65				
20	256QAM	50	0	18.73	18.78	18.58			19	5
20	256QAM	50	-24	18.67	18.73	18.58				
20	256QAM	50	50	18.56	18.68	18.51				
20	256QAM	100	0	18.68	18.44	18.47				
Channel										
				13267	13232	13267				
				1717.5	1745	1772.5				
15	QPSK	1	0	23.12	23.13	23.02			24	0
15	QPSK	1	37	23.08	23.11	23.02				
15	QPSK	1	74	23.04	23.09	23.09				
15	QPSK	36	0	22.57	22.71	22.66			23	1
15	QPSK	36	20	22.69	22.58	22.57				
15	QPSK	36	36	22.47	22.57	22.56				
15	QPSK	75	0	22.66	22.70	22.48				
15	16QAM	1	0	22.50	22.48	22.48			23	1
15	16QAM	1	37	22.46	22.60	22.53				
15	16QAM	1	74	22.42	22.40	22.32				
15	16QAM	36	0	21.59	21.83	21.47			22	2
15	16QAM	36	20	21.54	21.64	21.58				
15	16QAM	36	36	21.44	21.45	21.61				
15	64QAM	1	0	21.83	21.60	21.39			22	2
15	64QAM	1	37	21.62	21.58	21.65				
15	64QAM	1	74	21.35	21.35	21.34			21	3
15	64QAM	36	0	20.54	20.73	20.44				
15	64QAM	36	20	20.67	20.66	20.65				
15	64QAM	36	36	20.52	20.46	20.51				
15	64QAM	75	0	20.58	20.62	20.67				
15	256QAM	1	0	18.65	18.71	18.42			19	5
15	256QAM	1	37	18.53	18.54	18.52				
15	256QAM	1	74	18.50	18.41	18.56				
15	256QAM	36	0	18.67	18.58	18.42			19	5
15	256QAM	36	20	18.59	18.58	18.40				
15	256QAM	36	36	18.51	18.57	18.38				
15	256QAM	75	0	18.39	18.31	18.38				
Channel										
				13262	13232	13262				
				1715	1745	1775				
10	QPSK	1	0	23.08	23.17	22.48			24	0
10	QPSK	1	25	23.03	23.13	22.59				
10	QPSK	1	49	23.00	23.03	23.07				
10	QPSK	25	0	22.59	22.68	22.54			23	1
10	QPSK	25	12	22.56	22.84	22.49				
10	QPSK	25	25	22.42	22.57	22.52				
10	QPSK	50	0	22.81	22.66	22.65				
10	16QAM	1	0	22.57	22.67	22.45			23	1
10	16QAM	1	25	22.45	22.61	22.50				
10	16QAM	1	49	22.39	22.52	22.52				
10	16QAM	25	0	21.82	21.62	21.48			22	2
10	16QAM	25	12	21.50	21.56	21.87				
10	16QAM	25	25	21.44	21.62	21.68				
10	16QAM	50	0	21.58	21.60	21.50				
10	64QAM	1	0	21.62	21.61	21.42			22	2
10	64QAM	1	25	21.44	21.51	21.42				
10	64QAM	1	49	21.35	21.41	21.28			21	3
10	64QAM	25	0	20.63	20.73	20.47				
10	64QAM	25	12	20.65	20.67	20.62				
10	64QAM	25	25	20.47	20.48	20.48				
10	64QAM	50	0	20.57	20.67	20.55				
10	256QAM	1	0	18.68	18.68	18.43			19	5
10	256QAM	1	25	18.59	18.54	18.63				
10	256QAM	1	49	18.48	18.48	18.57				
10	256QAM	25	0	18.68	18.72	18.43			19	5
10	256QAM	25	12	18.60	18.61	18.41				
10	256QAM	25	25	18.43	18.62	18.42				
10	256QAM	50	0	18.34	18.20	18.34				
Channel										
				13197	13232	13267				
				1742.5	1745	1772.5				
5	QPSK	1	0	23.08	23.18	23.05			24	0
5	QPSK	1	12	23.00	23.05	23.03				
5	QPSK	1	24	22.97	23.02	23.11				
5	QPSK	12	0	22.64	22.78	22.66			23	1
5	QPSK	12	7	22.48	22.58	22.50				
5	QPSK	12	13	22.48	22.49	22.51				
5	QPSK	25	0	22.69	22.69	22.45				
5	16QAM	1	0	22.48	22.68	22.39			23	1
5	16QAM	1	12	22.46	22.50	22.42				
5	16QAM	1	24	22.35	22.42	22.32				
5	16QAM	12	0	21.84	21.70	21.68			22	2
5	16QAM	12	7	21.65	21.54	21.59				
5	16QAM	12	13	21.68	21.48	21.57				
5	16QAM	25	0	21.66	21.68	21.48				
5	64QAM	1	0	21.62	21.63	21.41			22	2
5	64QAM	1	12	21.42	21.59	21.41				
5	64QAM	1	24	21.35	21.43	21.27			21	3
5	64QAM	12	0	20.58	20.71	20.55				
5	64QAM	12	7	20.57	20.57	20.59				
5	64QAM	12	13	20.46	20.51	20.48				
5	16QAM	25	0	20.68	20.72	20.63				
5	256QAM	1	0	18.73	18.72	18.52			19	5
5	256QAM	1	12	18.50	18.52	18.57				
5	256QAM	1	24	18.40	18.42	18.46				
5	256QAM	12	0	18.69	18.73	18.53			19	5
5	256QAM	12	7	18.58	18.64	18.43				
5	256QAM	25	0	18.32	18.32	18.31				
Channel										
				13168	13232	13267				
				1741.5	1745	1772.5				
3	QPSK	1	0	23.15	23.20	23.05			24	0
3	QPSK	1	8	23.02	23.16	23.06				
3	QPSK	1	14	22.97	23.08	23.10				
3	QPSK	8	0	22.58	22.78	22.59			23	1
3	QPSK	8	4	22.50	22.54	22.49				
3	QPSK	8	7	22.48	22.51	22.51				
3	QPSK	15	0	22.69	22.70	22.59				
3	16QAM	1	0	22.51	22.69	22.50			23	1
3	16QAM	1	8	22.41	22.60	22.44				
3	16QAM	1	14	22.42	22.40	22.32				
3	16QAM	8	0	21.59	21.64	21.44			22	2
3										



Band 66 Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power			Time-up (min)	MPR (dB)
				Low	Mid	High		
Channel				13097	13099	13099		
Frequency (MHz)				1740	1745	1770		
20	QPSK	1	0	22.20	22.20	22.19	23.3	0
20	QPSK	1	49	22.16	22.25	22.23		
20	QPSK	1	99	22.06	22.19	22.07		
20	QPSK	50	0	22.00	22.03	22.01	23.3	0
20	QPSK	50	24	22.09	22.21	22.08		
20	QPSK	50	50	21.96	22.05	21.96		
20	QPSK	100	0	22.08	22.18	22.10	23	0.3
20	16QAM	1	0	22.01	22.16	22.01		
20	16QAM	1	49	22.02	22.13	21.98		
20	16QAM	1	99	21.98	22.06	21.94	22	1.3
20	16QAM	50	0	21.59	21.68	21.55		
20	16QAM	50	24	21.65	21.71	21.62		
20	16QAM	50	50	21.46	21.60	21.47	22	1.3
20	16QAM	100	0	21.58	21.67	21.62		
20	16QAM	1	0	21.48	21.56	21.52		
20	16QAM	1	49	21.54	21.60	21.43	21	2.3
20	16QAM	1	99	21.49	21.53	21.46		
20	16QAM	50	0	20.57	20.64	20.55		
20	16QAM	50	24	20.61	20.72	20.61	19	4.3
20	16QAM	50	50	20.44	20.62	20.50		
20	16QAM	100	0	20.53	20.65	20.64		
20	16QAM	1	0	18.56	18.69	18.59	19	4.3
20	16QAM	1	49	18.57	18.73	18.60		
20	16QAM	1	99	18.50	18.49	18.43		
20	16QAM	50	0	18.62	18.63	18.56	19	4.3
20	16QAM	50	24	18.61	18.65	18.46		
20	16QAM	50	50	18.40	18.65	18.52		
20	16QAM	100	0	18.45	18.63	18.47		
Channel				13097	13099	13099	Time-up (min)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
16	QPSK	1	0	22.10	22.24	22.13	23.3	0
16	QPSK	1	39	22.10	22.31	22.13		
16	QPSK	1	74	21.91	22.13	22.04		
16	QPSK	36	0	22.04	22.14	22.03	23.3	0
16	QPSK	36	20	21.97	22.07	22.02		
16	QPSK	36	39	21.93	21.99	21.88		
16	QPSK	75	0	22.03	22.05	21.97	23	0.3
16	16QAM	1	0	21.95	22.13	21.99		
16	16QAM	1	39	21.90	22.02	21.93		
16	16QAM	1	74	21.62	21.97	21.91	22	1.3
16	16QAM	36	0	21.56	21.61	21.46		
16	16QAM	36	20	21.49	21.67	21.52		
16	16QAM	36	39	21.36	21.54	21.37	22	1.3
16	16QAM	75	0	21.49	21.63	21.57		
16	16QAM	1	0	21.36	21.64	21.39		
16	16QAM	1	39	21.40	21.57	21.30	21	2.3
16	16QAM	1	74	21.46	21.47	21.38		
16	16QAM	36	0	20.48	20.58	20.44		
16	16QAM	36	20	20.53	20.59	20.56	19	4.3
16	16QAM	36	39	20.38	20.55	20.47		
16	16QAM	75	0	20.41	20.51	20.50		
16	16QAM	1	0	18.48	18.65	18.55	19	4.3
16	16QAM	1	39	18.47	18.62	18.55		
16	16QAM	1	74	18.46	18.39	18.31		
16	16QAM	36	0	18.51	18.60	18.53	19	4.3
16	16QAM	36	20	18.49	18.60	18.42		
16	16QAM	36	39	18.37	18.60	18.42		
16	16QAM	75	0	18.41	18.47	18.43		
Channel				13097	13099	13099	Time-up (min)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
16	QPSK	1	0	22.10	22.25	22.14	23.3	0
16	QPSK	1	25	22.09	22.12	22.03		
16	QPSK	1	49	21.92	22.07	22.02		
16	QPSK	25	0	22.07	22.10	22.02	23.3	0
16	QPSK	25	12	21.99	22.16	22.01		
16	QPSK	25	25	21.97	21.94	21.82		
16	QPSK	50	0	22.04	22.06	22.07	23	0.3
16	16QAM	1	0	21.96	22.14	21.97		
16	16QAM	1	24	21.92	22.11	21.88		
16	16QAM	1	49	21.89	21.92	21.83	22	1.3
16	16QAM	36	0	21.46	21.60	21.49		
16	16QAM	25	12	21.43	21.63	21.57		
16	16QAM	25	25	21.36	21.65	21.40	22	1.3
16	16QAM	50	0	21.56	21.61	21.56		
16	16QAM	1	0	21.43	21.52	21.48		
16	16QAM	1	25	21.50	21.55	21.40	21	2.3
16	16QAM	1	49	21.38	21.41	21.39		
16	16QAM	25	0	20.49	20.58	20.43		
16	16QAM	25	12	20.58	20.62	20.54	19	4.3
16	16QAM	25	24	20.55	20.48	20.44		
16	16QAM	50	0	20.45	20.61	20.60		
16	16QAM	1	0	18.45	18.60	18.46	19	4.3
16	16QAM	1	25	18.51	18.66	18.40		
16	16QAM	1	49	18.37	18.39	18.38		
16	16QAM	36	0	18.60	18.61	18.42	19	4.3
16	16QAM	36	12	18.40	18.57	18.42		
16	16QAM	25	25	18.42	18.52	18.50		
16	16QAM	50	0	18.41	18.43	18.41		
Channel				13097	13099	13099	Time-up (min)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
8	QPSK	1	0	22.15	22.19	22.12	23.3	0
8	QPSK	1	12	22.12	22.19	22.12		
8	QPSK	1	24	21.93	22.07	21.96		
8	QPSK	12	0	21.99	22.15	22.02	23.3	0
8	QPSK	12	7	21.95	22.11	21.98		
8	QPSK	12	13	21.93	22.01	21.94		
8	QPSK	25	0	21.98	22.06	21.98	23	0.3
8	16QAM	1	0	21.89	22.02	21.95		
8	16QAM	1	12	21.93	22.00	21.88		
8	16QAM	1	24	21.83	22.04	21.88	22	1.3
8	16QAM	12	0	21.52	21.60	21.43		
8	16QAM	12	7	21.51	21.66	21.59		
8	16QAM	12	13	21.40	21.52	21.40	22	1.3
8	16QAM	25	0	21.47	21.54	21.52		
8	16QAM	1	0	21.36	21.61	21.36		
8	16QAM	1	12	21.81	21.82	21.81	21	2.3
8	16QAM	1	24	21.45	21.39	21.30		
8	16QAM	12	0	20.43	20.55	20.49		
8	16QAM	12	7	20.51	20.66	20.58	19	4.3
8	16QAM	12	13	20.58	20.50	20.43		
8	16QAM	25	0	20.43	20.60	20.50		
8	16QAM	1	0	18.52	18.67	18.48	19	4.3
8	16QAM	1	12	18.60	18.60	18.46		
8	16QAM	1	24	18.41	18.35	18.31		
8	16QAM	12	0	18.55	18.59	18.52	19	4.3
8	16QAM	12	7	18.47	18.41	18.38		
8	16QAM	12	13	18.38	18.60	18.44		
8	16QAM	25	0	18.34	18.39	18.44		
Channel				13097	13099	13099	Time-up (min)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
8	QPSK	1	0	22.12	22.23	22.10	23.3	0
8	QPSK	1	8	22.08	22.12	22.11		
8	QPSK	1	14	21.91	22.05	22.04		
8	QPSK	8	0	21.97	22.14	22.04	23.3	0
8	QPSK	8	4	22.02	22.12	21.99		
8	QPSK	8	7	21.83	22.00	21.83		
8	QPSK	15	0	21.95	22.10	21.97	23	0.3
8	16QAM	1	0	21.92	22.05	21.94		
8	16QAM	1	8	21.95	21.99	21.95		
8	16QAM	1	14	21.84	22.00	21.81	22	1.3
8	16QAM	8	0	21.55	21.59	21.52		
8	16QAM	8	4	21.52	21.68	21.56		
8	16QAM	8	7	21.36	21.54	21.36	22	1.3
8	16QAM	15	0	21.48	21.60	21.51		
8	16QAM	1	0	21.43	21.60	21.47		
8	16QAM	1	8	21.69	21.95	21.97	21	2.3
8	16QAM	1	14	21.39	21.41	21.42		
8	16QAM	8	0	20.49	20.60	20.49		
8	16QAM	8	4	20.55	20.64	20.57	19	4.3
8	16QAM	8	7	20.33	20.50	20.40		
8	16QAM	15	0	20.43	20.59	20.51		
8	16QAM	1	0	18.43	18.59	18.47	19	4.3
8	16QAM	1	8	18.44	18.60	18.50		
8	16QAM	1	14	18.44	18.36	18.42		
8	16QAM	8	0	18.56	18.56	18.45	19	4.3
8	16QAM	8	4	18.48	18.54	18.37		
8	16QAM	8	7	18.39	18.60	18.41		
8	16QAM	15	0	18.35	18.39	18.36		
Channel				13097	13099	13099	Time-up (min)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
14	QPSK	1	0	22.10	22.19	22.13	23.3	0
14	QPSK	1	3	22.11	22.21	22.09		
14	QPSK	1	5	21.97	22.07	22.00		
14	QPSK	3	0	21.99	22.14	22.04	23.3	0
14	QPSK	3	1	22.08	22.09	22.04		
14	QPSK	3	3	21.91	22.04	21.91		
14	QPSK	6	0	22.06	22.15	22.08	23	0
14	16QAM	1	0	22.05	22.19	21.96		
14	16QAM	1	3	21.94	22.00	21.92		
14	16QAM	1	5	21.97	22.08	22.11	23	0.3
14	16QAM	3	0	21.99	22.19	21.99		
14	16QAM	3	1	21.91	21.98	21.97		
14	16QAM	3	3	22.06	22.10	22.02	22	1.3
14	16QAM	6	0	21.52	21.66	21.59		
14	16QAM	1	0	21.58	21.69	21.44		
14	16QAM	1	3	21.56	21.60	21.40	22	1.3
14	16QAM	1	5	21.69	21.52	21.59		
14	16QAM	3	0	21.47	21.73	21.52		
14	16QAM	3	1	21.46	21.44	21.41	21	2.3
14	16QAM	3	3	21.51	21.59	21.55		
14	16QAM	6	0	20.52	20.71	20.59		
14	16QAM	1	0	18.57	18.61	18.56	19	4.3
14	16QAM	1	3	18.56	18			



Reduced Power Mode for DSB-Standalone&Simultaneous

Band 66 Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch. Freq. 15097.5	Power Middle Ch. Freq. 15102.5	Power High Ch. Freq. 15107.5	Tune-up (MHz)	MPE (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	0	21.28	21.35	21.42			
20	QPSK	1	49	0	21.24	21.32	21.43	22.3	0	
20	QPSK	1	99	0	21.17	21.11	21.04			
20	QPSK	50	0	0	21.19	21.35	21.35			
20	QPSK	50	24	0	21.18	21.22	21.08	22.3	0	
20	QPSK	50	50	0	21.11	21.00	20.92			
20	QPSK	100	0	0	21.16	21.25	21.34			
20	16QAM	1	0	0	21.17	21.27	21.03			
20	16QAM	1	49	0	21.04	20.98	20.91	22.3	0	
20	16QAM	1	99	0	21.10	21.17	21.30			
20	16QAM	50	0	0	20.73	20.73	20.61			
20	16QAM	50	24	0	20.70	20.66	20.56	22	0.3	
20	16QAM	50	50	0	20.59	20.46	20.46			
20	16QAM	100	0	0	20.70	20.77	20.67			
20	64QAM	1	0	0	20.63	20.72	20.58			
20	64QAM	1	49	0	20.50	20.44	20.37	22	0.3	
20	64QAM	1	99	0	20.60	20.69	20.62			
20	64QAM	50	0	0	19.71	19.77	19.66			
20	64QAM	50	24	0	19.69	19.65	19.61	21	1.3	
20	64QAM	50	50	0	19.65	19.47	19.47			
20	64QAM	100	0	0	19.63	19.70	19.69			
20	256QAM	1	0	0	17.71	17.83	17.65			
20	256QAM	1	49	0	17.69	17.60	17.36	19	3.3	
20	256QAM	1	99	0	17.62	17.65	17.61			
20	256QAM	50	0	0	17.76	17.77	17.65			
20	256QAM	50	24	0	17.73	17.74	17.64	19	3.3	
20	256QAM	50	50	0	17.56	17.60	17.44			
20	256QAM	100	0	0	17.67	17.66	17.63			
Channel										
Frequency (MHz)										
15	QPSK	1	0	0	21.14	21.31	21.44			
15	QPSK	1	37	0	21.15	21.18	21.09	22.3	0	
15	QPSK	1	74	0	21.11	21.08	20.99			
15	QPSK	36	0	0	21.08	21.12	21.03			
15	QPSK	36	20	0	21.10	21.15	20.99	22.3	0	
15	QPSK	36	39	0	21.05	20.90	20.84			
15	QPSK	36	58	0	21.13	21.17	21.04			
15	16QAM	1	0	0	21.03	21.13	20.97			
15	16QAM	1	37	0	20.99	20.87	20.77	22.3	0	
15	16QAM	1	74	0	21.01	21.04	21.01			
15	16QAM	36	0	0	20.89	20.66	20.49			
15	16QAM	36	20	0	20.58	20.59	20.44	22	0.3	
15	16QAM	36	39	0	20.62	20.37	20.28			
15	16QAM	75	0	0	20.82	20.64	20.61			
15	64QAM	1	0	0	20.21	20.61	20.45			
15	64QAM	1	37	0	20.39	20.40	20.23	22	0.3	
15	64QAM	1	74	0	20.49	20.55	20.49			
15	64QAM	36	0	0	19.87	19.87	19.87			
15	64QAM	36	20	0	19.55	19.58	19.55	21	1.3	
15	64QAM	36	39	0	19.52	19.38	19.38			
15	256QAM	1	0	0	17.62	17.62	17.52			
15	256QAM	1	37	0	17.45	17.43	17.25	19	3.3	
15	256QAM	1	74	0	17.59	17.60	17.65			
15	256QAM	36	0	0	17.64	17.65	17.61			
15	256QAM	36	20	0	17.68	17.62	17.46	19	3.3	
15	256QAM	36	39	0	17.51	17.42	17.46			
15	256QAM	75	0	0	17.58	17.67	17.66			
Channel										
Frequency (MHz)										
10	QPSK	1	0	0	21.19	21.30	21.13			
10	QPSK	1	25	0	21.13	21.20	21.07	22.3	0	
10	QPSK	1	49	0	21.04	20.98	20.89			
10	QPSK	25	0	0	21.06	21.21	21.08			
10	QPSK	25	12	0	21.12	21.17	21.04	22.3	0	
10	QPSK	25	25	0	21.06	20.91	20.80			
10	QPSK	50	0	0	21.11	21.17	21.07			
10	16QAM	1	0	0	21.10	21.19	20.97			
10	16QAM	1	25	0	20.91	20.89	20.80	22.3	0	
10	16QAM	1	49	0	20.98	21.14	21.07			
10	16QAM	25	0	0	20.62	20.59	20.51			
10	16QAM	25	12	0	20.59	20.54	20.45	22	0.3	
10	16QAM	25	24	0	20.55	20.45	20.40			
10	16QAM	50	0	0	20.66	20.63	20.62			
10	64QAM	1	0	0	20.32	20.38	20.47			
10	64QAM	1	25	0	20.44	20.33	20.28	22	0.3	
10	64QAM	1	49	0	20.54	20.55	20.48			
10	64QAM	25	0	0	19.99	19.99	19.84			
10	64QAM	25	12	0	19.65	19.69	19.48	21	1.3	
10	64QAM	25	24	0	19.58	19.39	19.35			
10	256QAM	1	0	0	17.61	17.67	17.54			
10	256QAM	1	0	0	17.63	17.73	17.43			
10	256QAM	1	25	0	17.45	17.44	17.24	19	3.3	
10	256QAM	1	49	0	17.58	17.55	17.51			
10	256QAM	25	0	0	17.62	17.63	17.50			
10	256QAM	25	12	0	17.62	17.61	17.50	19	3.3	
10	256QAM	25	24	0	17.42	17.46	17.28			
10	256QAM	50	0	0	17.60	17.64	17.50			
Channel										
Frequency (MHz)										
5	QPSK	1	0	0	21.19	21.22	21.10			
5	QPSK	1	12	0	21.19	21.20	21.04	22.3	0	
5	QPSK	1	24	0	21.07	21.02	20.95			
5	QPSK	12	0	0	21.10	21.15	21.07			
5	QPSK	12	7	0	21.14	21.14	20.94	22.3	0	
5	QPSK	12	13	0	20.99	20.96	20.78			
5	QPSK	25	0	0	21.03	21.15	20.99			
5	16QAM	1	0	0	21.05	21.13	20.88			
5	16QAM	1	12	0	20.87	20.92	20.77	22.3	0	
5	16QAM	1	24	0	20.99	21.12	20.97			
5	16QAM	12	0	0	20.65	20.63	20.53			
5	16QAM	12	7	0	20.60	20.56	20.49	22	0.3	
5	16QAM	12	13	0	20.53	20.38	20.41			
5	16QAM	25	0	0	20.61	20.63	20.63			
5	64QAM	1	0	0	20.54	20.65	20.57			
5	64QAM	1	12	0	20.35	20.37	20.23	22	0.3	
5	64QAM	1	24	0	20.57	20.57	20.49			
5	64QAM	12	0	0	19.64	19.72	19.54			
5	64QAM	12	7	0	19.59	19.64	19.54	21	1.3	
5	64QAM	12	13	0	19.61	19.33	19.37			
5	64QAM	25	0	0	19.51	19.55	19.63			
5	256QAM	1	0	0	17.64	17.72	17.41			
5	256QAM	1	12	0	17.51	17.44	17.23	19	3.3	
5	256QAM	1	24	0	17.48	17.52	17.63			
5	256QAM	12	0	0	17.67	17.74	17.60			
5	256QAM	12	7	0	17.60	17.60	17.42	19	3.3	
5	256QAM	12	13	0	17.63	17.43	17.24			
5	256QAM	25	0	0	17.62	17.59	17.51			
Channel										
Frequency (MHz)										
3	QPSK	1	0	0	21.15	21.26	21.14			
3	QPSK	1	8	0	21.17	21.19	21.06	22.3	0	
3	QPSK	1	14	0	21.09	21.02	20.99			
3	QPSK	8	0	0	21.04	21.11	21.07			
3	QPSK	8	4	0	21.14	21.16	20.99	22.3	0	
3	QPSK	8	7	0	21.02	20.96	20.78			
3	QPSK	15	0	0	21.12	21.09	21.04			
3	16QAM	1	0	0	21.10	21.13	20.88			
3	16QAM	1	8	0	20.98	20.87	20.87	22.3	0	
3	16QAM	1	14	0	20.99	21.08	20.99			
3	16QAM	8	0	0	20.67	20.62	20.43	22	0.3	
3	16QAM	8	7	0	20.47	20.34	20.41			
3										



Band 66 Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Time-up limit (min)	MPE (dB)		
Channel										
Frequency (MHz)				1750	1745	1772				
20	QPSK	1	0	23.73	23.76	23.66			24	0
20	QPSK	1	49	23.69	23.73	23.62				
20	QPSK	1	99	23.65	23.69	23.61				
20	QPSK	50	0	22.63	22.66	22.58			23	1
20	QPSK	50	-24	22.65	22.61	22.52				
20	QPSK	50	50	22.46	22.57	22.47				
20	QPSK	100	0	22.44	22.59	22.45				
20	16QAM	1	0	22.32	22.37	22.33			23	1
20	16QAM	1	49	22.24	22.32	22.21				
20	16QAM	1	99	22.22	22.29	22.21				
20	16QAM	50	0	21.58	21.66	21.56			22	2
20	16QAM	50	24	21.56	21.62	21.58				
20	16QAM	50	50	21.53	21.59	21.52				
20	16QAM	100	0	21.43	21.53	21.49				
20	64QAM	1	0	21.81	21.86	21.80			22	2
20	64QAM	1	49	21.71	21.83	21.80				
20	64QAM	1	99	21.72	21.79	21.68				
20	64QAM	50	0	20.65	20.62	20.53			21	3
20	64QAM	50	24	20.53	20.58	20.51				
20	64QAM	50	50	20.37	20.56	20.35				
20	64QAM	100	0	20.39	20.53	20.47				
20	256QAM	1	0	18.44	18.57	18.51			19	5
20	256QAM	1	49	18.45	18.51	18.44				
20	256QAM	1	99	18.42	18.46	18.38				
20	256QAM	50	0	18.39	18.53	18.38			19	5
20	256QAM	50	-24	18.42	18.50	18.39				
20	256QAM	50	50	18.46	18.52	18.40				
20	256QAM	100	0	18.35	18.49	18.41				
Channel										
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	23.67	23.76	23.66			24	0
15	QPSK	1	37	23.61	23.66	23.52				
15	QPSK	1	74	23.50	23.58	23.56				
15	QPSK	36	0	22.49	22.54	22.47			23	1
15	QPSK	36	20	22.44	22.47	22.49				
15	QPSK	36	36	22.34	22.49	22.39				
15	QPSK	75	0	22.40	22.46	22.42				
15	16QAM	1	0	22.23	22.25	22.29			23	1
15	16QAM	1	37	22.14	22.21	22.14				
15	16QAM	1	74	22.12	22.25	22.12				
15	16QAM	36	0	21.45	21.58	21.47			22	2
15	16QAM	36	20	21.53	21.49	21.47				
15	16QAM	36	36	21.48	21.51	21.45				
15	16QAM	75	0	21.30	21.38	21.38				
15	64QAM	1	0	21.71	21.77	21.67			22	2
15	64QAM	1	37	21.63	21.75	21.68				
15	64QAM	1	74	21.59	21.71	21.58				
15	64QAM	36	0	20.52	20.49	20.40			21	3
15	64QAM	36	20	20.45	20.53	20.38				
15	64QAM	36	36	20.31	20.36	20.21				
15	64QAM	75	0	20.34	20.39	20.39				
15	256QAM	1	0	18.41	18.56	18.46			19	5
15	256QAM	1	37	18.30	18.48	18.32				
15	256QAM	1	74	18.33	18.40	18.25				
15	256QAM	36	0	18.36	18.44	18.28			19	5
15	256QAM	36	20	18.32	18.43	18.27				
15	256QAM	36	36	18.42	18.40	18.33				
15	256QAM	75	0	18.35	18.43	18.27				
Channel										
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	23.60	23.66	23.52			24	0
10	QPSK	1	25	23.55	23.64	23.52				
10	QPSK	1	49	23.48	23.56	23.48				
10	QPSK	25	0	22.57	22.62	22.50			23	1
10	QPSK	25	12	22.52	22.51	22.38				
10	QPSK	25	25	22.41	22.45	22.42				
10	QPSK	50	0	22.33	22.54	22.35				
10	16QAM	1	0	22.29	22.30	22.27			23	1
10	16QAM	1	25	22.13	22.18	22.16				
10	16QAM	1	49	22.18	22.24	22.15				
10	16QAM	25	0	21.52	21.62	21.43			22	2
10	16QAM	25	12	21.51	21.54	21.43				
10	16QAM	25	25	21.41	21.46	21.41				
10	16QAM	50	0	21.39	21.45	21.37				
10	64QAM	1	0	21.72	21.80	21.65			22	2
10	64QAM	1	25	21.68	21.70	21.64				
10	64QAM	1	49	21.69	21.74	21.58				
10	64QAM	25	0	20.40	20.54	20.48			21	3
10	64QAM	25	12	20.45	20.48	20.45				
10	64QAM	25	25	20.35	20.44	20.21				
10	64QAM	50	0	20.38	20.47	20.38				
10	256QAM	1	0	18.31	18.51	18.40			19	5
10	256QAM	1	25	18.41	18.38	18.32				
10	256QAM	1	49	18.29	18.37	18.34				
10	256QAM	25	0	18.38	18.46	18.38			19	5
10	256QAM	25	12	18.32	18.41	18.30				
10	256QAM	25	25	18.39	18.44	18.34				
10	256QAM	50	0	18.31	18.44	18.31				
Channel										
Frequency (MHz)				1712.5	1743	1771.5				
5	QPSK	1	0	23.60	23.70	23.52			24	0
5	QPSK	1	12	23.50	23.63	23.49				
5	QPSK	1	24	23.47	23.57	23.53				
5	QPSK	12	0	22.51	22.52	22.43			23	1
5	QPSK	12	7	22.48	22.48	22.44				
5	QPSK	12	13	22.43	22.47	22.44				
5	QPSK	25	0	22.33	22.53	22.40				
5	16QAM	1	0	22.27	22.28	22.20			23	1
5	16QAM	1	12	22.15	22.21	22.10				
5	16QAM	1	24	22.16	22.15	22.11				
5	16QAM	12	0	21.48	21.53	21.43			22	2
5	16QAM	12	7	21.42	21.59	21.47				
5	16QAM	12	13	21.48	21.48	21.45				
5	16QAM	25	0	21.29	21.42	21.45				
5	64QAM	1	0	21.68	21.79	21.70			22	2
5	64QAM	1	12	21.67	21.77	21.63				
5	64QAM	1	24	21.69	21.64	21.58				
5	64QAM	12	0	20.50	20.51	20.41			21	3
5	64QAM	12	7	20.49	20.50	20.42				
5	64QAM	12	13	20.28	20.40	20.28				
5	16QAM	25	0	20.35	20.39	20.41				
5	256QAM	1	0	18.39	18.46	18.41			19	5
5	256QAM	1	12	18.39	18.42	18.38				
5	256QAM	1	24	18.39	18.32	18.30				
5	256QAM	12	0	18.35	18.49	18.27			19	5
5	256QAM	12	7	18.37	18.44	18.35				
5	256QAM	12	13	18.37	18.38	18.35				
5	256QAM	25	0	18.29	18.38	18.30				
Channel										
Frequency (MHz)				1718.75	1745.25	1771.75				
3	QPSK	1	0	23.69	23.68	23.59			24	0
3	QPSK	1	8	23.65	23.63	23.58				
3	QPSK	1	14	23.43	23.57	23.52				
3	QPSK	8	0	22.59	22.59	22.45			23	1
3	QPSK	8	4	22.49	22.52	22.38				
3	QPSK	8	7	22.42	22.46	22.40				
3	QPSK	15	0	22.39	22.46	22.32				
3	16QAM	1	0	22.23	22.25	22.20			23	1
3	16QAM	1	8	22.10	22.17	22.16				
3	16QAM	1	14	22.16	22.15	22.15				
3	16QAM	8	0	21.55	21.57	21.44			22	2
3	16QAM	8	4	21.41	21.50	21.51				
3	16QAM	8	7	21.45	21.					



Reduced Power Mode for DSIS-Standalone

Band 66 Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch. Freq. 150972	Power Middle Ch. Freq. 150992	Power High Ch. Freq. 151012	Turn-up (dB)	MPE (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	150972	150972	150992	151012			
20	QPSK	1	49	2176	2176	2184	2192	22.9	0	
20	QPSK	1	99	2163	2165	2160	2157			
20	QPSK	50	0	2161	2178	2184	2192			
20	QPSK	50	24	2162	2175	2157	2157			
20	QPSK	50	50	2153	2155	2156	2156			
20	QPSK	100	0	2161	2175	2181	2187			
20	16QAM	1	0	2161	2171	2173	2173	22.9	0	
20	16QAM	1	49	2161	2175	2147	2147			
20	16QAM	1	99	2152	2155	2150	2150			
20	16QAM	50	0	2056	2079	2056	2056			
20	16QAM	50	24	2067	2077	2058	2058			
20	16QAM	50	50	2052	2058	2052	2052			
20	16QAM	100	0	2055	2072	2050	2050			
20	64QAM	1	0	2056	2066	2065	2065			
20	64QAM	1	49	2063	2076	2066	2066			
20	64QAM	1	99	2046	2054	2051	2051			
20	64QAM	50	0	1964	1973	1963	1963			
20	64QAM	50	24	1957	1967	1961	1961			
20	64QAM	50	50	1957	1954	1961	1961			
20	64QAM	100	0	1958	1956	1964	1964			
20	256QAM	1	0	1763	1762	1765	1765			
20	256QAM	1	49	1787	1778	1787	1787			
20	256QAM	1	99	1754	1760	1763	1763			
20	256QAM	50	0	1767	1767	1762	1762			
20	256QAM	50	24	1787	1768	1768	1768			
20	256QAM	50	50	1756	1773	1761	1761			
20	256QAM	100	0	1753	1744	1748	1748			
Channel										
Frequency (MHz)										
15	QPSK	1	0	150972	150972	150992	151012			
15	QPSK	1	37	2163	2175	2156	2156	22.9	0	
15	QPSK	1	74	2154	2165	2148	2148			
15	QPSK	36	0	2156	2172	2154	2154			
15	QPSK	36	20	2155	2172	2154	2154			
15	QPSK	36	39	2144	2150	2142	2142			
15	QPSK	36	58	2144	2150	2142	2142			
15	16QAM	1	0	2154	2157	2160	2160	22.9	0	
15	16QAM	1	37	2147	2170	2137	2137			
15	16QAM	1	74	2142	2146	2144	2144			
15	16QAM	36	0	2051	2068	2052	2052			
15	16QAM	36	20	2058	2069	2050	2050			
15	16QAM	36	39	2048	2052	2044	2044			
15	16QAM	75	0	2060	2062	2059	2059			
15	64QAM	1	0	2042	2056	2052	2052			
15	64QAM	1	37	2056	2067	2060	2060			
15	64QAM	1	74	2039	2042	2044	2044			
15	64QAM	36	0	1959	1958	1955	1955			
15	64QAM	36	20	1953	1950	1956	1956			
15	64QAM	36	39	1942	1945	1952	1952			
15	256QAM	1	0	1757	1757	1759	1759			
15	256QAM	1	37	1744	1769	1748	1748			
15	256QAM	1	74	1745	1751	1744	1744			
15	256QAM	36	0	1758	1761	1753	1753			
15	256QAM	36	20	1759	1763	1762	1762			
15	256QAM	36	39	1744	1766	1741	1741			
15	256QAM	75	0	1739	1742	1745	1745			
Channel										
Frequency (MHz)										
10	QPSK	1	0	2171	2181	2162	2162			
10	QPSK	1	25	2166	2173	2164	2164	22.9	0	
10	QPSK	1	49	2154	2158	2161	2161			
10	QPSK	25	0	2153	2166	2159	2159			
10	QPSK	25	12	2149	2162	2161	2161			
10	QPSK	25	25	2147	2143	2146	2146			
10	QPSK	50	0	2161	2167	2164	2164			
10	16QAM	1	0	2165	2168	2162	2162	22.9	0	
10	16QAM	1	25	2153	2164	2139	2139			
10	16QAM	1	49	2143	2147	2143	2143			
10	16QAM	25	0	2052	2069	2062	2062			
10	16QAM	25	12	2058	2069	2045	2045			
10	16QAM	25	24	2043	2049	2046	2046			
10	16QAM	50	0	2058	2069	2045	2045			
10	64QAM	1	0	2044	2059	2057	2057			
10	64QAM	1	25	2049	2072	2042	2042			
10	64QAM	1	49	2042	2040	2046	2046			
10	64QAM	25	0	1954	1963	1949	1949			
10	64QAM	25	12	1951	1958	1950	1950			
10	64QAM	25	25	1944	1950	1947	1947			
10	256QAM	1	0	1756	1756	1759	1759			
10	256QAM	1	25	1747	1768	1750	1750			
10	256QAM	1	49	1746	1746	1747	1747			
10	256QAM	25	0	1756	1755	1756	1756			
10	256QAM	25	12	1755	1762	1759	1759			
10	256QAM	25	25	1750	1758	1743	1743			
10	256QAM	50	0	1746	1745	1750	1750			
Channel										
Frequency (MHz)										
5	QPSK	1	0	2164	2176	2162	2162			
5	QPSK	1	12	2158	2179	2156	2156	22.9	0	
5	QPSK	1	24	2152	2169	2161	2161			
5	QPSK	12	0	2158	2172	2161	2161			
5	QPSK	12	7	2155	2169	2144	2144			
5	QPSK	12	13	2148	2141	2140	2140			
5	QPSK	25	0	2144	2157	2152	2152			
5	16QAM	1	0	2150	2162	2159	2159	22.9	0	
5	16QAM	1	12	2146	2164	2143	2143			
5	16QAM	1	24	2139	2146	2143	2143			
5	16QAM	12	0	2052	2073	2059	2059			
5	16QAM	12	7	2060	2072	2052	2052			
5	16QAM	12	13	2042	2050	2044	2044			
5	16QAM	25	0	2059	2063	2061	2061			
5	64QAM	1	0	2046	2059	2053	2053			
5	64QAM	1	12	2056	2072	2056	2056			
5	64QAM	1	24	2031	2044	2045	2045			
5	64QAM	12	0	1959	1959	1954	1954			
5	64QAM	12	7	1947	1963	1950	1950			
5	64QAM	12	13	1953	1942	1949	1949			
5	64QAM	25	0	1957	1956	1957	1957			
5	256QAM	1	0	1759	1779	1753	1753			
5	256QAM	1	12	1745	1775	1753	1753			
5	256QAM	1	24	1745	1751	1747	1747			
5	256QAM	12	0	1755	1753	1757	1757			
5	256QAM	12	7	1754	1762	1759	1759			
5	256QAM	12	13	1752	1766	1744	1744			
5	256QAM	25	0	1746	1747	1742	1742			
Channel										
Frequency (MHz)										
3	QPSK	1	0	2161	2171	2161	2161			
3	QPSK	1	8	2167	2176	2146	2146	22.9	0	
3	QPSK	1	14	2154	2161	2147	2147			
3	QPSK	8	0	2150	2172	2157	2157			
3	QPSK	8	4	2148	2172	2146	2146			
3	QPSK	8	7	2136	2148	2141	2141			
3	QPSK	15	0	2165	2165	2150	2150			
3	16QAM	1	0	2153	2163	2150	2150	22.9	0	
3	16QAM	1	8	2147	2168	2138	2138			
3	16QAM	1	14	2147	2145	2141	2141			
3	16QAM	8	0	2049	2069	2056	2056			
3	16QAM	8	4	2050	2072	2051	2051			
3	16QAM	8	7	2039	2054	2047	2047			
3	64QAM	1	0	2041	2058	2057	2057			
3	64QAM	1	8	2058	2069	2038	2038			



Band 66 Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Time-up limit (min)	MPE (dB)		
Channel										
				1750	1745	1772				
20	QPSK	1	0	23.73	23.76	23.66			24	0
20	QPSK	1	49	23.89	23.73	23.62				
20	QPSK	1	99	23.85	23.69	23.61				
20	QPSK	50	0	22.63	22.66	22.58			23	1
20	QPSK	50	-24	22.65	22.61	22.52				
20	QPSK	50	50	22.46	22.57	22.47				
20	QPSK	100	0	22.44	22.59	22.45				
20	16QAM	1	0	22.32	22.37	22.33			23	1
20	16QAM	1	49	22.24	22.32	22.21				
20	16QAM	1	99	22.22	22.29	22.23				
20	16QAM	50	0	21.58	21.66	21.56			22	2
20	16QAM	50	24	21.56	21.62	21.58				
20	16QAM	50	50	21.53	21.59	21.52				
20	16QAM	100	0	21.43	21.53	21.49				
20	64QAM	1	0	21.81	21.86	21.80			22	2
20	64QAM	1	49	21.71	21.83	21.80				
20	64QAM	1	99	21.72	21.78	21.68				
20	64QAM	50	0	20.65	20.62	20.53			21	3
20	64QAM	50	24	20.53	20.58	20.51				
20	64QAM	50	50	20.37	20.56	20.35				
20	64QAM	100	0	20.39	20.53	20.47				
20	256QAM	1	0	18.44	18.57	18.50			19	5
20	256QAM	1	49	18.45	18.51	18.44				
20	256QAM	1	99	18.42	18.46	18.38				
20	256QAM	50	0	18.39	18.53	18.38			19	5
20	256QAM	50	-24	18.42	18.50	18.39				
20	256QAM	50	50	18.46	18.52	18.40				
20	256QAM	100	0	18.35	18.49	18.41				
Channel										
				1717.5	1745	1772.5				
15	QPSK	1	0	23.67	23.76	23.66			24	0
15	QPSK	1	37	23.61	23.66	23.52				
15	QPSK	1	74	23.50	23.58	23.56				
15	QPSK	36	0	22.49	22.54	22.47			23	1
15	QPSK	36	-20	22.44	22.47	22.49				
15	QPSK	36	36	22.34	22.49	22.39				
15	QPSK	75	0	22.40	22.46	22.42				
15	16QAM	1	0	22.23	22.25	22.29			23	1
15	16QAM	1	37	22.14	22.21	22.14				
15	16QAM	1	74	22.12	22.25	22.12				
15	16QAM	36	0	21.45	21.58	21.47			22	2
15	16QAM	36	20	21.53	21.49	21.47				
15	16QAM	36	39	21.48	21.51	21.45				
15	16QAM	75	0	21.30	21.38	21.38				
15	64QAM	1	0	21.71	21.77	21.67			22	2
15	64QAM	1	37	21.63	21.75	21.68				
15	64QAM	1	74	21.59	21.71	21.58				
15	64QAM	36	0	20.52	20.49	20.40			21	3
15	64QAM	36	20	20.45	20.53	20.38				
15	64QAM	36	39	20.31	20.36	20.21				
15	64QAM	75	0	20.34	20.39	20.39				
15	256QAM	1	0	18.41	18.56	18.48			19	5
15	256QAM	1	37	18.30	18.48	18.32				
15	256QAM	1	74	18.33	18.40	18.25				
15	256QAM	36	0	18.36	18.44	18.28			19	5
15	256QAM	36	20	18.32	18.43	18.27				
15	256QAM	36	39	18.42	18.40	18.33				
15	256QAM	75	0	18.35	18.43	18.27				
Channel										
				1715	1745	1775				
10	QPSK	1	0	23.60	23.66	23.52			24	0
10	QPSK	1	25	23.65	23.64	23.52				
10	QPSK	1	49	23.48	23.56	23.48				
10	QPSK	25	0	22.57	22.62	22.58			23	1
10	QPSK	25	12	22.52	22.51	22.38				
10	QPSK	25	25	22.41	22.45	22.42				
10	QPSK	50	0	22.33	22.54	22.35				
10	16QAM	1	0	22.29	22.30	22.27			23	1
10	16QAM	1	25	22.13	22.18	22.16				
10	16QAM	1	49	22.18	22.24	22.15				
10	16QAM	25	0	21.52	21.62	21.43			22	2
10	16QAM	25	12	21.51	21.54	21.43				
10	16QAM	25	25	21.41	21.46	21.43				
10	16QAM	50	0	21.39	21.45	21.37				
10	64QAM	1	0	21.72	21.80	21.65			22	2
10	64QAM	1	25	21.68	21.70	21.64				
10	64QAM	1	49	21.69	21.74	21.58				
10	64QAM	25	0	20.40	20.54	20.48			21	3
10	64QAM	25	12	20.45	20.48	20.45				
10	64QAM	25	25	20.35	20.44	20.21				
10	64QAM	50	0	20.38	20.47	20.38				
10	256QAM	1	0	18.31	18.51	18.40			19	5
10	256QAM	1	25	18.41	18.38	18.32				
10	256QAM	1	49	18.29	18.37	18.34				
10	256QAM	25	0	18.38	18.46	18.38			19	5
10	256QAM	25	12	18.32	18.41	18.38				
10	256QAM	25	25	18.39	18.44	18.34				
10	256QAM	50	0	18.31	18.44	18.31				
Channel										
				1712.5	1745	1772.5				
5	QPSK	1	0	23.68	23.73	23.62			24	0
5	QPSK	1	12	23.60	23.63	23.49				
5	QPSK	1	24	23.47	23.57	23.53				
5	QPSK	12	0	22.51	22.52	22.43			23	1
5	QPSK	12	7	22.48	22.48	22.44				
5	QPSK	12	13	22.43	22.47	22.44				
5	QPSK	25	0	22.33	22.53	22.40				
5	16QAM	1	0	22.27	22.28	22.20			23	1
5	16QAM	1	12	22.15	22.21	22.10				
5	16QAM	1	24	22.16	22.15	22.12				
5	16QAM	12	0	21.48	21.53	21.43			22	2
5	16QAM	12	7	21.42	21.59	21.47				
5	16QAM	12	13	21.48	21.48	21.45				
5	16QAM	25	0	21.29	21.42	21.45				
5	64QAM	1	0	21.68	21.79	21.70			22	2
5	64QAM	1	12	21.67	21.77	21.63				
5	64QAM	1	24	21.69	21.64	21.58				
5	64QAM	12	0	20.50	20.51	20.41			21	3
5	64QAM	12	7	20.49	20.50	20.42				
5	64QAM	12	13	20.28	20.40	20.28				
5	16QAM	25	0	20.35	20.39	20.41				
5	256QAM	1	0	18.39	18.46	18.41			19	5
5	256QAM	1	12	18.39	18.42	18.38				
5	256QAM	1	24	18.39	18.32	18.30				
5	256QAM	12	0	18.35	18.49	18.27			19	5
5	256QAM	12	7	18.37	18.44	18.35				
5	256QAM	12	13	18.37	18.38	18.35				
5	256QAM	25	0	18.29	18.38	18.30				
Channel										
				1716.7	1745	1772.5				
3	QPSK	1	0	23.69	23.68	23.59			24	0
3	QPSK	1	8	23.65	23.63	23.58				
3	QPSK	1	14	23.43	23.57	23.52				
3	QPSK	8	0	22.59	22.59	22.45			23	1
3	QPSK	8	4	22.49	22.52	22.38				
3	QPSK	8	7	22.42	22.46	22.40				
3	QPSK	15	0	22.39	22.46	22.32				
3	16QAM	1	0	22.23	22.25	22.20			23	1
3	16QAM	1	8	22.10	22.17	22.16				
3	16QAM	1	14	22.16	22.15	22.15				
3	16QAM	8	0	21.55	21.57	21.44			22	2
3	16QAM	8	4	21.41	21.50	21.51				
3	1									



Reduced Power Mode for DSSS-Simultaneous

Band 66 Ant 0																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up (dB)	MPE (dB)	Channel							
				Ch1 Freq	Ch1 Freq	Ch1 Freq			13297	13302						
				1720	1745	1770			Frequency (MHz)							
20	QPSK	1	0	20.83	20.80	20.78	22.1	0	Channel							
20	QPSK	1	49	20.89	20.77	20.63			Frequency (MHz)							
20	QPSK	1	99	20.90	20.65	20.52			Channel							
20	QPSK	50	0	20.76	20.69	20.71			Frequency (MHz)							
20	QPSK	50	24	20.74	20.77	20.58			Channel							
20	QPSK	50	50	20.60	20.63	20.52			Frequency (MHz)							
20	QPSK	100	0	20.80	20.68	20.70			Channel							
20	16QAM	1	0	20.68	20.82	20.71			Frequency (MHz)							
20	16QAM	1	49	20.58	20.68	20.67			22.1	0	Channel					
20	16QAM	1	99	20.63	20.54	20.48					Frequency (MHz)					
20	16QAM	50	0	20.64	20.85	20.64	Channel									
20	16QAM	50	24	20.68	20.66	20.63	Frequency (MHz)									
20	16QAM	50	50	20.52	20.48	20.38	22	0.1			Channel					
20	16QAM	100	0	20.70	20.82	20.60					Frequency (MHz)					
20	64QAM	1	0	20.69	20.86	20.76					Channel					
20	64QAM	1	49	20.62	20.65	20.58					22	0.1	Channel			
20	64QAM	1	99	20.46	20.62	20.37							Frequency (MHz)			
20	64QAM	50	0	19.89	19.88	19.76							Channel			
20	64QAM	50	24	19.72	19.76	19.74			21	1.1			Channel			
20	64QAM	50	50	19.64	19.64	19.50							Frequency (MHz)			
20	64QAM	100	0	19.89	19.90	19.68							Channel			
20	256QAM	1	0	17.85	17.90	17.81							19	3.1	Channel	
20	256QAM	1	49	17.75	17.71	17.63	Frequency (MHz)									
20	256QAM	1	99	17.59	17.60	17.55	Channel									
20	256QAM	50	0	17.14	17.96	17.78	19	3.1							Channel	
20	256QAM	50	24	17.72	17.78	17.72					Frequency (MHz)					
20	256QAM	50	50	17.96	17.69	17.49					Channel					
20	256QAM	100	0	17.75	17.67	17.68					Frequency (MHz)					
				13297	13302	13307			Channel		Tune-up (dB)	MPE (dB)				
				1717.2	1745	1772.5			Frequency (MHz)							
15	QPSK	1	0	20.73	20.86	20.82			22.1	0	Channel					
15	QPSK	1	37	20.61	20.62	20.57					Frequency (MHz)					
15	QPSK	1	74	20.56	20.61	20.40					Channel					
15	QPSK	36	0	20.68	20.60	20.60					22.1	0	Channel			
15	QPSK	36	20	20.68	20.73	20.60	Frequency (MHz)									
15	QPSK	36	39	20.53	20.60	20.40	Channel									
15	QPSK	75	0	20.71	20.61	20.59	22.1	0					Channel			
15	16QAM	1	0	20.57	20.74	20.64							Frequency (MHz)			
15	16QAM	1	37	20.45	20.61	20.49							22	0.1	Channel	
15	16QAM	1	74	20.43	20.42	20.34									Frequency (MHz)	
15	16QAM	36	0	20.59	20.78	20.52			Channel							
15	16QAM	36	20	20.55	20.59	20.55			22	0.1					Channel	
15	16QAM	36	39	20.62	20.44	20.28									Frequency (MHz)	
15	16QAM	75	0	20.80	20.72	20.49					Channel					
15	64QAM	1	0	20.61	20.71	20.63					22	0.1			Channel	
15	64QAM	1	37	20.50	20.60	20.55									Frequency (MHz)	
15	64QAM	1	74	20.41	20.56	20.33	Channel									
15	64QAM	36	0	19.67	19.77	19.61	21	1.1							Channel	
15	64QAM	36	20	19.63	19.76	19.62							Frequency (MHz)			
15	64QAM	36	39	19.49	19.55	19.44							Channel			
15	64QAM	75	0	19.76	19.82	19.63							19	3.1	Channel	
15	256QAM	1	0	17.77	17.83	17.68			Frequency (MHz)							
15	256QAM	1	37	17.71	17.66	17.53			Channel							
15	256QAM	1	74	17.47	17.50	17.41			19	3.1					Channel	
15	256QAM	36	0	17.69	17.94	17.72					Frequency (MHz)					
15	256QAM	36	20	17.68	17.65	17.68					Channel					
15	256QAM	36	39	17.63	17.47	17.46					Frequency (MHz)					
15	256QAM	75	0	17.61	17.65	17.61	Channel									
				13302	13307	13312	Channel				Tune-up (dB)	MPE (dB)				
				1717.5	1742	1772.5	Frequency (MHz)									
10	QPSK	1	0	20.79	20.80	20.69	22.1	0			Channel					
10	QPSK	1	25	20.80	20.69	20.60					Frequency (MHz)					
10	QPSK	1	49	20.53	20.61	20.40					Channel					
10	QPSK	25	0	20.60	20.79	20.67			22.1	0	Channel					
10	QPSK	25	12	20.87	20.72	20.62					Frequency (MHz)					
10	QPSK	25	25	20.47	20.67	20.44					Channel					
10	QPSK	50	0	20.65	20.74	20.69					22.1	0	Channel			
10	16QAM	1	0	20.54	20.77	20.61							Frequency (MHz)			
10	16QAM	1	25	20.46	20.69	20.51							22	0.1	Channel	
10	16QAM	1	49	20.43	20.48	20.38									Frequency (MHz)	
10	16QAM	25	0	20.51	20.78	20.58	Channel									
10	16QAM	25	12	20.60	20.56	20.49	22	0.1							Channel	
10	16QAM	25	25	20.45	20.34	20.28									Frequency (MHz)	
10	16QAM	50	0	20.58	20.68	20.54			Channel							
10	64QAM	1	0	20.66	20.82	20.62			22	0.1					Channel	
10	64QAM	1	25	20.59	20.56	20.49									Frequency (MHz)	
10	64QAM	1	49	20.33	20.58	20.51					Channel					
10	64QAM	25	0	19.68	19.78	19.68					21	1.1			Channel	
10	64QAM	25	12	19.64	19.76	19.65							Frequency (MHz)			
10	64QAM	25	25	19.55	19.55	19.45							Channel			
10	64QAM	50	0	19.71	19.80	19.68							19	3.1	Channel	
10	256QAM	1	0	17.81	17.85	17.75	Frequency (MHz)									
10	256QAM	1	25	17.70	17.67	17.60	Channel									
10	256QAM	1	49	17.55	17.53	17.49	19	3.1							Channel	
10	256QAM	25	0	17.64	17.82	17.65			Frequency (MHz)							
10	256QAM	25	12	17.98	17.62	17.67			Channel							
10	256QAM	25	25	17.56	17.46	17.40			Frequency (MHz)							
10	256QAM	50	0	17.67	17.89	17.64			Channel							
				13307	13312	13317			Channel		Tune-up (dB)	MPE (dB)				
				1717.5	1742	1772.5			Frequency (MHz)							
5	QPSK	1	0	20.71	20.88	20.64			22.1	0	Channel					
5	QPSK	1	12	20.64	20.73	20.56					Frequency (MHz)					
5	QPSK	1	24	20.45	20.61	20.40					Channel					
5	QPSK	12	0	20.63	20.86	20.64	22.1	0			Channel					
5	QPSK	12	7	20.61	20.67	20.61					Frequency (MHz)					
5	QPSK	12	13	20.50	20.48	20.44					Channel					
5	QPSK	25	0	20.79	20.76	20.64					22.1	0	Channel			
5	16QAM	1	0	20.59	20.75	20.59							Frequency (MHz)			
5	16QAM	1	12	20.61	20.54	20.48							22	0.1	Channel	
5	16QAM	1	24	20.50	20.44	20.36									Frequency (MHz)	
5	16QAM	12	0	20.52	20.79	20.55			Channel							
5	16QAM	12	7	20.66	20.53	20.49			22	0.1					Channel	
5	16QAM	12	13	20.47	20.37	20.46									Frequency (MHz)	
5	16QAM	25	0	20.62	20.73	20.50	Channel									
5	64QAM	1	0	20.58	20.74	20.63	22	0.1							Channel	
5	64QAM	1	12	20.49	20.53	20.48									Frequency (MHz)	
5	64QAM	1	24	20.33	20.50	20.30					Channel					
5	64QAM	12	0	19.72	19.84	19.68					21	1.1			Channel	
5	64QAM	12	13	19.57	19.51	19.45							Frequency (MHz)			
5	64QAM	25	0	19.74	19.80	19.63							Channel			
5	256QAM	1	0	17.78	17.85	17.67							19	3.1	Channel	
5	256QAM	1	12	17.67	17.59	17.53			Frequency (MHz)							
5	256QAM	1	24	17.45	17.54	17.51			Channel							
5	256QAM	12	0	17.89	17.85	17.76			19	3.1					Channel	
5	256QAM	12	7	17.64	17.70	17.66	Frequency (MHz)									
5	256QAM	12	13	17.82	17.48	17.54	Channel									
5	256QAM	25	0	17.61	17.78	17.59	Frequency (MHz)									
				13312	13317	13322	Channel				Tune-up (dB)	MPE (dB)				
				1717.5	1742	1772.5	Frequency (MHz)									
3	QPSK	1	0	20.76	20.88	20.66	22.1	0			Channel					
3	QPSK	1	8	20.65	20.64	20.57					Frequency (MHz)					
3	QPSK	1	14	20.52	20.53	20.44					Channel					
3	QPSK	8	0	20.60	20.77	20.64					22.1	0	Channel			
3	QPSK	8	4	20.90	20.63	20.56			Frequency (MHz)							
3	QPSK	8	7	20.56	20.51	20.40			Channel							
3	QPSK	15	0	20.76	20.79	20.64			22.1	0			Channel			
3	16QAM	1	0	20.57	20.76	20.64							Frequency (MHz)			
3	16QAM	1	8	20.50	20.58	20.50							22	0.1	Channel	
3	16QAM	1	14	20.39	20.47	20.39									Frequency (MHz)	
3	16QAM	8	0	20.55	20.72	20.64	Channel									
3	16QAM	8	4	20.63	20.59	20.53	22	0.1							Channel	
3	16QAM	8	7	20.47	20.37	20.33									Frequency (MHz)	
3	64QAM	1	0	20.62	20.74	20.68					Channel					
3	64QAM	1	8	20.55	20.59	20.54					22	0.1			Channel	
3	64QAM	1	14	20.35	20.67	20.34									Frequency (MHz)	
3	64QAM	8	0	19.76	19.82	19.61			Channel							
3	64QAM	8	4	19.68	19.64	19.59			21	1.1					Channel	
3	64QAM	8	7	19.60	19.63	19.41							Frequency (MHz)			
3	64QAM	15	0	19.67	19.80	19.65							Channel			
3	256QAM	1	0	17.70	17.67	17.67							19	3.1	Channel	
3	256QAM	1	8	17.68	17.66	17.59	Frequency (MHz)									
3	256QAM	1	14	17.54	17.46	17.42	Channel									
3	256QAM	8	0	17.84	17.67	17.67	19	3.1							Channel	
3	256QAM	8	4	17.65	17.67	17.63					Frequency (MHz)					
3	256QAM	8	7	17.63	17.45	17.44					Channel					
3	256QAM	15	0	17.89	17.65	17.55					Frequency (MHz)					
				13317	13322	13327			Channel		Tune-up (dB)	MPE (dB)				
				1717.5	1742	1772.5			Frequency (MHz)							
1.4	QPSK	1	0	20.73	20.87	20.68			22.1	0	Channel					
1.4	QPSK	1	3	20.61	20.67	20.56					Frequency (MHz)					
1.4	QPSK	1	5	20.47	20.52	20.39					Channel					
1.																



Band 66 Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Time-up limit (min)	MPE (dB)		
Channel										
				1750	1745	1772				
20	QPSK	1	0	23.73	23.76	23.66			24	0
20	QPSK	1	49	23.89	23.73	23.62				
20	QPSK	1	99	23.85	23.69	23.61				
20	QPSK	50	0	22.63	22.66	22.58			23	1
20	QPSK	50	-24	22.65	22.61	22.52				
20	QPSK	50	50	22.46	22.57	22.47				
20	QPSK	100	0	22.44	22.59	22.45				
20	16QAM	1	0	22.32	22.37	22.33			23	1
20	16QAM	1	49	22.24	22.32	22.21				
20	16QAM	1	99	22.22	22.29	22.23				
20	16QAM	50	0	21.58	21.66	21.56			22	2
20	16QAM	50	24	21.56	21.62	21.58				
20	16QAM	50	50	21.53	21.59	21.52				
20	16QAM	100	0	21.43	21.53	21.49				
20	64QAM	1	0	21.81	21.86	21.80			22	2
20	64QAM	1	49	21.71	21.83	21.80				
20	64QAM	1	99	21.72	21.79	21.68				
20	64QAM	50	0	20.65	20.62	20.53			21	3
20	64QAM	50	24	20.53	20.58	20.51				
20	64QAM	50	50	20.37	20.56	20.35				
20	64QAM	100	0	20.39	20.53	20.47				
20	256QAM	1	0	18.44	18.57	18.50			19	5
20	256QAM	1	49	18.45	18.51	18.44				
20	256QAM	1	99	18.42	18.46	18.38				
20	256QAM	50	0	18.39	18.53	18.38			19	5
20	256QAM	50	-24	18.42	18.50	18.39				
20	256QAM	50	50	18.46	18.52	18.40				
20	256QAM	100	0	18.35	18.49	18.41				
Channel										
				1717.5	1745	1772.5				
15	QPSK	1	0	23.67	23.76	23.66			24	0
15	QPSK	1	37	23.61	23.66	23.52				
15	QPSK	1	74	23.50	23.58	23.56				
15	QPSK	36	0	22.49	22.54	22.47			23	1
15	QPSK	36	-20	22.44	22.47	22.49				
15	QPSK	36	36	22.34	22.49	22.39				
15	QPSK	75	0	22.40	22.46	22.42				
15	16QAM	1	0	22.23	22.25	22.29			23	1
15	16QAM	1	37	22.14	22.21	22.14				
15	16QAM	1	74	22.12	22.25	22.12				
15	16QAM	36	0	21.45	21.58	21.47			22	2
15	16QAM	36	20	21.53	21.49	21.47				
15	16QAM	36	39	21.48	21.51	21.45				
15	16QAM	75	0	21.30	21.38	21.36				
15	64QAM	1	0	21.71	21.77	21.67			22	2
15	64QAM	1	37	21.63	21.75	21.68				
15	64QAM	1	74	21.59	21.71	21.58				
15	64QAM	36	0	20.52	20.49	20.40			21	3
15	64QAM	36	20	20.45	20.53	20.38				
15	64QAM	36	39	20.31	20.36	20.21				
15	64QAM	75	0	20.34	20.39	20.39				
15	256QAM	1	0	18.41	18.56	18.48			19	5
15	256QAM	1	37	18.30	18.48	18.32				
15	256QAM	1	74	18.33	18.40	18.25				
15	256QAM	36	0	18.36	18.44	18.28			19	5
15	256QAM	36	20	18.32	18.43	18.27				
15	256QAM	36	39	18.42	18.40	18.33				
15	256QAM	75	0	18.35	18.43	18.27				
Channel										
				1715	1745	1775				
10	QPSK	1	0	23.60	23.66	23.52			24	0
10	QPSK	1	25	23.55	23.64	23.52				
10	QPSK	1	49	23.48	23.56	23.48				
10	QPSK	25	0	22.57	22.62	22.50			23	1
10	QPSK	25	12	22.52	22.51	22.38				
10	QPSK	25	25	22.41	22.45	22.42				
10	QPSK	50	0	22.33	22.54	22.35				
10	16QAM	1	0	22.29	22.30	22.27			23	1
10	16QAM	1	25	22.13	22.18	22.16				
10	16QAM	1	49	22.18	22.24	22.15				
10	16QAM	25	0	21.52	21.62	21.43			22	2
10	16QAM	25	12	21.51	21.54	21.43				
10	16QAM	25	25	21.41	21.46	21.43				
10	16QAM	50	0	21.39	21.45	21.37				
10	64QAM	1	0	21.72	21.80	21.65			22	2
10	64QAM	1	25	21.68	21.70	21.64				
10	64QAM	1	49	21.69	21.74	21.58				
10	64QAM	25	0	20.40	20.54	20.48			21	3
10	64QAM	25	12	20.45	20.48	20.45				
10	64QAM	25	25	20.35	20.44	20.21				
10	64QAM	50	0	20.38	20.47	20.38				
10	256QAM	1	0	18.31	18.51	18.40			19	5
10	256QAM	1	25	18.41	18.38	18.32				
10	256QAM	1	49	18.29	18.37	18.34				
10	256QAM	25	0	18.38	18.46	18.38			19	5
10	256QAM	25	12	18.32	18.41	18.30				
10	256QAM	25	25	18.39	18.44	18.34				
10	256QAM	50	0	18.31	18.44	18.31				
Channel										
				1742.5	1745	1772.5				
5	QPSK	1	0	23.68	23.73	23.52			24	0
5	QPSK	1	12	23.60	23.63	23.49				
5	QPSK	1	24	23.47	23.57	23.53				
5	QPSK	12	0	22.51	22.52	22.43			23	1
5	QPSK	12	7	22.48	22.48	22.44				
5	QPSK	12	13	22.43	22.47	22.44				
5	QPSK	25	0	22.33	22.53	22.40				
5	16QAM	1	0	22.27	22.28	22.20			23	1
5	16QAM	1	12	22.15	22.21	22.10				
5	16QAM	1	24	22.16	22.15	22.12				
5	16QAM	12	0	21.48	21.53	21.43			22	2
5	16QAM	12	7	21.42	21.59	21.47				
5	16QAM	12	13	21.48	21.48	21.45				
5	16QAM	25	0	21.29	21.42	21.45				
5	64QAM	1	0	21.68	21.79	21.70			22	2
5	64QAM	1	12	21.67	21.77	21.63				
5	64QAM	1	24	21.69	21.64	21.58				
5	64QAM	12	0	20.50	20.51	20.41			21	3
5	64QAM	12	7	20.49	20.50	20.42				
5	64QAM	12	13	20.28	20.40	20.28				
5	16QAM	25	0	20.35	20.39	20.41				
5	256QAM	1	0	18.39	18.46	18.41			19	5
5	256QAM	1	12	18.39	18.42	18.38				
5	256QAM	1	24	18.39	18.32	18.30				
5	256QAM	12	0	18.35	18.49	18.27			19	5
5	256QAM	12	7	18.37	18.44	18.35				
5	256QAM	12	13	18.37	18.38	18.35				
5	256QAM	25	0	18.29	18.38	18.30				
Channel										
				1741.5	1745	1772.5				
3	QPSK	1	0	23.69	23.68	23.52			24	0
3	QPSK	1	8	23.65	23.63	23.58				
3	QPSK	1	14	23.43	23.57	23.52				
3	QPSK	8	0	22.59	22.59	22.45			23	1
3	QPSK	8	4	22.49	22.52	22.38				
3	QPSK	8	7	22.42	22.46	22.40				
3	QPSK	15	0	22.39	22.46	22.32				
3	16QAM	1	0	22.23	22.25	22.20			23	1
3	16QAM	1	8	22.10	22.17	22.16				
3	16QAM	1	14	22.16	22.15	22.15				
3	16QAM	8	0	21.55	21.57	21.44			22	2
3	16QAM	8	4	21.41	21.50	21.51				
3	1									



Reduced Power Mode for DSB-Standalone&Simultaneous

Band 66 Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low 15007.5	Power Middle 15000	Power High 15012.5	Tune-up (dB)	MPE (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	1720	1745	1770				
20	QPSK	1	49	2278	2299	2322	24	0		
20	QPSK	1	99	2252	2267	2282				
20	QPSK	50	0	2158	2158	2158				
20	QPSK	50	24	2148	2150	2150	23	1		
20	QPSK	50	50	2158	2163	2163				
20	QPSK	100	0	2148	2155	2162				
20	16QAM	1	0	2144	2149	2145				
20	16QAM	1	49	2138	2143	2139	23	1		
20	16QAM	1	99	2143	2148	2143				
20	16QAM	50	0	2058	2069	2063				
20	16QAM	50	24	2060	2065	2061				
20	16QAM	50	50	2058	2062	2058	22	2		
20	16QAM	100	0	2108	2114	2102				
20	64QAM	1	0	2098	2109	2105				
20	64QAM	1	49	2101	2106	2097	22	2		
20	64QAM	1	99	2099	2101	2097				
20	64QAM	50	0	1962	1968	1962				
20	64QAM	50	24	1960	1965	1963				
20	64QAM	50	50	1963	1968	1965	21	3		
20	64QAM	100	0	1949	1956	1947				
20	256QAM	1	0	1759	1765	1761				
20	256QAM	1	49	1760	1766	1762	19	5		
20	256QAM	1	99	1757	1763	1759				
20	256QAM	50	0	1768	1771	1768				
20	256QAM	50	24	1782	1785	1780				
20	256QAM	50	50	1766	1770	1767				
20	256QAM	100	0	1858	1870	1863				
Channel										
Frequency (MHz)										
15	QPSK	1	0	2274	2284	2294	24	0		
15	QPSK	1	37	2267	2268	2268				
15	QPSK	1	74	2256	2256	2256				
15	QPSK	36	0	2152	2161	2158				
15	QPSK	36	20	2140	2155	2144	23	1		
15	QPSK	36	39	2154	2158	2142				
15	QPSK	36	58	2135	2144	2131				
15	16QAM	1	0	2139	2139	2136				
15	16QAM	1	37	2124	2133	2133	23	1		
15	16QAM	1	74	2133	2135	2120				
15	16QAM	36	0	2053	2066	2052				
15	16QAM	36	20	2047	2056	2049				
15	16QAM	36	39	2044	2051	2045	22	2		
15	16QAM	75	0	2039	2108	2051				
15	64QAM	1	0	2033	2034	2035				
15	64QAM	1	37	2031	2032	2030	22	2		
15	64QAM	1	74	2077	2092	2086				
15	64QAM	36	0	1932	1938	1934				
15	64QAM	36	20	1942	1956	1941				
15	64QAM	36	39	1932	1947	1938	21	3		
15	256QAM	1	0	1746	1754	1753				
15	256QAM	1	37	1747	1745	1742	19	5		
15	256QAM	1	74	1752	1759	1753				
15	256QAM	36	0	1759	1765	1745				
15	256QAM	36	20	1747	1755	1745	19	5		
15	256QAM	75	0	1850	1857	1853				
Channel										
Frequency (MHz)										
10	QPSK	1	0	2268	2281	2294	24	0		
10	QPSK	1	25	2266	2276	2269				
10	QPSK	1	49	2258	2267	2263				
10	QPSK	25	0	2153	2161	2158				
10	QPSK	25	12	2135	2148	2139	23	1		
10	QPSK	25	25	2147	2152	2139				
10	QPSK	50	0	2140	2144	2133				
10	16QAM	1	0	2139	2145	2137				
10	16QAM	1	25	2123	2129	2135	23	1		
10	16QAM	1	49	2139	2137	2122				
10	16QAM	25	0	2050	2056	2054				
10	16QAM	25	12	2045	2053	2046				
10	16QAM	25	24	2040	2048	2047	22	2		
10	16QAM	50	0	2100	2102	2098				
10	64QAM	1	0	2034	2102	2091				
10	64QAM	1	25	2039	2101	2097	22	2		
10	64QAM	1	49	2077	2091	2088				
10	64QAM	25	0	1956	1954	1950				
10	64QAM	25	12	1940	1954	1950	21	3		
10	64QAM	25	25	1931	1943	1939				
10	64QAM	50	0	1936	1933	1942				
10	256QAM	1	0	1754	1760	1747				
10	256QAM	1	25	1747	1745	1741	19	5		
10	256QAM	1	49	1753	1759	1754				
10	256QAM	25	0	1755	1765	1753				
10	256QAM	25	12	1747	1754	1755	19	5		
10	256QAM	25	25	1756	1756	1744				
10	256QAM	50	0	1844	1855	1850				
Channel										
Frequency (MHz)										
5	QPSK	1	0	2268	2280	2267	24	0		
5	QPSK	1	12	2262	2270	2259				
5	QPSK	1	24	2258	2264	2244				
5	QPSK	12	0	2151	2159	2141				
5	QPSK	12	7	2138	2155	2136	23	1		
5	QPSK	12	13	2148	2150	2140				
5	QPSK	25	0	2138	2142	2140				
5	16QAM	1	0	2140	2143	2138				
5	16QAM	1	12	2121	2132	2134	23	1		
5	16QAM	1	24	2130	2131	2130				
5	16QAM	12	0	2050	2055	2051				
5	16QAM	12	7	2050	2051	2037				
5	16QAM	12	13	2043	2057	2050	22	2		
5	16QAM	25	0	2056	2109	2057				
5	64QAM	1	0	2036	2101	2034				
5	64QAM	1	12	2036	2103	2053	22	2		
5	64QAM	1	24	2075	2089	2084				
5	64QAM	12	0	1953	1959	1951				
5	64QAM	12	7	1941	1954	1950	21	3		
5	64QAM	12	13	1932	1944	1937				
5	64QAM	25	0	1936	1943	1937				
5	256QAM	1	0	1747	1755	1750				
5	256QAM	1	12	1745	1750	1739	19	5		
5	256QAM	1	24	1753	1760	1754				
5	256QAM	12	0	1763	1759	1743				
5	256QAM	12	7	1742	1752	1755	19	5		
5	256QAM	12	13	1754	1767	1747				
5	256QAM	25	0	1854	1857	1850				
Channel										
Frequency (MHz)										
3	QPSK	1	0	2272	2275	2267	24	0		
3	QPSK	1	8	2267	2268	2261				
3	QPSK	1	14	2250	2259	2242				
3	QPSK	8	0	2146	2149	2147				
3	QPSK	8	4	2138	2153	2139	23	1		
3	QPSK	8	7	2146	2152	2140				
3	QPSK	15	0	2135	2147	2134				
3	16QAM	1	0	2136	2137	2134	23	1		
3	16QAM	1	8	2123	2133	2134				
3	16QAM	1	14	2130	2133	2129				
3	16QAM	8	0	2055	2060	2049				
3	16QAM	8	4	2056	2061	2051	22	2		
3	16QAM	8	7	2045	2054	2049				
3	64QAM	1	0	2031	2103	2056				
3	64QAM	1	8	2037	2094	2052	22	2		
3	64QAM	1	14	2036	2093	2053				
3	64QAM	8	0	1951	1959	1958				
3	64QAM	8	4	1941	1956	1945	21	3		
3	64QAM	8	7	1932	1951	1932				
3	256QAM	1	0	1737	1751	1741	19	5		
3	256QAM	1	14	1745	1756	1751				</



Band 66 Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Time-up limit (min)	MPE (dB)		
Channel										
				1750	1745	1772				
20	QPSK	1	0	23.73	23.76	23.66			24	0
20	QPSK	1	49	23.89	23.73	23.62				
20	QPSK	1	99	23.85	23.69	23.61				
20	QPSK	50	0	22.63	22.66	22.58			23	1
20	QPSK	50	-24	22.65	22.61	22.52				
20	QPSK	50	50	22.46	22.57	22.47				
20	QPSK	100	0	22.44	22.59	22.45				
20	16QAM	1	0	22.32	22.37	22.33			23	1
20	16QAM	1	49	22.24	22.32	22.21				
20	16QAM	1	99	22.22	22.29	22.23				
20	16QAM	50	0	21.58	21.66	21.56			22	2
20	16QAM	50	24	21.56	21.62	21.58				
20	16QAM	50	50	21.53	21.59	21.52				
20	16QAM	100	0	21.43	21.53	21.49				
20	64QAM	1	0	21.81	21.86	21.80			22	2
20	64QAM	1	49	21.71	21.83	21.80				
20	64QAM	1	99	21.72	21.79	21.80				
20	64QAM	50	0	20.65	20.62	20.53			21	3
20	64QAM	50	24	20.53	20.58	20.51				
20	64QAM	50	50	20.37	20.56	20.35				
20	64QAM	100	0	20.39	20.53	20.47				
20	256QAM	1	0	18.44	18.57	18.50			19	5
20	256QAM	1	49	18.45	18.51	18.44				
20	256QAM	1	99	18.42	18.46	18.38				
20	256QAM	50	0	18.30	18.53	18.30			19	5
20	256QAM	50	-24	18.42	18.50	18.39				
20	256QAM	50	50	18.46	18.52	18.40				
20	256QAM	100	0	18.35	18.49	18.41				
Channel										
				1717.5	1745	1772.5				
15	QPSK	1	0	23.67	23.76	23.66			24	0
15	QPSK	1	37	23.81	23.66	23.52				
15	QPSK	1	74	23.50	23.58	23.56				
15	QPSK	36	0	22.49	22.54	22.47			23	1
15	QPSK	36	20	22.44	22.47	22.49				
15	QPSK	36	36	22.34	22.49	22.39				
15	QPSK	75	0	22.40	22.46	22.42				
15	16QAM	1	0	22.23	22.25	22.29			23	1
15	16QAM	1	37	22.14	22.21	22.14				
15	16QAM	1	74	22.12	22.25	22.12				
15	16QAM	36	0	21.45	21.88	21.47			22	2
15	16QAM	36	20	21.53	21.49	21.47				
15	16QAM	36	36	21.48	21.51	21.45				
15	16QAM	75	0	21.30	21.38	21.38				
15	64QAM	1	0	21.71	21.77	21.67			22	2
15	64QAM	1	37	21.63	21.79	21.68				
15	64QAM	1	74	21.59	21.71	21.58				
15	64QAM	36	0	20.52	20.49	20.40			21	3
15	64QAM	36	20	20.45	20.53	20.38				
15	64QAM	36	36	20.31	20.36	20.21				
15	64QAM	75	0	20.34	20.39	20.39				
15	256QAM	1	0	18.41	18.56	18.48			19	5
15	256QAM	1	37	18.30	18.48	18.32				
15	256QAM	1	74	18.33	18.40	18.25				
15	256QAM	36	0	18.26	18.44	18.28			19	5
15	256QAM	36	20	18.32	18.43	18.27				
15	256QAM	36	36	18.42	18.40	18.33				
15	256QAM	75	0	18.26	18.43	18.27				
Channel										
				1715	1745	1775				
10	QPSK	1	0	23.60	23.66	23.52			24	0
10	QPSK	1	25	23.85	23.64	23.52				
10	QPSK	1	49	23.48	23.56	23.48				
10	QPSK	25	0	22.57	22.62	22.58			23	1
10	QPSK	25	12	22.52	22.51	22.38				
10	QPSK	25	25	22.41	22.45	22.42				
10	QPSK	50	0	22.33	22.54	22.35				
10	16QAM	1	0	22.29	22.30	22.27			23	1
10	16QAM	1	25	22.13	22.18	22.16				
10	16QAM	1	49	22.18	22.24	22.19				
10	16QAM	25	0	21.52	21.62	21.43			22	2
10	16QAM	25	12	21.51	21.54	21.43				
10	16QAM	25	25	21.41	21.46	21.41				
10	16QAM	50	0	21.39	21.45	21.37				
10	64QAM	1	0	21.72	21.80	21.65			22	2
10	64QAM	1	25	21.68	21.70	21.64				
10	64QAM	1	49	21.69	21.74	21.58				
10	64QAM	25	0	20.40	20.54	20.48			21	3
10	64QAM	25	12	20.45	20.48	20.45				
10	64QAM	25	25	20.35	20.44	20.21				
10	64QAM	50	0	20.28	20.47	20.28				
10	256QAM	1	0	18.31	18.51	18.40			19	5
10	256QAM	1	25	18.41	18.38	18.32				
10	256QAM	1	49	18.29	18.37	18.34				
10	256QAM	25	0	18.28	18.46	18.28			19	5
10	256QAM	25	12	18.32	18.41	18.30				
10	256QAM	25	25	18.39	18.44	18.34				
10	256QAM	50	0	18.31	18.44	18.31				
Channel										
				1712.5	1745	1772.5				
5	QPSK	1	0	23.68	23.73	23.52			24	0
5	QPSK	1	12	23.80	23.63	23.49				
5	QPSK	1	24	23.47	23.57	23.53				
5	QPSK	12	0	22.51	22.52	22.43			23	1
5	QPSK	12	7	22.48	22.48	22.44				
5	QPSK	12	13	22.43	22.47	22.44				
5	QPSK	25	0	22.33	22.53	22.40				
5	16QAM	1	0	22.27	22.28	22.20			23	1
5	16QAM	1	12	22.15	22.21	22.10				
5	16QAM	1	24	22.16	22.15	22.11				
5	16QAM	12	0	21.48	21.53	21.43			22	2
5	16QAM	12	7	21.42	21.59	21.47				
5	16QAM	12	13	21.48	21.48	21.45				
5	16QAM	25	0	21.29	21.42	21.45				
5	64QAM	1	0	21.68	21.79	21.70			22	2
5	64QAM	1	12	21.67	21.77	21.63				
5	64QAM	1	24	21.69	21.64	21.58				
5	64QAM	12	0	20.50	20.51	20.41			21	3
5	64QAM	12	7	20.49	20.50	20.42				
5	64QAM	12	13	20.28	20.40	20.28				
5	16QAM	25	0	20.35	20.39	20.41				
5	256QAM	1	0	18.39	18.46	18.41			19	5
5	256QAM	1	12	18.39	18.42	18.38				
5	256QAM	1	24	18.39	18.32	18.30				
5	256QAM	12	0	18.26	18.49	18.27			19	5
5	256QAM	12	7	18.37	18.44	18.36				
5	256QAM	12	13	18.37	18.38	18.36				
5	256QAM	25	0	18.29	18.38	18.30				
Channel										
				1716.7	1745	1772.5				
3	QPSK	1	0	23.69	23.68	23.59			24	0
3	QPSK	1	8	23.85	23.63	23.58				
3	QPSK	1	14	23.43	23.57	23.52				
3	QPSK	8	0	22.59	22.59	22.45			23	1
3	QPSK	8	4	22.49	22.52	22.38				
3	QPSK	8	7	22.42	22.46	22.40				
3	QPSK	15	0	22.39	22.46	22.32				
3	16QAM	1	0	22.23	22.25	22.20			23	1
3	16QAM	1	8	22.10	22.17	22.16				
3	16QAM	1	14	22.16	22.15	22.15				
3	16QAM	8	0	21.55	21.57	21.44			22	2
3	16QAM	8	4	21.41	21.50	21.51				
3	1									

Uplink CA Power

Ant0								
CA_7C								
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		
20850	21048	QPSK	1	99	1	0	21.04	22.00
21100	21298	QPSK	1	99	1	0	21.09	22.00
21350	21152	QPSK	1	0	1	99	20.94	22.00

Ant1								
CA_7C								
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		
20850	21048	QPSK	1	99	1	0	20.41	22.00
21100	21298	QPSK	1	99	1	0	20.48	22.00
21350	21152	QPSK	1	0	1	99	20.36	22.00

Ant0								
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	23.05	24.00
132322	132520	QPSK	1	99	1	0	23.16	24.00
132572	132374	QPSK	1	0	1	99	23.09	24.00

Ant1								
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	20.94	22.00
132322	132520	QPSK	1	99	1	0	21.02	22.00
132572	132374	QPSK	1	0	1	99	20.91	22.00

Ant0								
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	22.45	24.00
40185	40383	QPSK	1	99	1	0	22.58	24.00
40620	40818	QPSK	1	99	1	0	22.63	24.00
41055	41253	QPSK	1	99	1	0	22.5	24.00
41490	41292	QPSK	1	0	1	99	22.39	24.00

Ant1								
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	23.16	24.00
40185	40383	QPSK	1	99	1	0	23.29	24.00
40620	40818	QPSK	1	99	1	0	23.38	24.00
41055	41253	QPSK	1	99	1	0	23.27	24.00
41490	41292	QPSK	1	0	1	99	23.22	24.00

Ant0								
CA_41C HPUE								
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	25.42	26.00
40185	40383	QPSK	1	99	1	0	25.48	26.00
40620	40818	QPSK	1	99	1	0	25.54	26.00
41055	41253	QPSK	1	99	1	0	25.51	26.00
41490	41292	QPSK	1	0	1	99	25.37	26.00

Ant1								
CA_41C HPUE								
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	25.13	27.00
40185	40383	QPSK	1	99	1	0	25.28	27.00
40620	40818	QPSK	1	99	1	0	25.32	27.00
41055	41253	QPSK	1	99	1	0	25.21	27.00
41490	41292	QPSK	1	0	1	99	25.19	27.00

Ant0								
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	22.35	24.00
20476	20575	QPSK	1	49	1	0	22.44	24.00
20600	20501	QPSK	1	0	1	49	22.40	24.00

Ant1								
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	20.94	22.00
20476	20575	QPSK	1	49	1	0	21.02	22.00
20600	20501	QPSK	1	0	1	49	20.98	22.00

Ant0								
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	23.03	24.00
132322	132415	QPSK	1	74	1	0	23.15	24.00
132597	132504	QPSK	1	0	1	24	23.09	24.00

Ant1								
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	20.66	22.00
132322	132415	QPSK	1	74	1	0	20.79	22.00
132597	132504	QPSK	1	0	1	24	20.72	22.00

Ant0								
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	21.23	23.00
55830	56028	QPSK	1	99	1	0	21.39	23.00
56442	56244	QPSK	1	99	1	0	21.30	23.00

Ant1								
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	23.16	24.00
55830	56028	QPSK	1	99	1	0	23.29	24.00
56442	56244	QPSK	1	99	1	0	23.21	24.00

Ant2		CA_7C							
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			
20850	21048	QPSK	1	99	1	0	20.05	21.00	
21100	21298	QPSK	1	99	1	0	20.23	21.00	
21350	21152	QPSK	1	0	1	99	20.18	21.00	

Ant3		CA_7C							
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			
20850	21048	QPSK	1	99	1	0	22.84	24.00	
21100	21298	QPSK	1	99	1	0	22.92	24.00	
21350	21152	QPSK	1	0	1	99	22.80	24.00	

Ant2		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	21.26	22.00	
132322	132520	QPSK	1	99	1	0	21.34	22.00	
132572	132374	QPSK	1	0	1	99	21.31	22.00	

Ant3		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	22.60	24.00	
132322	132520	QPSK	1	99	1	0	22.64	24.00	
132572	132374	QPSK	1	0	1	99	22.53	24.00	

Ant2		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	23.01	24.00	
40185	40383	QPSK	1	99	1	0	23.13	24.00	
40620	40818	QPSK	1	99	1	0	23.22	24.00	
41055	41253	QPSK	1	99	1	0	23.15	24.00	
41490	41292	QPSK	1	0	1	99	23.08	24.00	

Ant3		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	22.87	24.00	
40185	40383	QPSK	1	99	1	0	22.91	24.00	
40620	40818	QPSK	1	99	1	0	22.94	24.00	
41055	41253	QPSK	1	99	1	0	22.82	24.00	
41490	41292	QPSK	1	0	1	99	22.78	24.00	

Ant2		CA_41C HPUE							
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	25.36	27.00	
40185	40383	QPSK	1	99	1	0	25.41	27.00	
40620	40818	QPSK	1	99	1	0	25.44	27.00	
41055	41253	QPSK	1	99	1	0	25.3	27.00	
41490	41292	QPSK	1	0	1	99	25.26	27.00	

Ant3		CA_41C HPUE							
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	25.13	27.00	
40185	40383	QPSK	1	99	1	0	25.08	27.00	
40620	40818	QPSK	1	99	1	0	25.29	27.00	
41055	41253	QPSK	1	99	1	0	25.2	27.00	
41490	41292	QPSK	1	0	1	99	25.16	27.00	

Ant2		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	21.73	23.00	
20476	20575	QPSK	1	49	1	0	21.87	23.00	
20600	20501	QPSK	1	0	1	49	21.81	23.00	

Ant2		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	20.84	22.00	
132322	132415	QPSK	1	74	1	0	20.99	22.00	
132597	132504	QPSK	1	0	1	24	20.95	22.00	

Ant3		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	22.71	24.00	
132322	132415	QPSK	1	74	1	0	22.76	24.00	
132597	132504	QPSK	1	0	1	24	22.60	24.00	

Ant2		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	20.30	21.00	
55830	56028	QPSK	1	99	1	0	20.36	21.00	
56442	56244	QPSK	1	99	1	0	20.22	21.00	

Ant3		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	23.11	24.00	
55830	56028	QPSK	1	99	1	0	23.16	24.00	
56442	56244	QPSK	1	0	1	99	23.05	24.00	

Uplink CA Down Power

Ant2 DSI2 Standalone

CA_7C								
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		
20850	21048	QPSK	1	99	1	0	13.03	14.40
21100	21298	QPSK	1	99	1	0	13.08	14.40
21350	21152	QPSK	1	0	1	99	13.05	14.40

Ant3 DSI2 Standalone

CA_7C								
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		
20850	21048	QPSK	1	99	1	0	18.06	19.60
21100	21298	QPSK	1	99	1	0	18.15	19.60
21350	21152	QPSK	1	0	1	99	18.08	19.60

Ant2 DSI2 Standalone

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	21.26	22.00
132322	132520	QPSK	1	99	1	0	21.34	22.00
132572	132374	QPSK	1	0	1	99	21.31	22.00

Ant3 DSI2 Standalone

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	19.75	21.40
132322	132520	QPSK	1	99	1	0	19.81	21.40
132572	132374	QPSK	1	0	1	99	19.68	21.40

Ant2 DSI2 Standalone

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	17.58	19.20
40185	40383	QPSK	1	99	1	0	17.66	19.20
40620	40818	QPSK	1	99	1	0	17.72	19.20
41055	41253	QPSK	1	99	1	0	17.65	19.20
41490	41292	QPSK	1	0	1	99	17.60	19.20

Ant3 DSI2 Standalone

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	19.14	21.10
40185	40383	QPSK	1	99	1	0	19.12	21.10
40620	40818	QPSK	1	99	1	0	19.35	21.10
41055	41253	QPSK	1	99	1	0	19.15	21.10
41490	41292	QPSK	1	0	1	99	19.28	21.10

Ant2 DSI2 Standalone

CA_41C HPUE								
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	19.48	20.80
40185	40383	QPSK	1	99	1	0	19.41	20.80
40620	40818	QPSK	1	99	1	0	19.55	20.80
41055	41253	QPSK	1	99	1	0	19.22	20.80
41490	41292	QPSK	1	0	1	99	19.31	20.80

Ant3 DSI2 Standalone

CA_41C HPUE								
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	20.77	22.70
40185	40383	QPSK	1	99	1	0	20.85	22.70
40620	40818	QPSK	1	99	1	0	20.94	22.70
41055	41253	QPSK	1	99	1	0	20.71	22.70
41490	41292	QPSK	1	0	1	99	20.82	22.70

Ant2 DSI2 Standalone

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	20.84	22.00
132322	132415	QPSK	1	74	1	0	20.99	22.00
132597	132504	QPSK	1	0	1	24	20.95	22.00

Ant3 DSI2 Standalone

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	19.54	21.40
132322	132415	QPSK	1	74	1	0	19.75	21.40
132597	132504	QPSK	1	0	1	24	19.64	21.40

Ant2 DSI2 Standalone

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	18.21	19.80
55830	56028	QPSK	1	99	1	0	18.35	19.80
56442	56244	QPSK	1	99	1	0	18.22	19.80

Ant3 DSI2 Standalone

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	17.65	19.10
55830	56028	QPSK	1	99	1	0	17.71	19.10
56442	56244	QPSK	1	99	1	0	17.59	19.10



Ant2 DSI2 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	12.06	13.20
21100	21298	QPSK	1	99	1	0	12.11	13.20
21350	21152	QPSK	1	0	1	99	12.09	13.20

Ant3 DSI2 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.01	18.40
21100	21298	QPSK	1	99	1	0	17.12	18.40
21350	21152	QPSK	1	0	1	99	17.06	18.40

Ant2 DSI2 Simultaneous

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.26	22.00
132322	132520	QPSK	1	99	1	0	21.34	22.00
132572	132374	QPSK	1	0	1	99	21.31	22.00

Ant3 DSI2 Simultaneous

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	18.65	20.20
132322	132520	QPSK	1	99	1	0	18.76	20.20
132572	132374	QPSK	1	0	1	99	18.55	20.20

Ant2 DSI2 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	16.51	18.10
40185	40383	QPSK	1	99	1	0	16.66	18.10
40620	40818	QPSK	1	99	1	0	16.71	18.10
41055	41253	QPSK	1	99	1	0	16.52	18.10
41490	41292	QPSK	1	0	1	99	16.48	18.10

Ant3 DSI2 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.33	20.00
40185	40383	QPSK	1	99	1	0	18.42	20.00
40620	40818	QPSK	1	99	1	0	18.45	20.00
41055	41253	QPSK	1	99	1	0	18.35	20.00
41490	41292	QPSK	1	0	1	99	18.28	20.00

Ant2 DSI2 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.01	19.70
40185	40383	QPSK	1	99	1	0	18.12	19.70
40620	40818	QPSK	1	99	1	0	18.22	19.70
41055	41253	QPSK	1	99	1	0	18.11	19.70
41490	41292	QPSK	1	0	1	99	18.07	19.70

Ant3 DSI2 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.75	21.60
40185	40383	QPSK	1	99	1	0	19.82	21.60
40620	40818	QPSK	1	99	1	0	20.02	21.60
41055	41253	QPSK	1	99	1	0	19.95	21.60
41490	41292	QPSK	1	0	1	99	19.82	21.60

Ant2 DSI2 Simultaneous

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.08	22.00
132322	132415	QPSK	1	74	1	0	21.11	22.00
132597	132504	QPSK	1	0	1	24	21.05	22.00

Ant3 DSI2 Simultaneous

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.36	20.20
132322	132415	QPSK	1	74	1	0	18.45	20.20
132597	132504	QPSK	1	0	1	24	18.41	20.20

Ant2 DSI2 Simultaneous

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	17.23	18.70
55830	56028	QPSK	1	99	1	0	17.32	18.70
56442	56244	QPSK	1	99	1	0	17.19	18.70

Ant3 DSI2 Simultaneous

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	16.75	18.00
55830	56028	QPSK	1	99	1	0	16.78	18.00
56442	56244	QPSK	1	99	1	0	16.64	18.00

Ant1 DSI3 Standalone

CA_7C									
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			
20850	21048	QPSK	1	99	1	0	19.97	21.50	
21100	21298	QPSK	1	99	1	0	20.05	21.50	
21350	21152	QPSK	1	0	1	99	20.01	21.50	

Ant0 DSI3 Standalone

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	22.55	23.50	
132322	132520	QPSK	1	99	1	0	22.61	23.50	
132572	132374	QPSK	1	0	1	99	22.48	23.50	

Ant0 DSI3 Standalone

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	21.88	23.00	
40185	40383	QPSK	1	99	1	0	21.92	23.00	
40620	40818	QPSK	1	99	1	0	21.95	23.00	
41055	41253	QPSK	1	99	1	0	21.85	23.00	
41490	41292	QPSK	1	0	1	99	21.82	23.00	

Ant1 DSI3 Standalone

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	20.34	22.00	
40185	40383	QPSK	1	99	1	0	20.35	22.00	
40620	40818	QPSK	1	99	1	0	20.39	22.00	
41055	41253	QPSK	1	99	1	0	20.32	22.00	
41490	41292	QPSK	1	0	1	99	20.25	22.00	

Ant0 DSI3 Standalone

CA_41C HPUE									
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	23.32	24.60	
40185	40383	QPSK	1	99	1	0	23.36	24.60	
40620	40818	QPSK	1	99	1	0	23.41	24.60	
41055	41253	QPSK	1	99	1	0	23.28	24.60	
41490	41292	QPSK	1	0	1	99	23.29	24.60	

Ant1 DSI3 Standalone

CA_41C HPUE									
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	22.21	23.60	
40185	40383	QPSK	1	99	1	0	22.23	23.60	
40620	40818	QPSK	1	99	1	0	22.35	23.60	
41055	41253	QPSK	1	99	1	0	22.12	23.60	
41490	41292	QPSK	1	0	1	99	22.19	23.60	

Ant0 DSI3 Standalone

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	22.58	23.50	
132322	132415	QPSK	1	74	1	0	22.69	23.50	
132597	132504	QPSK	1	0	1	24	22.62	23.50	

Ant2 DS13 Standalone

CA_7C								
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		
20850	21048	QPSK	1	99	1	0	15.78	17.10
21100	21298	QPSK	1	99	1	0	15.91	17.10
21350	21152	QPSK	1	0	1	99	15.88	17.10

Ant3 DS13 Standalone

CA_7C								
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		
20850	21048	QPSK	1	99	1	0	22.37	23.90
21100	21298	QPSK	1	99	1	0	22.41	23.90
21350	21152	QPSK	1	0	1	99	22.34	23.90

Ant3 DS13 Standalone

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	22.60	24.00
132322	132520	QPSK	1	99	1	0	22.64	24.00
132572	132374	QPSK	1	0	1	99	22.53	24.00

Ant2 DS13 Standalone

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	16.95	18.20
40185	40383	QPSK	1	99	1	0	16.90	18.20
40620	40818	QPSK	1	99	1	0	17.02	18.20
41055	41253	QPSK	1	99	1	0	16.96	18.20
41490	41292	QPSK	1	0	1	99	16.89	18.20

Ant3 DS13 Standalone

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	20.78	22.20
40185	40383	QPSK	1	99	1	0	20.82	22.20
40620	40818	QPSK	1	99	1	0	20.88	22.20
41055	41253	QPSK	1	99	1	0	20.54	22.20
41490	41292	QPSK	1	0	1	99	20.51	22.20

Ant2 DS13 Standalone

CA_41C HPUE								
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	18.61	19.80
40185	40383	QPSK	1	99	1	0	18.64	19.80
40620	40818	QPSK	1	99	1	0	18.7	19.80
41055	41253	QPSK	1	99	1	0	18.68	19.80
41490	41292	QPSK	1	0	1	99	18.66	19.80

Ant3 DS13 Standalone

CA_41C HPUE								
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	22.35	23.80
40185	40383	QPSK	1	99	1	0	22.27	23.80
40620	40818	QPSK	1	99	1	0	22.51	23.80
41055	41253	QPSK	1	99	1	0	22.29	23.80
41490	41292	QPSK	1	0	1	99	22.15	23.80

Ant3 DS13 Standalone

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	22.71	24.00
132322	132415	QPSK	1	74	1	0	22.76	24.00
132597	132504	QPSK	1	0	1	24	22.60	24.00

Ant2 Default

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	19.88	21.00
55830	56028	QPSK	1	99	1	0	20.21	21.00
56442	56244	QPSK	1	99	1	0	19.95	21.00

Ant3 DS13 Standalone

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	22.01	23.40
55830	56028	QPSK	1	99	1	0	22.12	23.40
56442	56244	QPSK	1	99	1	0	21.95	23.40

Ant0 DS13 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.23	21.90
21100	21298	QPSK	1	99	1	0	20.36	21.90
21350	21152	QPSK	1	0	1	99	20.21	21.90

Ant1 DS13 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.45	20.70
21100	21298	QPSK	1	99	1	0	19.55	20.70
21350	21152	QPSK	1	0	1	99	19.41	20.70

Ant0 DS13 Simultaneous

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.01	22.50
132322	132520	QPSK	1	99	1	0	21.12	22.50
132572	132374	QPSK	1	0	1	99	21.06	22.50

Ant1 DS13 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.26	20.60
40185	40383	QPSK	1	99	1	0	19.32	20.60
40620	40818	QPSK	1	99	1	0	19.35	20.60
41055	41253	QPSK	1	99	1	0	19.21	20.60
41490	41292	QPSK	1	0	1	99	19.26	20.60

Ant0 DS13 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.57	22.20
40185	40383	QPSK	1	99	1	0	20.62	22.20
40620	40818	QPSK	1	99	1	0	20.65	22.20
41055	41253	QPSK	1	99	1	0	20.44	22.20
41490	41292	QPSK	1	0	1	99	20.54	22.20

Ant1 DS13 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.12	22.80
40185	40383	QPSK	1	99	1	0	22.14	22.80
40620	40818	QPSK	1	99	1	0	22.26	22.80
41055	41253	QPSK	1	99	1	0	22.04	22.80
41490	41292	QPSK	1	0	1	99	22.09	22.80

Ant0 DS13 Simultaneous

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.74	22.50
132322	132415	QPSK	1	74	1	0	21.11	22.50
132597	132504	QPSK	1	0	1	24	21.08	22.50

Ant2 DS13 Simultaneous

CA_7C								
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		
20850	21048	QPSK	1	99	1	0	14.02	15.10
21100	21298	QPSK	1	99	1	0	14.11	15.10
21350	21152	QPSK	1	0	1	99	14.03	15.10

Ant3 DS13 Simultaneous

CA_7C								
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		
20850	21048	QPSK	1	99	1	0	21.50	22.90
21100	21298	QPSK	1	99	1	0	21.62	22.90
21350	21152	QPSK	1	0	1	99	21.59	22.90

Ant2 DS13 Simultaneous

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	19.44	21.20
132322	132520	QPSK	1	99	1	0	19.52	21.20
132572	132374	QPSK	1	0	1	99	19.46	21.20

Ant3 DS13 Simultaneous

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	20.14	21.80
132322	132520	QPSK	1	99	1	0	20.22	21.80
132572	132374	QPSK	1	0	1	99	20.19	21.80

Ant2 DS13 Simultaneous

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	16.27	17.60
40185	40383	QPSK	1	99	1	0	16.31	17.60
40620	40818	QPSK	1	99	1	0	16.34	17.60
41055	41253	QPSK	1	99	1	0	16.25	17.60
41490	41292	QPSK	1	0	1	99	16.22	17.60

Ant3 DS13 Simultaneous

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	19.26	20.60
40185	40383	QPSK	1	99	1	0	19.33	20.60
40620	40818	QPSK	1	99	1	0	19.42	20.60
41055	41253	QPSK	1	99	1	0	19.38	20.60
41490	41292	QPSK	1	0	1	99	19.28	20.60

Ant2 DS13 Simultaneous

CA_41C HPUE								
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	18.26	19.20
40185	40383	QPSK	1	99	1	0	18.32	19.20
40620	40818	QPSK	1	99	1	0	18.35	19.20
41055	41253	QPSK	1	99	1	0	18.27	19.20
41490	41292	QPSK	1	0	1	99	19.21	19.20

Ant3 DS13 Simultaneous

CA_41C HPUE								
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	20.95	22.20
40185	40383	QPSK	1	99	1	0	20.99	22.20
40620	40818	QPSK	1	99	1	0	21.06	22.20
41055	41253	QPSK	1	99	1	0	20.88	22.20
41490	41292	QPSK	1	0	1	99	20.86	22.20

Ant2 DS13 Simultaneous

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	19.55	21.20
132322	132415	QPSK	1	74	1	0	19.61	21.20
132597	132504	QPSK	1	0	1	24	19.47	21.20

Ant3 DS13 Simultaneous

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	20.02	21.80
132322	132415	QPSK	1	74	1	0	20.11	21.80
132597	132504	QPSK	1	0	1	24	20.09	21.80

Ant2 DS13 Simultaneous

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	18.47	19.60
55830	56028	QPSK	1	99	1	0	18.52	19.60
56442	56244	QPSK	1	99	1	0	18.41	19.60

Ant3 DS13 Simultaneous

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	17.12	18.30
55830	56028	QPSK	1	99	1	0	17.23	18.30
56442	56244	QPSK	1	99	1	0	17.18	18.30

Ant0 DSI5 Standalone

CA_7C								
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		
20850	21048	QPSK	1	99	1	0	20.68	22.00
21100	21298	QPSK	1	99	1	0	20.73	22.00
21350	21152	QPSK	1	0	1	99	20.62	22.00

Ant1 DSI5 Standalone

CA_7C								
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		
20850	21048	QPSK	1	99	1	0	20.06	21.80
21100	21298	QPSK	1	99	1	0	20.13	21.80
21350	21152	QPSK	1	0	1	99	20.02	21.80

Ant0 DSI5 Standalone

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	21.58	23.00
132322	132520	QPSK	1	99	1	0	21.66	23.00
132572	132374	QPSK	1	0	1	99	21.41	23.00

Ant1 DSI5 Standalone

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	22.45	23.50
40185	40383	QPSK	1	99	1	0	22.58	23.50
40620	40818	QPSK	1	99	1	0	22.63	23.50
41055	41253	QPSK	1	99	1	0	22.5	23.50
41490	41292	QPSK	1	0	1	99	22.39	23.50

Ant0 DSI5 Standalone

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	22.45	23.50
40185	40383	QPSK	1	99	1	0	22.51	23.50
40620	40818	QPSK	1	99	1	0	22.57	23.50
41055	41253	QPSK	1	99	1	0	22.51	23.50
41490	41292	QPSK	1	0	1	99	22.15	23.50

Ant0 DSI5 Standalone

CA_41C HPUE								
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	24.35	25.10
40185	40383	QPSK	1	99	1	0	24.38	25.10
40620	40818	QPSK	1	99	1	0	24.41	25.10
41055	41253	QPSK	1	99	1	0	24.28	25.10
41490	41292	QPSK	1	0	1	99	24.21	25.10

Ant1 DSI5 Standalone

CA_41C HPUE								
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	24.05	25.10
40185	40383	QPSK	1	99	1	0	24.13	25.10
40620	40818	QPSK	1	99	1	0	24.15	25.10
41055	41253	QPSK	1	99	1	0	24.08	25.10
41490	41292	QPSK	1	0	1	99	24.01	25.10

Ant0 DSI5 Standalone

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	21.41	23.00
132322	132415	QPSK	1	74	1	0	21.45	23.00
132597	132504	QPSK	1	0	1	24	21.39	23.00



Ant2 DSI5 Standalone

CA_7C								
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		
20850	21048	QPSK	1	99	1	0	18.62	19.70
21100	21298	QPSK	1	99	1	0	18.66	19.70
21350	21152	QPSK	1	0	1	99	18.52	19.70

Ant3 Default

CA_7C								
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		
20850	21048	QPSK	1	99	1	0	22.84	24.00
21100	21298	QPSK	1	99	1	0	22.92	24.00
21350	21152	QPSK	1	0	1	99	22.80	24.00

Ant2 Default

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	21.21	22.00
132322	132520	QPSK	1	99	1	0	21.25	22.00
132572	132374	QPSK	1	0	1	99	21.17	22.00

Ant3 DSI5 Standalone

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	22.60	24.00
132322	132520	QPSK	1	99	1	0	22.64	24.00
132572	132374	QPSK	1	0	1	99	22.53	24.00

Ant2 DSI5 Standalone

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	21.62	23.40
40185	40383	QPSK	1	99	1	0	21.68	23.40
40620	40818	QPSK	1	99	1	0	21.75	23.40
41055	41253	QPSK	1	99	1	0	21.53	23.40
41490	41292	QPSK	1	0	1	99	21.59	23.40

Ant3 Default

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	22.87	24.00
40185	40383	QPSK	1	99	1	0	22.91	24.00
40620	40818	QPSK	1	99	1	0	22.94	24.00
41055	41253	QPSK	1	99	1	0	22.82	24.00
41490	41292	QPSK	1	0	1	99	22.78	24.00

Ant2 DSI5 Standalone

CA_41C HPUE								
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	23.52	25.00
40185	40383	QPSK	1	99	1	0	23.61	25.00
40620	40818	QPSK	1	99	1	0	23.62	25.00
41055	41253	QPSK	1	99	1	0	23.48	25.00
41490	41292	QPSK	1	0	1	99	23.49	25.00

Ant3 Default

CA_41C HPUE								
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	25.13	26.50
40185	40383	QPSK	1	99	1	0	25.08	26.50
40620	40818	QPSK	1	99	1	0	25.29	26.50
41055	41253	QPSK	1	99	1	0	25.2	26.50
41490	41292	QPSK	1	0	1	99	25.16	26.50

Ant2 Default

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	21.13	22.00
132322	132415	QPSK	1	74	1	0	21.18	22.00
132597	132504	QPSK	1	0	1	24	21.05	22.00

Ant3 DSI5 Standalone

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	22.71	24.00
132322	132415	QPSK	1	74	1	0	22.76	24.00
132597	132504	QPSK	1	0	1	24	22.60	24.00

Ant2 Default

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	18.98	19.90
55830	56028	QPSK	1	99	1	0	19.02	19.90
56442	56244	QPSK	1	99	1	0	18.95	19.90

Ant3 DSI5 Standalone

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	19.54	21.10
55830	56028	QPSK	1	99	1	0	19.66	21.10
56442	56244	QPSK	1	99	1	0	19.61	21.10

Ant0 DS15 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
20850	21048	QPSK	1	99	1	0	20.22	21.70
21100	21298	QPSK	1	99	1	0	20.31	21.70
21350	21152	QPSK	1	0	1	99	20.25	21.70

Ant1 DS15 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
20850	21048	QPSK	1	99	1	0	18.77	20.10
21100	21298	QPSK	1	99	1	0	18.88	20.10
21350	21152	QPSK	1	0	1	99	18.83	20.10

Ant0 DS15 Simultaneous

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
132072	132270	QPSK	1	99	1	0	20.58	21.90
132322	132520	QPSK	1	99	1	0	20.62	21.90
132572	132374	QPSK	1	0	1	99	20.49	21.90

Ant1 DS15 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
39750	39948	QPSK	1	99	1	0	20.84	22.20
40185	40383	QPSK	1	99	1	0	20.89	22.20
40620	40818	QPSK	1	99	1	0	20.95	22.20
41055	41253	QPSK	1	99	1	0	20.74	22.20
41490	41292	QPSK	1	0	1	99	20.76	22.20

Ant0 DS15 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
39750	39948	QPSK	1	99	1	0	20.84	22.20
40185	40383	QPSK	1	99	1	0	20.89	22.20
40620	40818	QPSK	1	99	1	0	20.95	22.20
41055	41253	QPSK	1	99	1	0	20.74	22.20
41490	41292	QPSK	1	0	1	99	20.76	22.20

Ant0 DS15 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
39750	39948	QPSK	1	99	1	0	22.15	23.80
40185	40383	QPSK	1	99	1	0	22.23	23.80
40620	40818	QPSK	1	99	1	0	22.28	23.80
41055	41253	QPSK	1	99	1	0	22.14	23.80
41490	41292	QPSK	1	0	1	99	22.19	23.80

Ant1 DS15 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
39750	39948	QPSK	1	99	1	0	22.15	23.50
40185	40383	QPSK	1	99	1	0	22.26	23.50
40620	40818	QPSK	1	99	1	0	22.35	23.50
41055	41253	QPSK	1	99	1	0	22.17	23.50
41490	41292	QPSK	1	0	1	99	22.09	23.50

Ant0 DS15 Simultaneous

CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
20450	20549	QPSK	1	49	1	0	22.35	23.70
20476	20575	QPSK	1	49	1	0	22.44	23.70
20600	20501	QPSK	1	0	1	49	22.40	23.70

Ant0 DS15 Simultaneous

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	kB offset	RB Size	kB offset		
132047	132140	QPSK	1	74	1	0	20.48	21.90
132322	132415	QPSK	1	74	1	0	20.55	21.90
132597	132504	QPSK	1	0	1	24	20.41	21.90



Ant2 DS15 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	15.26	17.10
21100	21298	QPSK	1	99	1	0	15.35	17.10
21350	21152	QPSK	1	0	1	99	15.29	17.10

Ant3 DS15 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.84	23.90
21100	21298	QPSK	1	99	1	0	22.92	23.90
21350	21152	QPSK	1	0	1	99	22.80	23.90

Ant2 Default

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.26	22.00
132322	132520	QPSK	1	99	1	0	21.34	22.00
132572	132374	QPSK	1	0	1	99	21.31	22.00

Ant3 DS15 Simultaneous

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	19.85	21.10
132322	132520	QPSK	1	99	1	0	19.93	21.10
132572	132374	QPSK	1	0	1	99	19.75	21.10

Ant2 DS15 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.41	19.90
40185	40383	QPSK	1	99	1	0	18.45	19.90
40620	40818	QPSK	1	99	1	0	18.52	19.90
41055	41253	QPSK	1	99	1	0	18.34	19.90
41490	41292	QPSK	1	0	1	99	18.39	19.90

Ant3 DS15 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.59	23.00
40185	40383	QPSK	1	99	1	0	21.65	23.00
40620	40818	QPSK	1	99	1	0	21.88	23.00
41055	41253	QPSK	1	99	1	0	21.84	23.00
41490	41292	QPSK	1	0	1	99	21.82	23.00

Ant2 DS15 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.11	21.50
40185	40383	QPSK	1	99	1	0	20.06	21.50
40620	40818	QPSK	1	99	1	0	20.16	21.50
41055	41253	QPSK	1	99	1	0	20.07	21.50
41490	41292	QPSK	1	0	1	99	20.03	21.50

Ant3 DS15 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.12	24.60
40185	40383	QPSK	1	99	1	0	23.16	24.60
40620	40818	QPSK	1	99	1	0	23.25	24.60
41055	41253	QPSK	1	99	1	0	23.18	24.60
41490	41292	QPSK	1	0	1	99	23.17	24.60

Ant2 Default

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.88	22.00
132322	132415	QPSK	1	74	1	0	21.15	22.00
132597	132504	QPSK	1	0	1	24	20.93	22.00

Ant3 DS15 Simultaneous

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.85	21.10
132322	132415	QPSK	1	74	1	0	19.93	21.10
132597	132504	QPSK	1	0	1	24	19.75	21.10

Ant2 DS15 Simultaneous

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	18.54	19.90
55830	56028	QPSK	1	99	1	0	18.86	19.90
56442	56244	QPSK	1	99	1	0	18.54	19.90

Ant3 DS15 Simultaneous

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	15.12	16.40
55830	56028	QPSK	1	99	1	0	15.23	16.40
56442	56244	QPSK	1	99	1	0	15.18	16.40



Ant2 DSI6 Standalone

CA_7C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	18.84	20.10		
21100	21298	QPSK	1	99	1	0	18.92	20.10		
21350	21152	QPSK	1	0	1	99	18.82	20.10		

Ant3 Default

CA_7C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	22.84	24.00		
21100	21298	QPSK	1	99	1	0	22.92	24.00		
21350	21152	QPSK	1	0	1	99	22.80	24.00		

Ant2 Default

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	20.94	22.00		
132322	132520	QPSK	1	99	1	0	21.02	22.00		
132572	132374	QPSK	1	0	1	99	20.91	22.00		

Ant3 Default

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	22.60	24.00		
132322	132520	QPSK	1	99	1	0	22.64	24.00		
132572	132374	QPSK	1	0	1	99	22.53	24.00		

Ant2 DSI6 Standalone

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	21.05	22.40		
40185	40383	QPSK	1	99	1	0	21.11	22.40		
40620	40818	QPSK	1	99	1	0	21.26	22.40		
41055	41253	QPSK	1	99	1	0	21.15	22.40		
41490	41292	QPSK	1	0	1	99	21.08	22.40		

Ant3 DSI6 Standalone

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	22.31	23.70		
40185	40383	QPSK	1	99	1	0	22.35	23.70		
40620	40818	QPSK	1	99	1	0	22.39	23.70		
41055	41253	QPSK	1	99	1	0	22.25	23.70		
41490	41292	QPSK	1	0	1	99	22.21	23.70		

Ant2 DSI6 Standalone

CA_41C HPUE										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	23.11	24.00		
40185	40383	QPSK	1	99	1	0	23.18	24.00		
40620	40818	QPSK	1	99	1	0	23.22	24.00		
41055	41253	QPSK	1	99	1	0	23.16	24.00		
41490	41292	QPSK	1	0	1	99	23.17	24.00		

Ant3 DSI6 Standalone

CA_41C HPUE										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	23.65	25.30		
40185	40383	QPSK	1	99	1	0	23.74	25.30		
40620	40818	QPSK	1	99	1	0	23.85	25.30		
41055	41253	QPSK	1	99	1	0	23.71	25.30		
41490	41292	QPSK	1	0	1	99	23.72	25.30		

Ant2 Default

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	74	1	0	20.75	22.00		
132322	132415	QPSK	1	74	1	0	20.84	22.00		
132597	132504	QPSK	1	0	1	24	20.79	22.00		

Ant3 Default

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	74	1	0	22.71	24.00		
132322	132415	QPSK	1	74	1	0	22.76	24.00		
132597	132504	QPSK	1	0	1	24	22.60	24.00		

Ant2 Default

CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	99	1	0	20.06	21.00		
55830	56028	QPSK	1	99	1	0	20.11	21.00		
56442	56244	QPSK	1	99	1	0	20.09	21.00		

Ant3 DSI6 Standalone

CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	99	1	0	22.05	23.40		
55830	56028	QPSK	1	99	1	0	22.15	23.40		
56442	56244	QPSK	1	99	1	0	22.03	23.40		



Ant2 DSI6 Simultaneous

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.36	19.70
21100	21298	QPSK	1	99	1	0	18.45	19.70
21350	21152	QPSK	1	0	1	99	18.29	19.70

Ant3 Default

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.84	24.00
21100	21298	QPSK	1	99	1	0	22.92	24.00
21350	21152	QPSK	1	0	1	99	22.80	24.00

Ant2 Default

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.26	22.00
132322	132520	QPSK	1	99	1	0	21.34	22.00
132572	132374	QPSK	1	0	1	99	21.31	22.00

Ant3 Default

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.60	24.00
132322	132520	QPSK	1	99	1	0	22.64	24.00
132572	132374	QPSK	1	0	1	99	22.53	24.00

Ant2 DSI6 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.62	22.00
40185	40383	QPSK	1	99	1	0	20.68	22.00
40620	40818	QPSK	1	99	1	0	20.88	22.00
41055	41253	QPSK	1	99	1	0	20.74	22.00
41490	41292	QPSK	1	0	1	99	20.69	22.00

Ant3 DSI6 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.75	23.10
40185	40383	QPSK	1	99	1	0	21.82	23.10
40620	40818	QPSK	1	99	1	0	21.93	23.10
41055	41253	QPSK	1	99	1	0	21.85	23.10
41490	41292	QPSK	1	0	1	99	21.86	23.10

Ant2 DSI6 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.38	23.60
40185	40383	QPSK	1	99	1	0	22.41	23.60
40620	40818	QPSK	1	99	1	0	22.54	23.60
41055	41253	QPSK	1	99	1	0	22.39	23.60
41490	41292	QPSK	1	0	1	99	22.28	23.60

Ant3 DSI6 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.14	24.70
40185	40383	QPSK	1	99	1	0	23.19	24.70
40620	40818	QPSK	1	99	1	0	23.25	24.70
41055	41253	QPSK	1	99	1	0	23.08	24.70
41490	41292	QPSK	1	0	1	99	23.06	24.70

Ant2 Default

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.11	22.00
132322	132415	QPSK	1	74	1	0	21.21	22.00
132597	132504	QPSK	1	0	1	24	21.16	22.00

Ant3 Default

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.60	24.00
132322	132415	QPSK	1	74	1	0	22.64	24.00
132597	132504	QPSK	1	0	1	24	22.53	24.00

Ant2 Default

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	20.11	21.00
55830	56028	QPSK	1	99	1	0	20.29	21.00
56442	56244	QPSK	1	99	1	0	20.23	21.00

Ant3 DSI6 Simultaneous

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measure d Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	21.61	22.70
55830	56028	QPSK	1	99	1	0	21.75	22.70
56442	56244	QPSK	1	99	1	0	21.65	22.70



DL CA Power

2CA DL

CA List	PCC										SCC					Power	
	LTE Band	BW Ant	BW (MHz)	UL Freq (MHz)	UL Channel	Mod	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW	DL Freq (MHz)	DL Channel	DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)	
CA_4A-17A	Band 4	An0	10M	1732.5	20175	QPSK	1	0	4xMMMO	Band 17	10M	740	5790		23.08	23.21	
	Band 4	An1	10M	1732.5	20175	QPSK	1	0	4xMMMO	Band 17	10M	740	5790		20.95	21.08	
	Band 4	An2	10M	1732.5	20175	QPSK	1	0	4xMMMO	Band 17	10M	740	5790		21.23	21.30	
	Band 4	An3	10M	1732.5	20175	QPSK	1	0	4xMMMO	Band 17	10M	740	5790		22.71	22.87	
	Band 17	An0	10M	710	23790	QPSK	1	0		Band 4	10M	2133	2175	4xMMMO	22.64	22.73	
	Band 17	An1	10M	710	23790	QPSK	1	0		Band 4	10M	2133	2175	4xMMMO	21.55	21.66	
CA_7B	Band 7	An0	15M	2535	21100	QPSK	1	0	4xMMMO	Band 7	5M	2544	3193	4xMMMO	20.92	21.12	
	Band 7	An1	15M	2535	21100	QPSK	1	0	4xMMMO	Band 7	5M	2544	3193	4xMMMO	21.49	21.70	
	Band 7	An2	15M	2535	21100	QPSK	1	0	4xMMMO	Band 7	5M	2544	3193	4xMMMO	21.35	21.55	
	Band 7	An3	15M	2535	21100	QPSK	1	0	4xMMMO	Band 7	5M	2544	3193	4xMMMO	22.85	23.05	
	Band 7	An0	20M	2535	21100	QPSK	1	0	4xMMMO	Band 30	10M	2355	9820	4xMMMO	21.03	21.12	
	Band 7	An1	20M	2535	21100	QPSK	1	0	4xMMMO	Band 30	10M	2355	9820	4xMMMO	21.56	21.70	
CA_7A-30A	Band 7	An2	20M	2535	21100	QPSK	1	0	4xMMMO	Band 30	10M	2355	9820	4xMMMO	21.37	21.55	
	Band 7	An3	20M	2535	21100	QPSK	1	0	4xMMMO	Band 30	10M	2355	9820	4xMMMO	22.83	23.05	
	Band 30	An0	10M	2310	27710	QPSK	1	0	4xMMMO	Band 7	20M	2655	3100	4xMMMO	23.16	23.26	
	Band 30	An1	10M	2310	27710	QPSK	1	0	4xMMMO	Band 7	20M	2655	3100	4xMMMO	21.82	21.94	
	Band 30	An2	10M	2310	27710	QPSK	1	0	4xMMMO	Band 7	20M	2655	3100	4xMMMO	21.48	21.65	
	Band 30	An3	10M	2310	27710	QPSK	1	0	4xMMMO	Band 7	20M	2655	3100	4xMMMO	22.80	22.85	
CA_26A-46A	Band 26	An0	15M	831.5	26865	QPSK	1	0		Band 46	20M	5540	50690		22.41	22.59	
	Band 26	An1	15M	831.5	26865	QPSK	1	0		Band 46	20M	5540	50690		21.23	21.38	
	Band 26	An2	15M	831.5	26865	QPSK	1	0		Band 46	20M	5540	50690		22.17	22.24	
CA_48B	Band 48	An0	10M	3625	55990	QPSK	1	0	4xMMMO	Band 48	10M	3645	56188	4xMMMO	21.24	21.44	
	Band 48	An1	10M	3625	55990	QPSK	1	0	4xMMMO	Band 48	10M	3645	56188	4xMMMO	23.80	23.88	
	Band 48	An2	10M	3625	55990	QPSK	1	0	4xMMMO	Band 48	10M	3645	56188	4xMMMO	20.38	20.51	
	Band 48	An3	10M	3625	55990	QPSK	1	0	4xMMMO	Band 48	10M	3645	56188	4xMMMO	23.07	23.26	
CA_4A-48A	Band 4	An0	20M	1732.5	20175	QPSK	1	0	4xMMMO	Band 48	20M	3609	55830	4xMMMO	23.08	23.21	
	Band 4	An1	20M	1732.5	20175	QPSK	1	0	4xMMMO	Band 48	20M	3609	55830	4xMMMO	21.00	21.08	
	Band 4	An2	20M	1732.5	20175	QPSK	1	0	4xMMMO	Band 48	20M	3609	55830	4xMMMO	21.22	21.30	
	Band 4	An3	20M	1732.5	20175	QPSK	1	0	4xMMMO	Band 48	20M	3609	55830	4xMMMO	22.73	22.87	
CA_12A-46A	Band 12	An0	10M	707.5	23095	QPSK	1	0		Band 46	20M	5540	50690		22.80	22.92	
	Band 12	An1	10M	707.5	23095	QPSK	1	0		Band 46	20M	5540	50690		21.60	21.73	
	Band 12	An2	10M	707.5	23095	QPSK	1	0		Band 46	20M	5540	50690		22.30	22.60	
CA_12A-48A	Band 12	An0	10M	707.5	23095	QPSK	1	0		Band 48	20M	3609	55830	4xMMMO	22.74	22.92	
	Band 12	An1	10M	707.5	23095	QPSK	1	0		Band 48	20M	3609	55830	4xMMMO	21.53	21.73	
	Band 12	An2	10M	707.5	23095	QPSK	1	0		Band 48	20M	3609	55830	4xMMMO	22.44	22.59	
CA_25A-41A	Band 25	An0	20M	1880	26340	QPSK	1	0	4xMMMO	Band 41	20M	2593	40620	4xMMMO	23.12	23.21	
	Band 25	An1	20M	1880	26340	QPSK	1	0	4xMMMO	Band 41	20M	2593	40620	4xMMMO	20.90	21.11	
	Band 25	An2	20M	1880	26340	QPSK	1	0	4xMMMO	Band 41	20M	2593	40620	4xMMMO	23.21	23.35	
	Band 25	An3	20M	1880	26340	QPSK	1	0	4xMMMO	Band 41	20M	2593	40620	4xMMMO	22.69	22.76	
	Band 41	An0	20M	2593	40620	QPSK	1	0	4xMMMO	Band 25	20M	1960	8340	4xMMMO	22.52	22.66	
	Band 41	An1	20M	2593	40620	QPSK	1	0	4xMMMO	Band 25	20M	1960	8340	4xMMMO	23.56	23.75	
CA_26A-41A	Band 41	An2	20M	2593	40620	QPSK	1	0	4xMMMO	Band 25	20M	1960	8340	4xMMMO	23.50	23.65	
	Band 41	An3	20M	2593	40620	QPSK	1	0	4xMMMO	Band 25	20M	1960	8340	4xMMMO	23.47	23.65	
	Band 26	An0	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMMMO	22.37	22.59	
	Band 26	An1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMMMO	21.30	21.38	
	Band 26	An2	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMMMO	22.07	22.24	
	Band 41	An0	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	5M	2688	41565	4xMMMO	22.46	22.66	
CA_41A-41A	Band 41	An1	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	5M	2688	41565	4xMMMO	23.53	23.75	
	Band 41	An2	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	5M	2688	41565	4xMMMO	23.52	23.65	
	Band 41	An3	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	5M	2688	41565	4xMMMO	23.41	23.55	
CA_46A-71A	Band 71	An0	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4xMMMO	22.84	23.04	
	Band 71	An1	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4xMMMO	21.70	21.85	



3CA DL

3CA List	PCC										SCC1				SCC2				Power				
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	DL	DL	F1.8 CA	Without CA	
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	Offset	DL Antenna Configuration	Channel	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	(dBm)	(dBm)	
CA_2A-4A-13A	Band 2	An#2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.03	23.16		
	Band 2	An#1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	20.80	21.09		
	Band 2	An#2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	21.11	21.24		
	Band 2	An#3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	22.54	22.72		
	Band 4	An#0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.06	23.21		
	Band 4	An#1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	20.86	21.08		
	Band 4	An#2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.16	21.30		
	Band 4	An#3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.75	23.07		
	Band 13	An#0	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.46	21.67		
	Band 13	An#1	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.46	21.67		
	Band 13	An#2	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.37	22.53		
	Band 13	An#3	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.37	22.53		
CA_2A-4A-28A	Band 2	An#0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 29	10M	722.5	9715	4x4MIMO	23.00	23.16		
	Band 2	An#1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 29	10M	722.5	9715	4x4MIMO	20.91	21.09		
	Band 2	An#2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 29	10M	722.5	9715	4x4MIMO	21.08	21.24		
	Band 2	An#3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 29	10M	722.5	9715	4x4MIMO	22.58	22.72		
	Band 4	An#0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.06	23.21		
	Band 4	An#1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	20.85	21.08		
	Band 4	An#2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.13	21.30		
	Band 4	An#3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.67	22.87		
	Band 2	An#0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	22.96	23.16		
	Band 2	An#1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	20.89	21.09		
	Band 2	An#2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	21.02	21.24		
	Band 2	An#3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	22.64	22.72		
CA_2A-4A-30A	Band 4	An#0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.00	23.21		
	Band 4	An#1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	20.91	21.08		
	Band 4	An#2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.14	21.30		
	Band 4	An#3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.70	22.87		
	Band 30	An#0	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.16	23.26		
	Band 30	An#1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.62	21.94		
	Band 30	An#2	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.36	21.55		
	Band 30	An#3	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.87	22.95		
	Band 2	An#0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 12	10M	737.5	5095	4x4MIMO	23.06	23.16		
	Band 2	An#1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 12	10M	737.5	5095	4x4MIMO	20.88	21.09		
	Band 2	An#2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 12	10M	737.5	5095	4x4MIMO	21.17	21.24		
	Band 2	An#3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 12	10M	737.5	5095	4x4MIMO	22.51	22.72		
CA_2C-12A	Band 12	An#0	10M	707.5	23095	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.83	22.92		
	Band 12	An#1	10M	707.5	23095	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	21.65	21.73		
	Band 12	An#2	10M	707.5	23095	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.38	22.59		
	Band 4	An#0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 7	5M	2655	3100	4x4MIMO	23.05	23.21		
	Band 4	An#1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 7	5M	2655	3100	4x4MIMO	20.89	21.08		
	Band 4	An#2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 7	5M	2655	3100	4x4MIMO	21.10	21.30		
	Band 4	An#3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 7	5M	2655	3100	4x4MIMO	22.67	22.87		
	Band 7	An#0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	20.91	21.12		
	Band 7	An#1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	21.58	21.70		
	Band 7	An#2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	21.47	21.55		
	Band 7	An#3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.90	23.05		
	CA_4A-4A-13A	Band 4	An#0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.10	23.21	
Band 4		An#1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	20.88	21.08		
Band 4		An#2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	21.17	21.30		
Band 4		An#3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	22.72	22.87		
Band 13		An#0	10M	782	23230	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.87	23.07		
Band 13		An#1	10M	782	23230	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	21.53	21.67		
Band 13		An#2	10M	782	23230	QPSK	1	0															



CA_48A-68A-48A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 46	20M	5540	50690	23.04	23.22
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 46	20M	5540	50690	20.91	21.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 46	20M	5540	50690	21.25	21.41
CA_48A-48A-48A	Band 48	Ant0	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 46	20M	5540	50690	22.74	22.89
	Band 48	Ant1	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 46	20M	5540	50690	21.34	21.44
	Band 48	Ant2	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 46	20M	5540	50690	23.75	23.88
CA_48C-71A	Band 71	Ant0	20M	883	133322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	22.84	23.04
	Band 71	Ant1	20M	883	133322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	21.73	21.85
	Band 66	Ant0	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	23.03	23.22
CA_66A-66C	Band 66	Ant1	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	20.99	21.12
	Band 66	Ant2	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	21.19	21.41
	Band 66	Ant3	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	22.81	22.89
CA_46A-66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 46	20M	5540	50690	23.10	23.22
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 46	20M	5540	50690	21.21	21.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 46	20M	5540	50690	22.80	22.89
CA_48A-48A-71A	Band 71	Ant0	20M	883	133322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	22.90	23.04
	Band 71	Ant1	20M	883	133322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	21.71	21.85
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690	22.95	23.16
CA_2A-2A-48A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690	20.94	21.09
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690	21.07	21.24
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690	22.55	22.72
CA_2A-7A-48A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690	Band 7	20M	2655	3100	4x4MIMO	23.08	23.18
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690	Band 7	20M	2655	3100	4x4MIMO	20.92	21.09
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690	Band 7	20M	2655	3100	4x4MIMO	21.10	21.24
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690	Band 7	20M	2655	3100	4x4MIMO	22.64	22.72
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690	21.05	21.12
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690	21.51	21.70
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690	21.44	21.55
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690	22.88	23.05
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	Band 46	20M	5540	50690	23.00	23.16	
CA_2A-13A-48A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	Band 46	20M	5540	50690	20.99	21.09	
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	Band 46	20M	5540	50690	21.08	21.24	
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	Band 46	20M	5540	50690	22.54	22.72	
	Band 13	Ant0	10M	782	23230	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690	Band 2	20M	1960	900	4x4MIMO	22.90	23.07
	Band 13	Ant1	10M	782	23230	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690	Band 2	20M	1960	900	4x4MIMO	21.45	21.67
	Band 13	Ant2	10M	782	23230	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690	Band 2	20M	1960	900	4x4MIMO	22.40	22.53
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5180	46890	Band 46	20M	5905	54340	23.09	23.21	
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5180	46890	Band 46	20M	5905	54340	20.94	21.08	
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5180	46890	Band 46	20M	5905	54340	21.11	21.30	
CA_4A-48A-48A	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5180	46890	Band 46	20M	5905	54340	22.75	23.07	
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	23.09	23.21
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	20.87	21.08
CA_4A-48C	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	21.21	21.30
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	22.70	22.87
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690	Band 7	20M	2655	3100	4x4MIMO	22.48	22.57
CA_5A-7A-48A	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690	Band 7	20M	2655	3100	4x4MIMO	21.18	21.31
	Band 5	Ant2	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690	Band 7	20M	2655	3100	4x4MIMO	22.08	22.16
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	Band 46	20M	5540	50690	21.00	21.12	
CA_5A-7A-48A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	Band 46	20M	5540	50690	21.81	21.70	
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	Band 46	20M	5540	50690	21.48	21.55	
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	Band 46	20M	5540	50690	22.97	23.05	
CA_5B-48A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	888.7	2597	Band 46	20M	5540	50690	22.36	22.57	
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	888.7	2597	Band 46	20M	5540	50690	21.22	21.31	
	Band 5	Ant2	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	888.7	2597	Band 46	20M	5540	50690	22.06	22.16	
CA_7C-46A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	Band 46	20M	5540	50690	21.01	21.12	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	Band 46	20M	5540	50690	21.49	21.70	
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	Band 46	20M	5540	50690	21.34	21.55	
CA_12A-46C	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	Band 46	20M	5540	50690	22.86	23.05	
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	22.72	22.92	
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690	Band 46	20M	5559.8	50888	21.65	21.73	
CA_13A-48A-68A	Band 13	Ant2	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155								



CA_4A-46D	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086			23.02	23.21				
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086			20.91	21.08				
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086			21.22	21.30				
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086			22.70	22.87				
CA_4A-48D	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56228	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.13	23.21
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56228	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	20.97	21.08
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56228	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	21.20	21.30
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56228	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	22.73	22.87
CA_5A-7A-66A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 68	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.40	22.57
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 68	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	21.13	21.31
	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 68	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.06	22.16
	Band 5	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	881.5	2525		21.01	21.12
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	881.5	2525		21.58	21.70
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	881.5	2525		21.47	21.55
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	881.5	2525		22.85	23.05
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.09	23.22
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	21.01	21.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	21.30	21.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.82	22.89
	CA_7C-46C	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5559.8	50888		20.92
Band 7		Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5559.8	50888		21.61	21.70
Band 7		Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5559.8	50888		21.35	21.55
Band 7		Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5559.8	50888		22.94	23.05
CA_13A-13C-66A	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.85	23.07
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	21.47	21.67
	Band 13	Ant2	10M	782	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.39	22.53
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5559.8	50888		23.13	23.22
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5559.8	50888		20.91	21.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5559.8	50888		21.19	21.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5559.8	50888		22.74	22.89
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 48	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5559.8	50888		23.14	23.22
CA_46C-66A-66A	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5559.8	50888		20.98	21.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5559.8	50888		21.29	21.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5559.8	50888		22.74	22.89
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3690	55340	4x4MIMO	Band 48	20M	3690	56640	4x4MIMO	Band 48	20M	3670.2	56442	4x4MIMO	Band 48	20M	3670.2	56442	4x4MIMO	22.97	23.22
CA_46A-48C-66A	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3560	55340	4x4MIMO	Band 48	20M	3690	56640	4x4MIMO	Band 48	20M	3670.2	56442	4x4MIMO	Band 48	20M	3670.2	56442	4x4MIMO	20.96	21.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3560	55340	4x4MIMO	Band 48	20M	3690	56640	4x4MIMO	Band 48	20M	3670.2	56442	4x4MIMO	Band 48	20M	3670.2	56442	4x4MIMO	23.01	21.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3560	55340	4x4MIMO	Band 48	20M	3690	56640	4x4MIMO	Band 48	20M	3670.2	56442	4x4MIMO	Band 48	20M	3670.2	56442	4x4MIMO	22.72	22.89



Full&Default Power Mode

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									
Frequency (MHz)									
20	PI2 BPSK	1	1	22.93	23.07	22.99	24.0	0.0	
20	PI2 BPSK	1	53	22.79	22.98	22.82			
20	PI2 BPSK	1	104	22.85	22.92	22.90			
20	PI2 BPSK	50	0	22.79	22.95	22.91	24.0	0.0	
20	PI2 BPSK	50	28	22.94	22.96	23.02	24.0	0.0	
20	PI2 BPSK	50	56	22.90	22.92	22.82	24.0	0.0	
20	PI2 BPSK	100	0	22.81	22.90	22.89			
20	QPSK	1	1	22.98	23.14	23.07			
20	QPSK	1	53	22.98	23.09	23.00	24.0	0.0	
20	QPSK	1	104	22.87	22.95	22.87			
20	QPSK	50	0	22.92	22.93	22.84			
20	QPSK	50	28	22.93	23.06	22.87	24.0	0.0	
20	QPSK	50	56	22.93	22.99	22.84	24.0	0.0	
20	QPSK	100	0	22.93	23.00	22.87	24.0	0.0	
20	16QAM	1	1	22.74	22.86	22.71			
20	64QAM	1	1	21.76	21.88	21.83			
20	256QAM	1	1	20.21	20.32	20.24	21.0	3.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	1852.5	1860	1862.5	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3710.00	3760.00	3810.00	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.84	23.04	22.92	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									
Frequency (MHz)									
20	PI2 BPSK	1	1	23.09	23.19	23.14	24.0	0.0	
20	PI2 BPSK	1	53	22.87	23.04	22.84			
20	PI2 BPSK	1	104	22.84	22.96	22.90			
20	PI2 BPSK	50	0	23.00	23.08	22.96	24.0	0.0	
20	PI2 BPSK	50	28	23.09	23.14	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.83	22.96	22.82	24.0	0.0	
20	PI2 BPSK	100	0	22.84	23.00	22.89			
20	QPSK	1	1	23.13	23.22	23.16			
20	QPSK	1	53	23.09	23.19	23.11	24.0	0.0	
20	QPSK	1	104	23.02	23.06	22.91			
20	QPSK	50	0	22.91	22.96	22.89			
20	QPSK	50	28	23.09	23.16	23.12	24.0	0.0	
20	QPSK	50	56	22.97	23.02	22.87	24.0	0.0	
20	QPSK	100	0	23.01	23.14	23.07	24.0	0.0	
20	16QAM	1	1	23.02	23.08	22.85			
20	64QAM	1	1	22.97	22.71	22.58			
20	256QAM	1	1	21.90	22.04	21.94	23.0	3.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	1683.00	1673.00	1683.00	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3363.00	3363.00	3363.00	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.08	23.16	23.06	24.0	0.0	

n7 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									
Frequency (MHz)									
40	PI2 BPSK	1	1	21.84	21.90	21.78	23.0	0.0	
40	PI2 BPSK	1	108	21.76	21.87	21.83			
40	PI2 BPSK	1	214	21.81	21.88	21.74			
40	PI2 BPSK	108	0	21.68	21.76	21.69	23.0	0.0	
40	PI2 BPSK	108	54	21.84	21.91	21.87	23.0	0.0	
40	PI2 BPSK	108	108	21.69	21.75	21.72	23.0	0.0	
40	PI2 BPSK	216	0	21.81	21.83	21.74			
40	QPSK	1	1	21.95	21.98	21.83			
40	QPSK	1	108	21.83	21.96	21.81	23.0	0.0	
40	QPSK	1	214	21.89	21.97	21.90			
40	QPSK	108	0	21.74	21.86	21.78			
40	QPSK	108	54	21.78	21.95	21.83	23.0	0.0	
40	QPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	QPSK	216	0	21.80	21.92	21.77	23.0	0.0	
40	16QAM	1	1	21.80	21.84	21.74			
40	64QAM	1	1	21.05	21.14	21.09			
40	256QAM	1	1	19.15	19.22	19.08	20.0	3.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2515	2535	2555	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	5025.00	5070.00	5110.00	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	21.80	21.86	21.68	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.81	21.84	21.74	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.91	21.95	21.68	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.87	21.88	21.80	23.0	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									
Frequency (MHz)				14330	14350	14370			
15	PI2 BPSK	1	1	23.05	23.11	22.97			
15	PI2 BPSK	1	40	22.84	22.92	22.80	24.0	0.0	
15	PI2 BPSK	1	77	22.75	22.80	22.74			
15	PI2 BPSK	36	0	22.96	23.01	22.96	24.0	0.0	
15	PI2 BPSK	36	22	23.01	23.06	22.94	24.0	0.0	
15	PI2 BPSK	36	43	22.90	22.96	22.88			
15	PI2 BPSK	75	0	22.90	23.02	22.96	24.0	0.0	
15	QPSK	1	1	23.13	23.19	23.12			
15	QPSK	1	40	23.07	23.12	23.08	24.0	0.0	
15	QPSK	1	77	22.87	22.95	22.90			
15	QPSK	36	0	22.92	23.01	22.89	24.0	0.0	
15	QPSK	36	22	22.97	23.06	22.97	24.0	0.0	
15	QPSK	36	43	22.94	22.99	22.89			
15	QPSK	75	0	22.89	23.01	22.90	24.0	0.0	
15	IQAM	1	1	23.07	23.11	23.07	24.0	0.0	
15	IQAM	1	1	22.01	22.11	22.03	23.0	1.0	
15	256QAM	1	1	20.14	20.28	20.17	21.0	3.0	
Channel									
Frequency (MHz)				14500	141500	142200	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	7.04	7.07.5	7.11	24.0	0.0	
Channel									
Frequency (MHz)				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	7.01.5	7.07.5	7.13.5	24.0	0.0	

n13 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									
Frequency (MHz)				792					
10	PI2 BPSK	1	1		23.18				
10	PI2 BPSK	1	26		23.13		24.0	0.0	
10	PI2 BPSK	1	50		23.05				
10	PI2 BPSK	25	0		22.97		23.5	0.5	
10	PI2 BPSK	25	14		23.15		24.0	0.0	
10	PI2 BPSK	25	27		23.01		23.5	0.5	
10	PI2 BPSK	50	0		23.11				
10	QPSK	1	1		23.29				
10	QPSK	1	26		23.19		24.0	0.0	
10	QPSK	1	50		23.13				
10	QPSK	25	0		22.46		23.0	1.0	
10	QPSK	25	14		23.19		24.0	0.0	
10	QPSK	25	27		22.97		23.0	1.0	
10	QPSK	50	0		22.58				
10	IQAM	1	1		21.67		23.0	1.0	
10	IQAM	1	1		20.78		21.5	2.5	
10	256QAM	1	1		19.36		19.5	4.5	
Channel									
Frequency (MHz)				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.20	23.25	23.22	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									
Frequency (MHz)				793					
10	PI2 BPSK	1	1		23.37				
10	PI2 BPSK	1	26		23.28		24.0	0.0	
10	PI2 BPSK	1	50		23.33				
10	PI2 BPSK	25	0		23.28		24.0	0.0	
10	PI2 BPSK	25	14		23.35		24.0	0.0	
10	PI2 BPSK	25	27		23.28		24.0	0.0	
10	PI2 BPSK	50	0		23.31				
10	QPSK	1	1		23.43				
10	QPSK	1	26		23.31		24.0	0.0	
10	QPSK	1	50		23.36				
10	QPSK	25	0		23.31		24.0	0.0	
10	QPSK	25	14		23.35		24.0	0.0	
10	QPSK	25	27		23.26		24.0	0.0	
10	QPSK	50	0		23.33				
10	IQAM	1	1		23.22		24.0	0.0	
10	IQAM	1	1		22.17		23.0	1.0	
10	256QAM	1	1		20.40		21.0	3.0	
Channel									
Frequency (MHz)				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.32	23.40	23.30	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				374200	376900	379600			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	23.00	23.13	23.12			
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0	
40	PI2 BPSK	1	214	22.98	23.08	23.02			
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0	
40	PI2 BPSK	108	84	23.04	23.11	23.14	24.0	0.0	
40	PI2 BPSK	108	108	22.96	23.07	22.93			
40	PI2 BPSK	216	0	22.98	22.98	23.05	24.0	0.0	
40	QPSK	1	1	23.08	23.25	23.21			
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0	
40	QPSK	1	214	23.02	23.06	23.00			
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0	
40	QPSK	108	84	23.02	23.16	22.97	24.0	0.0	
40	QPSK	108	108	22.98	23.08	22.83	24.0	0.0	
40	QPSK	216	0	23.04	23.12	23.04			
40	16QAM	1	1	23.08	23.21	23.18	24.0	0.0	
40	16QAM	1	1	22.05	22.13	22.08	23.0	1.0	
40	256QAM	1	1	20.89	20.74	20.63	21.0	3.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	22.92	23.11	23.06	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	22.89	23.19	23.08	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1858	1882.5	1910			
15	QPSK	1	1	22.93	23.20	23.06	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1856	1882.5	1912			
10	QPSK	1	1	22.95	23.21	23.17	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	22.90	23.17	23.14	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				164800	166300	167800			
Frequency (MHz)				854	831.5	839			
20	PI2 BPSK	1	1	23.38	23.40	23.33			
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.11	23.05			
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0	
20	PI2 BPSK	50	28	23.25	23.31	23.18	24.0	0.0	
20	PI2 BPSK	50	56	23.02	23.15	23.08			
20	PI2 BPSK	100	0	23.17	23.28	23.22	24.0	0.0	
20	QPSK	1	1	23.43	23.49	23.38			
20	QPSK	1	53	23.29	23.40	23.32	24.0	0.0	
20	QPSK	1	104	23.27	23.34	23.22			
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0	
20	QPSK	50	28	23.39	23.43	23.32	24.0	0.0	
20	QPSK	50	56	23.20	23.31	23.28	24.0	0.0	
20	QPSK	100	0	23.31	23.38	23.26			
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0	
20	16QAM	1	1	22.31	22.43	22.30	23.0	1.0	
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	23.33	23.30	23.33	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	23.31	23.29	23.25	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0	



n30 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									
Frequency (MHz)									
2310									
10	PI2 BPSK	1	1	22.91			24.0	0.0	
10	PI2 BPSK	1	26	22.89					
10	PI2 BPSK	1	50	22.82					
10	PI2 BPSK	25	0	22.91			24.0	0.0	
10	PI2 BPSK	25	14	22.92			24.0	0.0	
10	PI2 BPSK	25	27	22.87			24.0	0.0	
10	PI2 BPSK	50	0	22.81					
10	QPSK	1	1	23.03					
10	QPSK	1	26	22.91			24.0	0.0	
10	QPSK	1	50	22.90					
10	QPSK	25	0	22.80			24.0	0.0	
10	QPSK	25	14	22.93			24.0	0.0	
10	QPSK	25	27	22.89			24.0	0.0	
10	QPSK	50	0	22.90					
10	16QAM	1	1	22.86			24.0	0.0	
10	16QAM	1	1	22.17			23.0	1.0	
10	256QAM	1	1	20.17			21.0	3.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2287.5	2310	2332.5	24.0	0.0	
5	QPSK	1	1	22.53	22.90	22.91	24.0	0.0	

n66 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									
Frequency (MHz)									
1730 1745 1760									
40	PI2 BPSK	1	1	23.18	23.29	23.32	24.0	0.0	
40	PI2 BPSK	1	108	23.07	23.36	23.14			
40	PI2 BPSK	1	214	23.29	23.14	23.37			
40	PI2 BPSK	108	0	23.17	23.27	23.23	24.0	0.0	
40	PI2 BPSK	108	54	23.22	23.36	23.40	24.0	0.0	
40	PI2 BPSK	108	108	23.18	23.33	23.13	24.0	0.0	
40	PI2 BPSK	216	0	23.04	23.22	23.21			
40	QPSK	1	1	23.28	23.45	23.40			
40	QPSK	1	108	23.37	23.34	23.27	24.0	0.0	
40	QPSK	1	214	23.28	23.28	23.25			
40	QPSK	108	0	23.16	23.18	23.13	24.0	0.0	
40	QPSK	108	54	23.22	23.38	23.24	24.0	0.0	
40	QPSK	108	108	23.15	23.29	23.16	24.0	0.0	
40	QPSK	216	0	23.21	23.35	23.22			
40	16QAM	1	1	22.70	22.48	22.63	24.0	0.0	
40	16QAM	1	1	21.92	21.37	21.54	23.0	1.0	
40	256QAM	1	1	20.38	20.24	20.44	21.0	3.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	24.0	0.0	
30	QPSK	1	1	23.16	23.39	23.35	24.0	0.0	
Channel									
Frequency (MHz)									
1720 1745 1770									
20	QPSK	1	1	23.13	23.41	23.36	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0	
15	QPSK	1	1	23.22	23.37	23.33	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24.0	0.0	
10	QPSK	1	1	23.22	23.34	23.28	24.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0	
5	QPSK	1	1	23.14	23.38	23.30	24.0	0.0	

n70 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									
Frequency (MHz)									
1702.5									
15	PI2 BPSK	1	1		20.88		22.0	0.0	
15	PI2 BPSK	1	40		20.92				
15	PI2 BPSK	1	77		20.96				
15	PI2 BPSK	36	0		20.74		22.0	0.0	
15	PI2 BPSK	36	22		20.83		22.0	0.0	
15	PI2 BPSK	36	43		20.77		22.0	0.0	
15	PI2 BPSK	75	0		20.81				
15	QPSK	1	1		21.00				
15	QPSK	1	40		20.98		22.0	0.0	
15	QPSK	1	77		20.84				
15	QPSK	36	0		20.79		21.0	1.0	
15	QPSK	36	22		20.92		22.0	0.0	
15	QPSK	36	43		20.87		21.0	1.0	
15	QPSK	75	0		20.78		21.0	1.0	
15	16QAM	1	1		19.65		21.0	1.0	
15	16QAM	1	1		18.01		19.5	2.5	
15	256QAM	1	1		16.67		17.5	4.5	
Channel				349000	349500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	22.0	0.0	
10	QPSK	1	1	20.95	20.91	20.88	22.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	22.0	0.0	
5	QPSK	1	1	20.89	20.96	20.89	22.0	0.0	



n71 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				134900	135100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	23.27	23.32	23.24		
20	PI2 BPSK	1	53	23.19	23.26	23.17	24.0	0.0
20	PI2 BPSK	1	104	23.09	23.22	23.19		
20	PI2 BPSK	50	0	23.16	23.26	23.18	24.0	0.0
20	PI2 BPSK	50	28	23.21	23.29	23.17	24.0	0.0
20	PI2 BPSK	50	56	23.03	23.18	23.14		
20	PI2 BPSK	100	0	23.10	23.22	23.09	24.0	0.0
20	QPSK	1	1	23.27	23.38	23.34		
20	QPSK	1	53	23.17	23.31	23.26	24.0	0.0
20	QPSK	1	104	23.18	23.29	23.23		
20	QPSK	50	0	23.11	23.23	23.11	24.0	0.0
20	QPSK	50	28	23.20	23.33	23.21	24.0	0.0
20	QPSK	50	56	23.13	23.23	23.11	24.0	0.0
20	QPSK	100	0	23.14	23.26	23.14		
20	16QAM	1	1	22.76	22.86	22.84	24.0	0.0
20	64QAM	1	1	22.10	22.19	22.12	23.0	1.0
20	256QAM	1	1	20.83	20.87	20.49	21.0	3.0
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.15	23.35	23.28	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.12	23.33	23.28	24.0	0.0
Channel				131500	133500	135500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.10	23.27	23.21	24.0	0.0



n38 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				516004	516000	516996		
Frequency (MHz)				2500.02	2505	2509.98		
40	PI2 BPSK	1	1	21.86	21.97	21.85		
40	PI2 BPSK	1	53	21.78	21.89	21.74	23.0	0.0
40	PI2 BPSK	1	104	21.73	21.88	21.69		
40	PI2 BPSK	80	0	21.81	21.89	21.71	23.0	0.0
40	PI2 BPSK	50	28	21.92	21.96	21.83	23.0	0.0
40	PI2 BPSK	50	56	21.64	21.81	21.68		
40	PI2 BPSK	100	0	21.69	21.82	21.78	23.0	0.0
40	QPSK	1	1	21.94	22.07	21.96		
40	QPSK	1	53	21.86	22.01	21.86	23.0	0.0
40	QPSK	1	104	21.85	21.91	21.79		
40	QPSK	50	0	21.71	21.90	21.85	23.0	0.0
40	QPSK	50	28	21.87	21.99	21.80	23.0	0.0
40	QPSK	90	56	21.70	21.84	21.77	23.0	0.0
40	QPSK	100	0	21.78	21.83	21.73	23.0	0.0
40	16QAM	1	1	21.27	21.25	21.18	23.0	0.0
40	64QAM	1	1	20.44	20.50	20.42	21.5	1.5
40	256QAM	1	1	18.76	18.77	18.63	18.5	3.5
Channel				517002	516990	520998		
Frequency (MHz)				2585.01	2585	2604.99		
30	QPSK	1	1	21.86	22.04	21.89	23.0	0.0
Channel				516504	516000	521496		
Frequency (MHz)				2682.83	2685	2687.83		
25	QPSK	1	1	21.87	22.03	21.93	23.0	0.0
Channel				516000	516000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	21.92	22.04	21.85	23.0	0.0
Channel				515502	516000	522498		
Frequency (MHz)				2577.51	2585	2612.49		
15	QPSK	1	1	21.89	22.05	21.94	23.0	0.0
Channel				515004	516000	522996		
Frequency (MHz)				2575.02	2585	2614.98		
10	QPSK	1	1	21.87	22.05	21.88	23.0	0.0

n41 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				526002	518598	528000		
Frequency (MHz)				2540.01	2552.99	2540		
100	PI2 BPSK	1	1	21.90	22.02	21.84		
100	PI2 BPSK	1	137	21.82	21.96	21.89	23.0	0.0
100	PI2 BPSK	1	271	21.79	21.89	21.81		
100	PI2 BPSK	135	0	21.34	21.44	21.30	22.5	0.5
100	PI2 BPSK	135	69	21.98	22.04	21.92	23.0	0.0
100	PI2 BPSK	135	138	21.34	21.41	21.35	22.5	0.5
100	PI2 BPSK	270	0	21.35	21.49	21.41		
100	QPSK	1	1	21.95	22.08	21.97		
100	QPSK	1	137	21.86	21.93	21.80	23.0	0.0
100	QPSK	1	271	21.87	21.95	21.89		
100	QPSK	135	0	20.91	21.01	20.90	22.0	1.0
100	QPSK	135	69	21.95	21.99	21.85	23.0	0.0
100	QPSK	135	138	20.88	21.01	20.83	22.0	1.0
100	QPSK	270	0	20.80	20.94	20.81		
100	16QAM	1	1	20.97	21.03	20.89	22.0	1.0
100	64QAM	1	1	19.02	19.16	19.03	20.5	2.5
100	256QAM	1	1	17.45	17.53	17.43	18.5	4.5
Channel				515500	518598	529596		
Frequency (MHz)				2541	2552.99	2644.98		
90	QPSK	1	1	21.90	21.97	21.89	23.0	0.0
Channel				507204	518598	529596		
Frequency (MHz)				2638.93	2652.99	2648.99		
80	QPSK	1	1	21.88	21.96	21.86	23.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2631.01	2652.99	2665		
70	QPSK	1	1	21.83	22.03	21.80	23.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2626	2652.99	2659.98		
60	QPSK	1	1	21.92	21.96	21.85	23.0	0.0
Channel				504204	518598	532996		
Frequency (MHz)				2621.92	2652.99	2664.99		
50	QPSK	1	1	21.84	22.02	21.82	23.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2616.91	2652.99	2640		
40	QPSK	1	1	21.85	22.04	21.92	23.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.85	22.00	21.83	23.0	0.0
Channel				501204	518598	535996		
Frequency (MHz)				2506.92	2592.99	2678.99		
20	QPSK	1	1	21.83	21.98	21.80	23.0	0.0



n41 PC2 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	24.84	24.92	24.77		
100	PI2 BPSK	1	137	24.76	24.86	24.74	26.0	0.0
100	PI2 BPSK	1	271	24.73	24.81	24.70		
100	PI2 BPSK	135	0	24.69	24.77	24.73	26.0	0.0
100	PI2 BPSK	135	69	24.78	24.88	24.73	26.0	0.0
100	PI2 BPSK	135	138	24.60	24.75	24.63	26.0	0.0
100	PI2 BPSK	270	0	24.73	24.79	24.76		
100	QPSK	1	1	24.88	24.96	24.84		
100	QPSK	1	137	24.83	24.91	24.77	26.0	0.0
100	QPSK	1	271	24.70	24.83	24.73		
100	QPSK	135	0	24.30	24.40	24.37	25.5	0.5
100	QPSK	135	69	24.80	24.90	24.77	26.0	0.0
100	QPSK	135	138	24.32	24.38	24.27	25.5	0.5
100	QPSK	270	0	24.28	24.47	24.31		
100	16QAM	1	1	24.24	24.30	24.24	25.5	0.5
100	64QAM	1	1	22.57	22.62	22.52	24.0	2.0
100	256QAM	1	1	20.16	20.30	20.15	22.0	4.0
Channel				510200	519598	529000		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.85	24.87	24.80	26.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2649.99		
80	QPSK	1	1	24.76	24.84	24.71	26.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2695		
70	QPSK	1	1	24.76	24.90	24.77	26.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2458	2592.99	2699.98		
60	QPSK	1	1	24.83	24.82	24.76	26.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2694.99		
50	QPSK	1	1	24.79	24.88	24.80	26.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2416.01	2592.99	2690		
40	QPSK	1	1	24.74	24.89	24.72	26.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2311	2592.99	2674.98		
30	QPSK	1	1	24.83	24.81	24.76	26.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2606.02	2592.99	2679.99		
20	QPSK	1	1	24.84	24.88	24.78	26.0	0.0

n48 Part96 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				638000	641666	645332		
Frequency (MHz)				3370	3624.99	3679.98		
40	PI2 BPSK	1	1	20.87	21.01	20.98		
40	PI2 BPSK	1	53	20.85	20.99	20.89	22.0	0.0
40	PI2 BPSK	1	104	20.91	20.95	20.91		
40	PI2 BPSK	50	0	20.30	20.40	20.34	21.5	0.5
40	PI2 BPSK	50	26	20.84	20.97	20.82	22.0	0.0
40	PI2 BPSK	50	56	20.34	20.39	20.34	21.5	0.5
40	PI2 BPSK	100	0	20.38	20.43	20.30		
40	QPSK	1	1	20.99	21.09	20.94		
40	QPSK	1	53	20.95	21.03	20.97	22.0	0.0
40	QPSK	1	104	20.92	20.96	20.93		
40	QPSK	50	0	20.02	20.13	19.98	21.0	1.0
40	QPSK	50	28	20.94	21.05	20.88	22.0	0.0
40	QPSK	90	56	19.88	20.04	19.82	21.0	1.0
40	QPSK	100	0	19.94	20.07	20.03		
40	16QAM	1	1	19.90	19.98	19.81	21.0	1.0
40	64QAM	1	1	18.57	18.78	18.64	19.5	2.5
40	256QAM	1	1	16.82	16.82	16.67	17.5	4.5
Channel				637000	641666	646000		
Frequency (MHz)				3665.02	3694.99	3684.99		
30	QPSK	1	1	20.87	21.03	20.83	22.0	0.0
Channel				637204	641666	646000		
Frequency (MHz)				3662.01	3624.99	3690		
20	QPSK	1	1	20.90	20.94	20.79	22.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3556	3624.99	3694.98		
10	QPSK	1	1	20.90	20.89	20.89	22.0	0.0



Part270 n77 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									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.81	22.84	22.81			
100	PI2 BPSK	1	137	22.94	23.02	22.97	24.0	0.0	
100	PI2 BPSK	1	271	22.77	22.89	22.77			
100	PI2 BPSK	135	0	22.74	22.80	22.74	24.0	0.0	
100	PI2 BPSK	135	69	22.96	22.97	22.93	24.0	0.0	
100	PI2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0	
100	PI2 BPSK	270	0	22.82	22.82	22.81			
100	QPSK	1	1	22.88	23.06	23.04			
100	QPSK	1	137	22.86	22.96	22.83	24.0	0.0	
100	QPSK	1	271	22.87	22.99	22.88			
100	QPSK	135	0	22.94	23.02	22.90	24.0	0.0	
100	QPSK	135	69	22.92	23.03	22.90	24.0	0.0	
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0	
100	QPSK	270	0	22.84	22.80	22.77			
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0	
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0	
100	256QAM	1	1	20.10	20.24	20.10	21.0	3.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.82	22.86	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.73	22.89	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.81	22.98	22.99	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.74	22.90	22.90	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.71	22.89	22.83	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.74	23.00	22.87	24.0	0.0	

Part270 n77 PC2 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									
Frequency (MHz)									
100	PI2 BPSK	1	1	25.68	25.82	25.60			
100	PI2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0	
100	PI2 BPSK	1	271	25.88	26.07	26.03			
100	PI2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0	
100	PI2 BPSK	135	69	25.88	26.02	25.88	27.0	0.0	
100	PI2 BPSK	135	138	25.82	26.06	25.90	27.0	0.0	
100	PI2 BPSK	270	0	25.70	25.91	25.87			
100	QPSK	1	1	25.80	26.13	26.08			
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0	
100	QPSK	1	271	25.83	26.03	25.87			
100	QPSK	135	0	25.64	25.82	25.76	27.0	0.0	
100	QPSK	135	69	25.90	26.10	26.00	27.0	0.0	
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0	
100	QPSK	270	0	25.77	25.97	25.81			
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0	
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5	
100	256QAM	1	1	23.10	23.40	23.20	24.5	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.60	25.87	25.87	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.68	26.00	25.87	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.70	26.00	25.95	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.77	25.98	26.04	27.0	0.0	



Part27Q n77 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									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.24	23.32	23.36			
100	PI2 BPSK	1	137	23.28	23.32	23.36	24.0	0.0	
100	PI2 BPSK	1	271	23.28	23.32	23.36			
100	PI2 BPSK	135	0	23.22	23.28	23.32	24.0	0.0	
100	PI2 BPSK	135	69	23.28	23.32	23.36	24.0	0.0	
100	PI2 BPSK	135	138	23.28	23.32	23.36	24.0	0.0	
100	PI2 BPSK	270	0	23.20	23.28	23.36			
100	QPSK	1	1	23.36	23.40	23.44			
100	QPSK	1	137	23.28	23.32	23.36	24.0	0.0	
100	QPSK	1	271	23.28	23.32	23.36			
100	QPSK	135	0	23.24	23.28	23.32	24.0	0.0	
100	QPSK	135	69	23.28	23.32	23.36	24.0	0.0	
100	QPSK	135	138	23.24	23.28	23.32	24.0	0.0	
100	QPSK	270	0	23.20	23.28	23.36			
100	16QAM	1	1	23.21	23.25	23.29	24.0	0.0	
100	64QAM	1	1	23.32	23.36	23.40	23.0	1.0	
100	256QAM	1	1	23.40	23.44	23.48	21.0	3.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63334	63368			
90	QPSK	1	1	3485	3500.01	3505.02			
Channel									
Frequency (MHz)									
80	QPSK	1	1	63298	63334	63400			
80	QPSK	1	1	3485.01	3500.01	3515.01			
Channel									
Frequency (MHz)									
70	QPSK	1	1	63200	63334	63468			
70	QPSK	1	1	3480.02	3500.01	3520			
Channel									
Frequency (MHz)									
60	QPSK	1	1	63234	63334	63434			
60	QPSK	1	1	3485.01	3500.01	3515.01			
Channel									
Frequency (MHz)									
50	QPSK	1	1	63108	63334	63500			
50	QPSK	1	1	3475.02	3500.01	3525			
Channel									
Frequency (MHz)									
40	QPSK	1	1	63100	63334	63568			
40	QPSK	1	1	3485	3500.01	3535.02			
Channel									
Frequency (MHz)									
30	QPSK	1	1	63050	63334	63618			
30	QPSK	1	1	3477.5	3500.01	3542.52			
Channel									
Frequency (MHz)									
20	QPSK	1	1	63034	63334	63634			
20	QPSK	1	1	3480.01	3500.01	3540.01			
Channel									
Frequency (MHz)									
15	QPSK	1	1	63034	63334	63634			
15	QPSK	1	1	3480.01	3500.01	3540.01			
Channel									
Frequency (MHz)									
10	QPSK	1	1	63034	63334	63634			
10	QPSK	1	1	3480.01	3500.01	3540.01			

Part27Q n77 PC2 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									
Frequency (MHz)									
100	PI2 BPSK	1	1	28.30	28.38	28.42			
100	PI2 BPSK	1	137	28.30	28.38	28.42	27.0	0.0	
100	PI2 BPSK	1	271	28.30	28.38	28.42			
100	PI2 BPSK	135	0	28.33	28.39	28.45	27.0	0.0	
100	PI2 BPSK	135	69	28.29	28.35	28.41	27.0	0.0	
100	PI2 BPSK	135	138	28.30	28.36	28.42	27.0	0.0	
100	PI2 BPSK	270	0	28.30	28.38	28.46			
100	QPSK	1	1	28.46	28.50	28.54			
100	QPSK	1	137	28.30	28.38	28.42	27.0	0.0	
100	QPSK	1	271	28.31	28.35	28.39			
100	QPSK	135	0	28.29	28.35	28.41	27.0	0.0	
100	QPSK	135	69	28.35	28.41	28.47	27.0	0.0	
100	QPSK	135	138	28.28	28.34	28.40	27.0	0.0	
100	QPSK	270	0	28.40	28.46	28.52			
100	16QAM	1	1	28.29	28.35	28.41	27.0	0.0	
100	64QAM	1	1	28.08	28.14	28.20	26.5	0.5	
100	256QAM	1	1	28.11	28.17	28.23	24.5	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63334	63368			
90	QPSK	1	1	28.30	28.34	28.43	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63298	63334	63400			
80	QPSK	1	1	28.38	28.40	28.29	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63200	63334	63468			
70	QPSK	1	1	28.30	28.31	28.34	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63234	63334	63434			
60	QPSK	1	1	28.36	28.31	28.34	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63108	63334	63500			
50	QPSK	1	1	28.38	28.33	28.37	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63100	63334	63568			
40	QPSK	1	1	28.42	28.30	28.32	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63050	63334	63618			
30	QPSK	1	1	28.32	28.33	28.43	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63034	63334	63634			
20	QPSK	1	1	28.36	28.38	28.41	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63034	63334	63634			
15	QPSK	1	1	28.42	28.33	28.37	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63034	63334	63634			
10	QPSK	1	1	28.35	28.31	28.34	27.0	0.0	



Part270 n78 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									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.85				
100	PI2 BPSK	1	137		22.80		24.0	0.0	
100	PI2 BPSK	1	271		22.74				
100	PI2 BPSK	135	0		22.85		24.0	0.0	
100	PI2 BPSK	135	69		22.73		24.0	0.0	
100	PI2 BPSK	135	138		22.84		24.0	0.0	
100	PI2 BPSK	270	0		22.75		24.0	0.0	
100	QPSK	1	1		22.89				
100	QPSK	1	137		22.81		24.0	0.0	
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.75		23.5	0.5	
100	QPSK	135	69		22.83		24.0	0.0	
100	QPSK	135	138		22.75		23.5	0.5	
100	QPSK	270	0		22.85		23.5	0.5	
100	16QAM	1	1		22.25		22.0	2.0	
100	64QAM	1	1		20.83		22.0	2.0	
100	256QAM	1	1		19.01		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.71	22.84	22.79	24.0	0.0
Channel									
Frequency (MHz)				64834	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.81	22.73	22.89	24.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.53	22.79	22.66	24.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.73	22.80	22.80	24.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.78	22.75	22.73	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.78	22.85	22.87	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3715.02	3750	3785.01	24.0	0.0
Channel									
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3710.01	3750	3790.02	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		3705	3750	3795	24.0	0.0
Channel									
Frequency (MHz)				3274	3288	3272	24.0	0.0	

Part270 n78 PC2 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									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.83				
100	PI2 BPSK	1	137		25.82		27.0	0.0	
100	PI2 BPSK	1	271		25.85				
100	PI2 BPSK	135	0		25.90		27.0	0.0	
100	PI2 BPSK	135	69		25.96		27.0	0.0	
100	PI2 BPSK	135	138		25.91		27.0	0.0	
100	PI2 BPSK	270	0		25.87		27.0	0.0	
100	QPSK	1	1		25.97				
100	QPSK	1	137		25.90		27.0	0.0	
100	QPSK	1	271		25.94				
100	QPSK	135	0		25.83		27.0	0.0	
100	QPSK	135	69		25.93		27.0	0.0	
100	QPSK	135	138		25.84		27.0	0.0	
100	QPSK	270	0		25.94		27.0	0.0	
100	16QAM	1	1		25.58		25.5	1.5	
100	64QAM	1	1		24.18		25.5	1.5	
100	256QAM	1	1		22.28		25.5	3.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.83	25.83	25.83	27.0	0.0
Channel									
Frequency (MHz)				64834	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.83	25.79	27.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.81	25.85	25.81	27.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.91	25.85	25.83	27.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.91	25.94	25.83	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.78	25.83	25.81	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3715.02	3750	3785.01	27.0	0.0
Channel									
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3710.01	3750	3790.02	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		3705	3750	3795	27.0	0.0
Channel									
Frequency (MHz)				3280	3291	3277	27.0	0.0	

Part27Q n78 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									
Frequency (MHz)					350.01				
100	PI2 BPSK	1	1		23.22				
100	PI2 BPSK	1	137		23.18		24.0	0.0	
100	PI2 BPSK	1	271		23.29				
100	PI2 BPSK	135	0		23.22		24.0	0.0	
100	PI2 BPSK	135	69		23.30		24.0	0.0	
100	PI2 BPSK	135	138		23.29		24.0	0.0	
100	PI2 BPSK	270	0		23.17		24.0	0.0	
100	QPSK	1	1		23.32				
100	QPSK	1	137		23.21		24.0	0.0	
100	QPSK	1	271		23.17				
100	QPSK	135	0		23.18		23.5	0.5	
100	QPSK	135	69		23.23		24.0	0.0	
100	QPSK	135	138		23.17		23.5	0.5	
100	QPSK	270	0		23.26		22.0	2.0	
100	16QAM	1	1		23.13		22.0	2.0	
100	64QAM	1	1		21.58		22.0	4.0	
100	256QAM	1	1		19.48		22.0	4.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.17	23.23	23.18	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.15	23.24	23.21	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.22	23.29	23.14	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.09	23.22	23.19	24.0	0.0
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.10	23.20	23.19	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.22	23.20	23.17	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3465	3500.01	3535.02	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3460.02	3500.01	3540	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		3453	3526	3520	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.14	23.15	23.25	24.0	0.0



Part27Q n78 PC2 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								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		26.24			
100	PI2 BPSK	1	271		26.33		27.0	0.0
100	PI2 BPSK	135	0		26.28			
100	PI2 BPSK	135	69		26.22		27.0	0.0
100	PI2 BPSK	135	138		26.32		27.0	0.0
100	PI2 BPSK	270	0		26.27		27.0	0.0
100	PI2 BPSK	270	0		26.25			
100	QPSK	1	1		26.38			
100	QPSK	1	137		26.33		27.0	0.0
100	QPSK	1	271		26.22			
100	QPSK	135	0		26.30		27.0	0.0
100	QPSK	135	69		26.35		27.0	0.0
100	QPSK	135	138		26.32		27.0	0.0
100	QPSK	270	0		26.23			
100	16QAM	1	1		26.16		27.0	0.0
100	64QAM	1	1		25.20		25.5	1.5
100	256QAM	1	1		23.16		23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				26.16	26.26	26.22	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
				26.24	26.24	26.24	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				26.22	26.29	26.23	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				26.20	26.26	26.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631800	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				26.26	26.29	26.26	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
				26.18	26.23	26.26	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
				26.24	26.34	26.30	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				26.22	26.27	26.20	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636300	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
				26.18	26.35	26.28	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
				26.25	26.32	26.27	27.0	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									
				370000	376000	380000			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.58	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.40	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.50	19.21	19.29	22.0	3.0	
Channel									
				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
				370000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.32	21.40	21.24	23.0	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									
				166800	167300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.80	21.86	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.36	22.0	1.0	
Channel									
				162000	162300	162300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 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									
				506000	507000	510000			
Frequency (MHz)									
40	PI2 BPSK	1	1	22.18	22.23	22.14			
40	PI2 BPSK	1	108	22.07	22.14	22.00	23.0	0.0	
40	PI2 BPSK	1	214	22.06	22.11	21.99			
40	PI2 BPSK	108	0	22.03	22.17	22.10	23.0	0.0	
40	PI2 BPSK	108	54	22.09	22.21	22.13	23.0	0.0	
40	PI2 BPSK	108	108	22.08	22.16	22.04	23.0	0.0	
40	PI2 BPSK	216	0	22.14	22.20	22.16			
40	QPSK	1	1	22.13	22.26	22.21			
40	QPSK	1	108	22.08	22.20	22.17	23.0	0.0	
40	QPSK	1	214	22.11	22.14	22.09			
40	QPSK	108	0	21.97	22.10	21.97	23.0	0.0	
40	QPSK	108	54	22.14	22.17	22.07	23.0	0.0	
40	QPSK	108	108	21.93	22.02	21.94	23.0	0.0	
40	QPSK	216	0	21.94	22.05	22.04			
40	16QAM	1	1	21.69	21.83	21.76	22.0	1.0	
40	64QAM	1	1	21.05	21.09	20.96	22.0	1.0	
40	256QAM	1	1	19.53	19.63	19.36	22.0	3.0	
Channel									
				503000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	22.15	22.15	22.11	23.0	0.0	
Channel									
				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	22.11	22.20	22.14	23.0	0.0	
Channel									
				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	PI2 BPSK	1	1	22.10	22.13	22.03	23.0	0.0	
Channel									
				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.07	22.18	22.10	23.0	0.0	
Channel									
				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.11	22.21	22.11	23.0	0.0	
Channel									
				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.13	22.22	22.15	23.0	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									
				141300	141600	141700			
Frequency (MHz)									
15	PI2 BPSK	1	1	21.52	21.56	21.76			
15	PI2 BPSK	1	49	21.64	21.71	21.86	23.0	0.0	
15	PI2 BPSK	1	77	21.49	21.59	21.46			
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0	0.0	
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0	0.0	
15	PI2 BPSK	36	43	21.64	21.69	21.66	23.0	0.0	
15	PI2 BPSK	75	0	21.71	21.79	21.70			
15	QPSK	1	1	21.87	21.95	21.82			
15	QPSK	1	49	21.76	21.83	21.74	23.0	0.0	
15	QPSK	1	77	21.70	21.79	21.97			
15	QPSK	36	0	21.64	21.73	21.60	23.0	0.0	
15	QPSK	36	22	21.83	21.86	21.79	23.0	0.0	
15	QPSK	36	43	21.62	21.73	21.64	23.0	0.0	
15	QPSK	75	0	21.72	21.76	21.74			
15	16QAM	1	1	21.53	21.63	21.52	23.0	0.0	
15	64QAM	1	1	20.83	20.93	20.89	22.0	1.0	
15	256QAM	1	1	19.33	19.41	19.29	23.0	3.0	
Channel									
				142000	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	794	797.5	711	23.0	0.0	
Channel									
				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0	

n13 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									
				156400	156400				
Frequency (MHz)									
10	PI2 BPSK	1	1	21.84					
10	PI2 BPSK	1	26	21.79			23.0	0.0	
10	PI2 BPSK	1	50	21.72					
10	PI2 BPSK	25	0	20.93			22.5	0.5	
10	PI2 BPSK	25	14	21.86			23.0	0.0	
10	PI2 BPSK	25	27	21.76			22.5	0.5	
10	PI2 BPSK	50	0	21.81					
10	QPSK	1	1	21.94					
10	QPSK	1	26	21.87			23.0	0.0	
10	QPSK	1	50	21.83					
10	QPSK	25	0	20.89			22.0	1.0	
10	QPSK	25	14	21.89			23.0	0.0	
10	QPSK	25	27	21.13			22.0	1.0	
10	QPSK	50	0	21.16					
10	16QAM	1	1	20.71			22.0	1.0	
10	64QAM	1	1	19.53			20.5	2.5	
10	256QAM	1	1	18.22			18.5	4.5	
Channel									
				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	779.5	782	784.5	23.0	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									
				158600	158600				
Frequency (MHz)									
10	PI2 BPSK	1	1	21.98					
10	PI2 BPSK	1	26	21.90			23.0	0.0	
10	PI2 BPSK	1	50	21.86					
10	PI2 BPSK	25	0	21.89			23.0	0.0	
10	PI2 BPSK	25	14	21.95			23.0	0.0	
10	PI2 BPSK	25	27	21.86			23.0	0.0	
10	PI2 BPSK	50	0	21.93					
10	QPSK	1	1	22.04					
10	QPSK	1	26	22.01			23.0	0.0	
10	QPSK	1	50	21.96					
10	QPSK	25	0	21.94			23.0	0.0	
10	QPSK	25	14	21.99			23.0	0.0	
10	QPSK	25	27	21.87			23.0	0.0	
10	QPSK	50	0	21.94					
10	16QAM	1	1	21.88			23.0	0.0	
10	64QAM	1	1	20.85			22.0	1.0	
10	256QAM	1	1	19.09			20.0	3.0	
Channel									
				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	790.5	793	795.5	23.0	0.0	



n25 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	21.59	21.43	21.33	23.0	0.0	
40	PI2 BPSK	1	108	21.32	21.37	21.22			
40	PI2 BPSK	1	214	21.34	21.40	21.28			
40	PI2 BPSK	108	0	21.35	21.39	21.32	23.0	0.0	
40	PI2 BPSK	108	54	21.35	21.45	21.38	23.0	0.0	
40	PI2 BPSK	108	108	21.31	21.34	21.27	23.0	0.0	
40	PI2 BPSK	216	0	21.28	21.38	21.26	23.0	0.0	
40	QPSK	1	1	21.49	21.52	21.45			
40	QPSK	1	108	21.37	21.48	21.40	23.0	0.0	
40	QPSK	1	214	21.30	21.42	21.34			
40	QPSK	108	0	21.32	21.36	21.29	23.0	0.0	
40	QPSK	108	54	21.42	21.49	21.38	23.0	0.0	
40	QPSK	108	108	21.38	21.41	21.37	23.0	0.0	
40	QPSK	216	0	21.36	21.44	21.33	23.0	0.0	
40	16QAM	1	1	21.33	21.37	21.28	23.0	0.0	
40	64QAM	1	1	20.32	20.42	20.37	22.0	1.0	
40	256QAM	1	1	19.07	19.13	19.06	22.0	3.0	
Channel				372000	374500	377000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1892.5	1900			
30	QPSK	1	1	21.42	21.47	21.35	23.0	0.0	
Channel				372000	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1892.5	1902.5			
25	QPSK	1	1	21.35	21.41	21.38	23.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1900	1912.5	1920			
20	QPSK	1	1	21.59	21.43	21.33	23.0	0.0	
Channel				371500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1892.5	1907.5			
15	QPSK	1	1	21.54	21.46	21.34	23.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1892.5	1910			
10	QPSK	1	1	21.45	21.49	21.36	23.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1892.5	1892.5			
5	QPSK	1	1	21.38	21.43	21.38	23.0	0.0	

n26 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.			
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.07	22.11	22.02			
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0	
20	PI2 BPSK	1	104	21.85	21.91	21.80			
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0	0.0	
20	PI2 BPSK	50	28	21.94	22.06	21.94	23.0	0.0	
20	PI2 BPSK	50	56	21.83	21.91	21.81	23.0	0.0	
20	PI2 BPSK	100	0	21.92	22.01	21.95	23.0	0.0	
20	QPSK	1	1	22.03	22.15	22.04			
20	QPSK	1	53	21.89	22.10	22.07	23.0	0.0	
20	QPSK	1	104	21.91	22.05	21.94			
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0	
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0	
20	QPSK	50	56	21.92	21.99	21.83	23.0	0.0	
20	QPSK	100	0	22.02	22.08	21.94	23.0	0.0	
20	16QAM	1	1	21.64	21.75	21.68	22.0	0.0	
20	64QAM	1	1	20.86	21.11	21.08	22.0	1.0	
20	256QAM	1	1	19.52	19.41	19.29	22.0	3.0	
Channel				163300	163300	163300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0	
Channel				163300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				817.5	831.5	845.5			
5	QPSK	1	1	21.95	22.00	21.91	23.0	0.0	



n30 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					2310				
Frequency (MHz)									
10	PI2 BPSK	1	1	2173					
10	PI2 BPSK	1	26	2179			23.0	0.0	
10	PI2 BPSK	1	50	2173					
10	PI2 BPSK	25	0	2169			23.0	0.0	
10	PI2 BPSK	25	14	2169			23.0	0.0	
10	PI2 BPSK	25	27	2168			23.0	0.0	
10	PI2 BPSK	50	0	2165					
10	QPSK	1	1	2185					
10	QPSK	1	26	2181			23.0	0.0	
10	QPSK	1	50	2174					
10	QPSK	25	0	2171			23.0	0.0	
10	QPSK	25	14	2181			23.0	0.0	
10	QPSK	25	27	2167			23.0	0.0	
10	QPSK	50	0	2172			23.0	0.0	
10	16QAM	1	1	2169			23.0	0.0	
10	64QAM	1	1	2073			22.0	1.0	
10	256QAM	1	1	1837			22.0	1.0	
Channel				46190	46200	46250	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	2179	2178	2179	23.0	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	352000		
Frequency (MHz)									
40	PI2 BPSK	1	1	2167	2173	2181			
40	PI2 BPSK	1	108	2149	2181	2155	23.0	0.0	
40	PI2 BPSK	1	214	2158	2183	2180			
40	PI2 BPSK	108	0	2150	2159	2148	23.0	0.0	
40	PI2 BPSK	108	54	2185	2170	2156	23.0	0.0	
40	PI2 BPSK	108	108	2150	2158	2152	23.0	0.0	
40	PI2 BPSK	216	0	2159	2164	2152			
40	QPSK	1	1	2167	2179	2174			
40	QPSK	1	108	2182	2172	2183	23.0	0.0	
40	QPSK	1	214	2157	2187	2154			
40	QPSK	108	0	2157	2182	2157	23.0	0.0	
40	QPSK	108	54	2182	2174	2180	23.0	0.0	
40	QPSK	108	108	2180	2188	2155	23.0	0.0	
40	QPSK	216	0	2167	2171	2184			
40	16QAM	1	1	2152	2183	2152	23.0	0.0	
40	64QAM	1	1	2082	2097	2093	22.0	1.0	
40	256QAM	1	1	1932	1977	1988	23.0	1.0	
Channel				352000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	2184	2170	2180	23.0	0.0	
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1723	1745	1723			
15	QPSK	1	1	2184	2175	2184	23.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	2180	2173	2182	23.0	0.0	
Channel				352500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	2152	2171	2188	23.0	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					1702.5				
Frequency (MHz)									
15	PI2 BPSK	1	1	2150					
15	PI2 BPSK	1	40	2187			23.0	0.0	
15	PI2 BPSK	1	77	2182					
15	PI2 BPSK	36	0	2134			22.5	0.5	
15	PI2 BPSK	36	22	2186			23.0	0.0	
15	PI2 BPSK	36	43	2126			22.5	0.5	
15	PI2 BPSK	75	0	2132					
15	QPSK	1	1	2195					
15	QPSK	1	40	2183			23.0	0.0	
15	QPSK	1	77	2186					
15	QPSK	36	0	2135			22.0	1.0	
15	QPSK	36	22	2188			23.0	0.0	
15	QPSK	36	43	2140			22.0	1.0	
15	QPSK	75	0	2132					
15	16QAM	1	1	2134			22.0	1.0	
15	64QAM	1	1	1988			20.5	2.5	
15	256QAM	1	1	1752			18.5	4.5	
Channel				345000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	2184	2192	2181	23.0	0.0	
Channel				335000	345000	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	2181	2188	2183	23.0	0.0	



n71 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.07	22.18	22.14		
20	PI2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI2 BPSK	1	104	21.91	22.08	21.99		
20	PI2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI2 BPSK	50	58	22.03	22.07	21.98		
20	PI2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.18	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	58	21.91	22.06	21.98		
20	QPSK	100	0	22.03	22.13	21.95	23.0	0.0
20	16QAM	1	1	21.98	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.98	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.43	19.42	20.0	3.0
Channel				134500	136000	137500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	688		
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	136100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	690.5		
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				516004	516000	516996			
40	PI2 BPSK	1	1	2244	2246	2237			
40	PI2 BPSK	1	53	2227	2240	2238	23.0	0.0	
40	PI2 BPSK	1	104	2220	2229	2218			
40	PI2 BPSK	50	0	2239	2249	2237	23.0	0.0	
40	PI2 BPSK	50	28	2237	2244	2229	23.0	0.0	
40	PI2 BPSK	50	56	2228	2243	2232	23.0	0.0	
40	PI2 BPSK	100	0	2235	2238	2239			
40	QPSK	1	1	2245	2260	2252			
40	QPSK	1	53	2238	2248	2239	23.0	0.0	
40	QPSK	1	104	2248	2252	2244			
40	QPSK	50	0	2234	2247	2245	23.0	0.0	
40	QPSK	50	28	2244	2253	2242	23.0	0.0	
40	QPSK	50	56	2231	2237	2222	23.0	0.0	
40	QPSK	100	0	2235	2240	2237			
40	16QAM	1	1	2228	2240	2233	23.0	0.0	
40	64QAM	1	1	2083	2087	2089	21.5	1.5	
40	256QAM	1	1	1911	1925	1910	18.5	3.5	
Channel									
Frequency (MHz)				2565.01	2595	2604.99			
25	QPSK	1	1	2238	2255	2245	0.0	0.0	
Channel									
Frequency (MHz)				516004	516000	521496			
25	QPSK	1	1	2237	2253	2247	23.0	0.0	
Channel									
Frequency (MHz)				516000	516000	520000			
20	QPSK	1	1	2242	2253	2244	23.0	0.0	
Channel									
Frequency (MHz)				515502	516000	523498			
15	QPSK	1	1	2239	2256	2249	23.0	0.0	
Channel									
Frequency (MHz)				515005	516000	525995			
10	QPSK	1	1	2238	2254	2245	23.0	0.0	

n41 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506202	506202	526000			
100	PI2 BPSK	1	1	2152	2204	2197			
100	PI2 BPSK	1	137	2190	2198	2188	23.0	0.0	
100	PI2 BPSK	1	271	2186	2195	2189			
100	PI2 BPSK	135	0	2142	2145	2138	22.5	0.5	
100	PI2 BPSK	135	69	2153	2202	2188	23.0	0.0	
100	PI2 BPSK	135	138	2137	2149	2141	22.5	0.5	
100	PI2 BPSK	270	0	2131	2140	2136			
100	QPSK	1	1	2198	2207	2203			
100	QPSK	1	137	2185	2201	2187	23.0	0.0	
100	QPSK	1	271	2184	2192	2187			
100	QPSK	135	0	2001	2106	2090	22.0	1.0	
100	QPSK	135	69	2184	2202	2199	23.0	0.0	
100	QPSK	135	138	2086	2089	2078	22.0	1.0	
100	QPSK	270	0	2076	2095	2087			
100	16QAM	1	1	2081	2096	2080	22.0	1.0	
100	64QAM	1	1	1919	1932	1928	20.5	2.5	
100	256QAM	1	1	1748	1756	1741	18.5	4.5	
Channel									
Frequency (MHz)				506202	506202	526000			
80	QPSK	1	1	2193	2204	2199	23.0	0.0	
Channel									
Frequency (MHz)				507204	516998	529998			
80	QPSK	1	1	2195	2195	2190	23.0	0.0	
Channel									
Frequency (MHz)				506202	516998	531000			
70	QPSK	1	1	2189	2200	2190	23.0	0.0	
Channel									
Frequency (MHz)				505200	516998	531998			
60	QPSK	1	1	2188	2200	2193	23.0	0.0	
Channel									
Frequency (MHz)				505202	516998	532998			
50	QPSK	1	1	2188	2198	2198	23.0	0.0	
Channel									
Frequency (MHz)				503202	516998	534000			
40	QPSK	1	1	2192	2197	2189	23.0	0.0	
Channel									
Frequency (MHz)				502200	516998	534998			
30	QPSK	1	1	2185	2201	2192	23.0	0.0	
Channel									
Frequency (MHz)				501204	516998	535998			
20	QPSK	1	1	2187	2192	2192	23.0	0.0	



n41 PC2 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				506202	518598	526900		
Frequency (MHz)				2544.01	2592.99	2640		
100	PI2 BPSK	1	1	25.17	25.21	25.09		
100	PI2 BPSK	1	137	25.07	25.17	25.04	26.0	0.0
100	PI2 BPSK	1	271	25.00	25.11	25.02		
100	PI2 BPSK	135	0	24.90	25.02	24.95	26.0	0.0
100	PI2 BPSK	135	69	25.03	25.14	25.08	26.0	0.0
100	PI2 BPSK	135	138	24.97	25.07	24.95	26.0	0.0
100	PI2 BPSK	270	0	25.03	25.11	25.00		
100	QPSK	1	1	25.25	25.28	25.16		
100	QPSK	1	137	25.16	25.20	25.08	26.0	0.0
100	QPSK	1	271	25.09	25.15	25.07		
100	QPSK	135	0	24.83	24.88	24.81	25.5	0.5
100	QPSK	135	69	25.21	25.23	25.12	26.0	0.0
100	QPSK	135	138	24.80	24.71	24.58	25.5	0.5
100	QPSK	270	0	24.84	24.80	24.59		
100	16QAM	1	1	24.47	24.61	24.50	25.5	0.5
100	64QAM	1	1	22.93	23.04	22.91	24.0	2.0
100	256QAM	1	1	20.92	21.04	20.90	22.0	4.0
Channel				510200	519598	529000		
Frequency (MHz)				2544	2592.99	2644.98		
90	QPSK	1	1	25.14	25.15	25.03	26.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	25.18	25.14	25.05	26.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.21	25.13	25.03	26.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2458	2592.99	2659.98		
60	QPSK	1	1	25.22	25.22	25.02	26.0	0.0
Channel				510204	519598	532000		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.17	25.17	25.10	26.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2416.01	2592.99	2670		
40	QPSK	1	1	25.15	25.25	25.03	26.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.20	25.14	25.01	26.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2606.02	2692.99	2679.99		
20	QPSK	1	1	25.16	25.21	25.01	26.0	0.0

n48 Part96 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				638000	641666	645332		
Frequency (MHz)				3370	3624.99	3679.98		
40	PI2 BPSK	1	1	23.65	23.65	23.63		
40	PI2 BPSK	1	53	23.53	23.62	23.55	24.0	0.0
40	PI2 BPSK	1	104	23.49	23.52	23.45		
40	PI2 BPSK	50	0	23.28	23.35	23.23	23.5	0.5
40	PI2 BPSK	50	26	23.53	23.67	23.56	24.0	0.0
40	PI2 BPSK	50	55	23.14	23.18	23.14	23.5	0.5
40	PI2 BPSK	100	0	23.14	23.22	23.22		
40	QPSK	1	1	23.65	23.73	23.56		
40	QPSK	1	53	23.54	23.62	23.60	24.0	0.0
40	QPSK	1	104	23.41	23.52	23.51		
40	QPSK	50	0	22.85	22.82	22.64	23.0	1.0
40	QPSK	50	28	23.80	23.70	23.47	24.0	0.0
40	QPSK	50	56	22.57	22.69	22.64	23.0	1.0
40	QPSK	100	0	22.63	22.62	22.71		
40	16QAM	1	1	22.56	22.67	22.58	23.0	1.0
40	64QAM	1	1	21.03	21.18	21.09	21.5	2.5
40	256QAM	1	1	19.17	19.35	19.25	19.5	4.5
Channel				637000	641666	646000		
Frequency (MHz)				3665.02	3634.99	3684.99		
30	QPSK	1	1	23.16	23.22	23.03	24.0	0.0
Channel				637304	641666	646000		
Frequency (MHz)				3662.01	3624.99	3660		
20	QPSK	1	1	23.16	23.19	23.05	24.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3556	3624.99	3694.98		
10	QPSK	1	1	23.16	23.20	23.05	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.79	22.90	22.78		
100	Pl2 BPSK	1	137	22.68	22.75	22.82	24.0	0.0
100	Pl2 BPSK	1	271	22.83	22.78	22.65		
100	Pl2 BPSK	135	0	22.27	22.32	22.26	23.5	0.5
100	Pl2 BPSK	135	69	22.76	22.86	22.78	24.0	0.0
100	Pl2 BPSK	135	138	22.34	22.36	22.19	23.5	0.5
100	Pl2 BPSK	270	0	22.34	22.37	22.35		
100	QPSK	1	1	22.89	22.95	22.89		
100	QPSK	1	137	22.89	22.84	22.81	24.0	0.0
100	QPSK	1	271	22.68	22.76	22.67		
100	QPSK	135	0	21.90	22.10	22.00	23.0	1.0
100	QPSK	135	69	22.73	22.81	22.78	24.0	0.0
100	QPSK	135	138	21.89	22.11	21.94	23.0	1.0
100	QPSK	270	0	22.01	22.02	21.93		
100	16QAM	1	1	21.95	21.98	21.83	23.0	1.0
100	64QAM	1	1	20.32	20.40	20.38	21.5	2.5
100	256QAM	1	1	18.58	18.72	18.68	19.5	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.78	22.87	22.86	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	22.73	22.88	22.72	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.78	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	22.82	22.91	22.83	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	22.82	22.91	22.88	24.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)				647160	650000	654334		
15	QPSK	1	1	22.84	22.88	22.79	24.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.92	22.92	22.78	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.78	25.79	25.78		
100	Pl2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0
100	Pl2 BPSK	1	271	25.86	25.72	25.56		
100	Pl2 BPSK	135	0	25.84	25.59	25.61	27.0	0.0
100	Pl2 BPSK	135	69	25.86	25.79	25.81	27.0	0.0
100	Pl2 BPSK	135	138	25.83	25.70	25.86	27.0	0.0
100	Pl2 BPSK	270	0	25.58	25.76	25.63		
100	QPSK	1	1	25.85	25.96	25.83		
100	QPSK	1	137	25.81	25.75	25.75	27.0	0.0
100	QPSK	1	271	25.59	25.75	25.71		
100	QPSK	135	0	25.24	25.38	25.40	26.5	0.5
100	QPSK	135	69	25.84	25.88	25.81	27.0	0.0
100	QPSK	135	138	25.12	25.33	25.15	26.5	0.5
100	QPSK	270	0	25.26	25.38	25.24		
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5
100	64QAM	1	1	23.83	23.75	23.52	25.0	2.0
100	256QAM	1	1	21.00	21.98	21.77	23.0	4.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0
Channel								
Frequency (MHz)				648334	650000	652668		
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	25.70	25.87	25.69	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	25.79	25.80	25.87	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	25.75	25.84	25.80	27.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.88	25.92	25.75	27.0	0.0
Channel								
Frequency (MHz)				647160	650000	654334		
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	25.80	25.87	25.72	27.0	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)						3500.01		
100	Pl2 BPSK	1	1			22.41		
100	Pl2 BPSK	1	137			23.32	24.0	0.0
100	Pl2 BPSK	1	271			23.26		
100	Pl2 BPSK	135	0			22.88	23.5	0.5
100	Pl2 BPSK	135	69			23.08	24.0	0.0
100	Pl2 BPSK	135	138			22.81	23.5	0.5
100	Pl2 BPSK	270	0			22.74		
100	QPSK	1	1			23.45		
100	QPSK	1	137			23.30	24.0	0.0
100	QPSK	1	271			23.35		
100	QPSK	135	0			23.43	23.0	1.0
100	QPSK	135	69			23.22	24.0	0.0
100	QPSK	135	138			22.56	23.0	1.0
100	QPSK	270	0			22.53		
100	16QAM	1	1			22.15	21.5	2.5
100	64QAM	1	1			20.84	19.5	4.5
100	256QAM	1	1			18.96	18.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	23.29	23.30	23.31	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	23.29	23.39	23.29	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	23.34	23.38	23.34	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000		
50	QPSK	1	1	23.31	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	23.32	23.29	23.33	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	3465	3500.01	3535.01	24.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000		
20	QPSK	1	1	23.35	23.34	23.36	24.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334		
15	QPSK	1	1	23.40	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)				630000	633334	636668		
10	QPSK	1	1	23.35	23.32	23.41	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.54			
100	PI2 BPSK	1	271		20.32		27.0	0.0
100	PI2 BPSK	135	0		20.51			
100	PI2 BPSK	135	69		20.34		27.0	0.0
100	PI2 BPSK	135	138		20.44		27.0	0.0
100	PI2 BPSK	270	0		20.18			
100	PI2 BPSK	270	0		20.27		27.0	0.0
100	QPSK	1	1		20.00			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.30		27.0	0.0
100	QPSK	135	0		20.58		26.5	0.5
100	QPSK	135	69		20.42		27.0	0.0
100	QPSK	135	138		20.50		26.5	0.5
100	QPSK	270	0		20.15			
100	16QAM	1	1		20.02		26.5	0.5
100	64QAM	1	1		24.61		25.0	2.0
100	256QAM	1	1		22.46		23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	20.47	20.46	20.58	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.48	20.58	20.53	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.50	20.51	20.49	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.56	20.47	20.56	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631800	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.48	20.45	20.43	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.54	20.51	20.51	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.56	20.52	20.53	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	20.58	20.57	20.56	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	633100	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.57	20.58	20.54	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	20.50	20.45	20.55	27.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.90				
100	PI2 BPSK	1	137		22.85		24.0	0.0	
100	PI2 BPSK	1	271		22.81				
100	PI2 BPSK	135	0		22.33		23.5	0.5	
100	PI2 BPSK	135	69		22.86		24.0	0.0	
100	PI2 BPSK	135	138		22.32		23.5	0.5	
100	PI2 BPSK	270	0		22.40				
100	QPSK	1	1		22.91		24.0	0.0	
100	QPSK	1	137		22.82				
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.05		23.0	1.0	
100	QPSK	135	69		22.82		24.0	0.0	
100	QPSK	135	138		21.90		23.0	1.0	
100	QPSK	270	0		21.93				
100	16QAM	1	1		21.71		21.5	2.5	
100	64QAM	1	1		20.36		19.5	4.5	
100	256QAM	1	1		18.03		17.5	4.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Channel				3745.02	3750	3765.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.77	22.87	22.86	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
Channel				3749.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.86	22.85	22.86	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Channel				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.83	22.80	22.82	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Channel				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.87	22.78	22.86	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65168	Tune-up limit (dBm)	MPR (dB)	
Channel				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.77	22.77	22.87	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Channel				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.84	22.80	22.77	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Channel				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.58	22.78	22.76	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65268	Tune-up limit (dBm)	MPR (dB)	
Channel				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.80	22.84	22.85	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Channel				3707.50	3750	3792.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.77	22.79	22.84	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Channel				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.90	22.75	22.86	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.90				
100	PI2 BPSK	1	137		25.74		27.0	0.0	
100	PI2 BPSK	1	271		25.70				
100	PI2 BPSK	135	0		25.79		27.0	0.0	
100	PI2 BPSK	135	69		25.87		27.0	0.0	
100	PI2 BPSK	135	138		25.75		27.0	0.0	
100	PI2 BPSK	270	0		25.78				
100	QPSK	1	1		25.94		27.0	0.0	
100	QPSK	1	137		25.86				
100	QPSK	1	271		25.89				
100	QPSK	135	0		25.64		26.5	0.5	
100	QPSK	135	69		25.88		27.0	0.0	
100	QPSK	135	138		25.40		26.5	0.5	
100	QPSK	270	0		25.92				
100	16QAM	1	1		25.40		25.0	0.5	
100	64QAM	1	1		23.91		23.0	2.0	
100	256QAM	1	1		22.07		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Channel				3745.02	3750	3765.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.88	25.80	25.82	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
Channel				3749.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.90	25.91	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Channel				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.88	25.79	25.82	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Channel				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.85	25.80	25.78	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65168	Tune-up limit (dBm)	MPR (dB)	
Channel				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.77	25.78	25.84	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Channel				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.80	25.80	25.79	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Channel				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		25.34	25.78	25.85	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65268	Tune-up limit (dBm)	MPR (dB)	
Channel				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		25.86	25.89	25.78	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Channel				3707.50	3750	3792.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.77	25.91	25.88	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Channel				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.83	25.87	25.87	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		23.30				
100	PI2 BPSK	1	137		23.29		24.0	0.0	
100	PI2 BPSK	1	271		23.46				
100	PI2 BPSK	135	0		23.09		23.5	0.5	
100	PI2 BPSK	135	69		23.33		24.0	0.0	
100	PI2 BPSK	135	138		22.99		23.5	0.5	
100	PI2 BPSK	270	0		23.12				
100	QPSK	1	1		23.41		24.0	0.0	
100	QPSK	1	137		23.19				
100	QPSK	1	271		23.35				
100	QPSK	135	0		22.71		23.0	1.0	
100	QPSK	135	69		23.40		24.0	0.0	
100	QPSK	135	138		22.81		23.0	1.0	
100	QPSK	270	0		22.96				
100	16QAM	1	1		22.37		21.5	2.5	
100	64QAM	1	1		21.25		19.5	4.5	
100	256QAM	1	1		18.31		17.5	4.5	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
Channel				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.37	23.29	23.28	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
Channel				3495.02	3500.01	3505	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.28	23.34	23.28	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
Channel				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.34	23.39	23.25	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
Channel				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.32	23.34	23.39	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
Channel				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.35	23.33	23.32	24.0	0.0
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
Channel				3480.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.27	23.26	23.39	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
Channel				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		23.25	23.34	23.24	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
Channel				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		23.33	23.34	23.28	24.0	0.0
Channel									
Frequency (MHz)				63030	63334	63634	Tune-up limit (dBm)	MPR (dB)	
Channel				3455.05	3500.01	3542.50	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.28	23.31			



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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel					3000.01			
Frequency (MHz)					3000.01			
100	PI2 BPSK	1	1	28.43			27.0	0.0
100	PI2 BPSK	1	137	28.12			27.0	0.0
100	PI2 BPSK	1	271	28.39			27.0	0.0
100	PI2 BPSK	135	0	28.23			27.0	0.0
100	PI2 BPSK	135	69	28.60			27.0	0.0
100	PI2 BPSK	135	138	28.12			27.0	0.0
100	PI2 BPSK	270	0	25.98			27.0	0.0
100	QPSK	1	1	28.51			27.0	0.0
100	QPSK	1	137	28.27			27.0	0.0
100	QPSK	1	271	28.40			27.0	0.0
100	QPSK	135	0	25.81			26.5	0.5
100	QPSK	135	69	28.30			27.0	0.0
100	QPSK	135	138	28.89			26.5	0.5
100	QPSK	270	0	25.55			27.0	0.0
100	16QAM	1	1	25.76			26.5	0.5
100	64QAM	1	1	24.17			25.0	2.0
100	256QAM	1	1	22.12			23.0	4.0
Channel				633000	633334	633668		
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	28.47	28.36	28.41	27.0	0.0
Channel				632068	633334	634000		
Frequency (MHz)				3480.02	3500.01	3520		
80	QPSK	1	1	28.41	28.40	28.45	27.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	28.47	28.47	28.37	27.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3505.02		
60	QPSK	1	1	28.35	28.37	28.47	27.0	0.0
Channel				631000	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	28.49	28.48	28.48	27.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3480.01	3500.01	3520.01		
40	QPSK	1	1	28.41	28.43	28.47	27.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3485	3500.01	3535.02		
30	QPSK	1	1	28.38	28.47	28.42	27.0	0.0
Channel				630568	633334	635900		
Frequency (MHz)				3480.02	3500.01	3540		
20	QPSK	1	1	28.47	28.44	28.41	27.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3475.01	3500.01	3542.02		
15	QPSK	1	1	28.45	28.49	28.47	27.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3480.01	3500.01	3543.01		
10	QPSK	1	1	28.36	28.47	28.43	27.0	0.0



n2 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				372000	376000	380000			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.50	21.62	21.58			
20	PI2 BPSK	1	53	21.45	21.58	21.44	23.0	0.0	
20	PI2 BPSK	1	104	21.46	21.50	21.35			
20	PI2 BPSK	50	0	21.40	21.44	21.31	23.0	0.0	
20	PI2 BPSK	50	28	21.42	21.54	21.42	23.0	0.0	
20	PI2 BPSK	50	56	21.44	21.49	21.44	23.0	0.0	
20	PI2 BPSK	100	0	21.46	21.51	21.39	23.0	0.0	
20	QPSK	1	1	21.54	21.66	21.57			
20	QPSK	1	53	21.61	21.64	21.54	23.0	0.0	
20	QPSK	1	104	21.68	21.55	21.43			
20	QPSK	50	0	21.50	21.59	21.46	23.0	0.0	
20	QPSK	50	28	21.51	21.61	21.49	23.0	0.0	
20	QPSK	50	56	21.39	21.52	21.49	23.0	0.0	
20	QPSK	100	0	21.46	21.55	21.44	23.0	0.0	
20	16QAM	1	1	21.33	21.46	21.32	23.0	0.0	
20	64QAM	1	1	20.83	20.70	20.57	22.0	1.0	
20	256QAM	1	1	18.54	18.01	18.48	23.0	3.0	
Channel									
				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.49	21.61	21.51	23.0	0.0	
Channel									
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.40	21.60	21.53	23.0	0.0	
Channel									
				370000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.43	21.58	21.54	23.0	0.0	

n5 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	22.58	22.62	22.53			
20	PI2 BPSK	1	53	22.42	22.53	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.44	22.50	22.38	24.0	0.0	
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.56	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0	
20	QPSK	100	0	22.47	22.56	22.51	24.0	0.0	
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.0	
20	256QAM	1	1	21.71	21.81	21.73	23.0	3.0	
Channel									
				163000	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel									
				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel									
				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
40	PI2 BPSK	1	1	21.84	21.92	21.88			
40	PI2 BPSK	1	108	21.73	21.83	21.79	23.0	0.0	
40	PI2 BPSK	1	214	21.56	21.66	21.51			
40	PI2 BPSK	108	0	21.78	21.82	21.77	23.0	0.0	
40	PI2 BPSK	108	54	21.73	21.87	21.74	23.0	0.0	
40	PI2 BPSK	108	108	21.73	21.78	21.66	23.0	0.0	
40	PI2 BPSK	216	0	21.77	21.82	21.74			
40	QPSK	1	1	21.92	21.99	21.87			
40	QPSK	1	108	21.83	21.84	21.84	23.0	0.0	
40	QPSK	1	214	21.70	21.84	21.78			
40	QPSK	108	0	21.77	21.87	21.76	23.0	0.0	
40	QPSK	108	54	21.87	21.95	21.83	23.0	0.0	
40	QPSK	108	108	21.72	21.83	21.77	23.0	0.0	
40	QPSK	216	0	21.82	21.88	21.76			
40	16QAM	1	1	21.52	21.68	21.56	23.0	0.0	
40	64QAM	1	1	20.68	20.86	20.76	22.0	1.0	
40	256QAM	1	1	18.73	18.78	18.86	20.0	3.0	
Channel									
				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	21.83	21.89	21.75	23.0	0.0	
Channel									
				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	21.85	21.95	21.75	23.0	0.0	
Channel									
				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	PI2 BPSK	1	1	21.88	21.91	21.84	23.0	0.0	
Channel									
				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.78	21.93	21.80	23.0	0.0	
Channel									
				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.85	21.85	21.82	23.0	0.0	
Channel									
				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.81	21.90	21.73	23.0	0.0	



n25 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				374000	376500	379000			
Frequency (MHz)									
40	PI/2 BPSK	1	1	21.48	21.53	21.44			
40	PI/2 BPSK	1	108	21.32	21.41	21.36	23.0	0.0	
40	PI/2 BPSK	1	214	21.32	21.43	21.34			
40	PI/2 BPSK	108	0	21.42	21.52	21.45	23.0	0.0	
40	PI/2 BPSK	108	54	21.39	21.46	21.43	23.0	0.0	
40	PI/2 BPSK	108	108	21.36	21.45	21.39	23.0	0.0	
40	PI/2 BPSK	216	0	21.33	21.41	21.28			
40	QPSK	1	1	21.62	21.66	21.57			
40	QPSK	1	108	21.43	21.54	21.49	23.0	0.0	
40	QPSK	1	214	21.41	21.48	21.40			
40	QPSK	108	0	21.48	21.55	21.47	23.0	0.0	
40	QPSK	108	54	21.53	21.58	21.48	23.0	0.0	
40	QPSK	108	108	21.38	21.46	21.39	23.0	0.0	
40	QPSK	216	0	21.47	21.51	21.43			
40	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
40	64QAM	1	1	20.43	20.47	20.35	22.0	1.0	
40	256QAM	1	1	18.58	18.07	18.88	23.0	3.0	
Channel									
				1865	1882.5	1900	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.50	21.52	21.45	23.0	0.0	
Channel									
				372000	376500	380500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	21.55	21.61	21.47	23.0	0.0	
Channel									
				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.53	21.58	21.44	23.0	0.0	
Channel									
				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.56	21.62	21.49	23.0	0.0	
Channel									
				1865	1882.5	1910	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.55	21.57	21.53	23.0	0.0	
Channel									
				370500	376500	382000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.48	21.56	21.52	23.0	0.0	

n30 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				461500	462000	462500			
Frequency (MHz)									
10	PI/2 BPSK	1	1	21.29	21.29	21.29			
10	PI/2 BPSK	1	26	21.24	21.24	21.24	23.0	0.0	
10	PI/2 BPSK	1	50	21.15	21.15	21.15			
10	PI/2 BPSK	25	0	21.18	21.18	21.18	23.0	0.0	
10	PI/2 BPSK	25	14	21.30	21.30	21.30	23.0	0.0	
10	PI/2 BPSK	25	27	21.23	21.23	21.23	23.0	0.0	
10	PI/2 BPSK	50	0	21.26	21.26	21.26			
10	QPSK	1	1	21.34	21.34	21.34			
10	QPSK	1	26	21.31	21.31	21.31	23.0	0.0	
10	QPSK	1	50	21.29	21.29	21.29			
10	QPSK	25	0	21.26	21.26	21.26	23.0	0.0	
10	QPSK	25	14	21.28	21.28	21.28	23.0	0.0	
10	QPSK	25	27	21.15	21.15	21.15	23.0	0.0	
10	QPSK	50	0	21.16	21.16	21.16			
10	16QAM	1	1	21.11	21.11	21.11	23.0	0.0	
10	64QAM	1	1	20.28	20.28	20.28	22.0	1.0	
10	256QAM	1	1	18.37	18.37	18.37	23.0	3.0	
Channel									
				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.28	21.29	21.24	23.0	0.0	

n66 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				346000	349000	352000			
Frequency (MHz)									
40	PI/2 BPSK	1	1	22.01	22.11	22.07			
40	PI/2 BPSK	1	108	21.97	22.07	21.94	23.0	0.0	
40	PI/2 BPSK	1	214	21.90	21.96	21.82			
40	PI/2 BPSK	108	0	21.77	21.90	21.86	23.0	0.0	
40	PI/2 BPSK	108	54	21.94	22.05	22.01	23.0	0.0	
40	PI/2 BPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	PI/2 BPSK	216	0	21.84	21.95	21.83			
40	QPSK	1	1	22.06	22.18	22.01			
40	QPSK	1	108	22.05	22.12	22.06	23.0	0.0	
40	QPSK	1	214	22.02	22.07	22.00			
40	QPSK	108	0	21.81	21.93	21.83	23.0	0.0	
40	QPSK	108	54	21.95	21.99	21.86	23.0	0.0	
40	QPSK	108	108	21.87	21.93	21.80	23.0	0.0	
40	QPSK	216	0	21.92	21.96	21.82			
40	16QAM	1	1	21.88	21.91	21.78	23.0	0.0	
40	64QAM	1	1	20.61	20.73	20.66	22.0	1.0	
40	256QAM	1	1	18.34	18.49	18.38	23.0	3.0	
Channel									
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	21.96	22.14	21.87	23.0	0.0	
Channel									
				346000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.99	22.10	21.90	23.0	0.0	
Channel									
				345000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.00	22.05	21.93	23.0	0.0	
Channel									
				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.96	22.07	21.86	23.0	0.0	
Channel									
				345000	349000	355500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.01	22.04	21.91	23.0	0.0	



n70 Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. J. Freq.	Power Middle Ch. J. Freq.	Power High Ch. J. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1702.5				
15	PI/2 BPSK	1	1	22.08				
15	PI/2 BPSK	1	40	21.95			23.0	0.0
15	PI/2 BPSK	1	77	21.40				
15	PI/2 BPSK	36	0	22.03			22.5	0.5
15	PI/2 BPSK	36	22	22.06			23.0	0.0
15	PI/2 BPSK	36	43	21.38				
15	PI/2 BPSK	75	0	21.45			22.5	0.5
15	QPSK	1	1	22.11				
15	QPSK	1	40	22.06			23.0	0.0
15	QPSK	1	77	22.07				
15	QPSK	36	0	21.06			22.0	1.0
15	QPSK	36	22	22.07			23.0	0.0
15	QPSK	36	43	20.96			22.0	1.0
15	QPSK	75	0	21.14				
15	16QAM	1	1	21.18			22.0	1.0
15	16QAM	1	1	19.76			20.5	2.5
15	256QAM	1	1	17.67			18.5	4.5
Channel				340000	340500	341000	Tune-up limit	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	21.88	22.04	21.97	23.0	0.0
Channel				339500	340500	341500	Tune-up limit	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	21.97	22.03	22.01	23.0	0.0



n38 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				51600.4	51600	51699.6			
40	PI2 BPSK	1	1	21.98	22.07	21.95			
40	PI2 BPSK	1	53	21.90	22.01	21.93	23.0	0.0	
40	PI2 BPSK	1	104	21.83	21.95	21.89			
40	PI2 BPSK	50	0	21.98	22.03	21.94	23.0	0.0	
40	PI2 BPSK	50	28	21.97	22.06	21.94	23.0	0.0	
40	PI2 BPSK	50	56	21.91	21.97	21.89	23.0	0.0	
40	PI2 BPSK	100	0	21.87	22.03	22.04	23.0	0.0	
40	QPSK	1	1	22.06	22.09	21.98			
40	QPSK	1	53	22.00	22.04	21.93	23.0	0.0	
40	QPSK	1	104	21.99	21.95	21.93			
40	QPSK	50	0	21.84	21.98	21.93	23.0	0.0	
40	QPSK	50	28	21.94	22.04	22.00	23.0	0.0	
40	QPSK	50	56	21.83	21.91	21.85	23.0	0.0	
40	QPSK	100	0	21.97	22.04	21.91	23.0	0.0	
40	16QAM	1	1	21.73	21.81	21.69	23.0	0.0	
40	64QAM	1	1	21.00	21.17	20.98	21.5	1.5	
40	256QAM	1	1	18.49	18.33	18.36	18.5	3.5	
Channel									
Frequency (MHz)				51700.2	51700	51799.8			
30	QPSK	1	1	22.03	22.04	21.95	23.0	0.0	
Channel									
Frequency (MHz)				51800.4	51800	52149.6			
25	QPSK	1	1	22.00	22.06	21.96	23.0	0.0	
Channel									
Frequency (MHz)				51900.0	51900	52000			
20	QPSK	1	1	22.00	22.00	21.91	23.0	0.0	
Channel									
Frequency (MHz)				51500.2	51500	52249.8			
15	QPSK	1	1	22.04	21.99	21.89	23.0	0.0	
Channel									
Frequency (MHz)				51500.5	51500	52299.5			
10	QPSK	1	1	21.96	22.02	21.95	23.0	0.0	

n41 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				50920.2	50920	50999.8			
100	PI2 BPSK	1	1	22.02	22.06	21.97			
100	PI2 BPSK	1	137	21.83	21.93	21.83	23.0	0.0	
100	PI2 BPSK	1	271	21.87	21.97	21.85			
100	PI2 BPSK	135	0	21.40	21.59	21.54	22.5	0.5	
100	PI2 BPSK	135	69	21.83	22.01	21.92	23.0	0.0	
100	PI2 BPSK	135	138	21.41	21.43	21.35	22.5	0.5	
100	PI2 BPSK	270	0	21.52	21.55	21.40			
100	QPSK	1	1	22.04	22.11	21.92			
100	QPSK	1	137	22.00	22.07	21.96	23.0	0.0	
100	QPSK	1	271	21.96	22.01	21.94			
100	QPSK	135	0	21.06	21.29	21.13	22.0	1.0	
100	QPSK	135	69	21.99	22.03	21.87	23.0	0.0	
100	QPSK	135	138	20.94	21.05	20.92	22.0	1.0	
100	QPSK	270	0	20.90	21.01	20.92	22.0	1.0	
100	16QAM	1	1	20.85	21.09	20.97	22.0	1.0	
100	64QAM	1	1	19.58	19.65	19.62	20.5	2.5	
100	256QAM	1	1	17.98	17.76	17.81	18.5	4.5	
Channel									
Frequency (MHz)				50920.5	50920	50999.5			
80	QPSK	1	1	22.00	21.99	21.85	23.0	0.0	
Channel									
Frequency (MHz)				50920.4	50920	52999.6			
80	QPSK	1	1	21.91	22.07	21.89	23.0	0.0	
Channel									
Frequency (MHz)				50920.2	50920	53100			
70	QPSK	1	1	21.92	22.04	21.89	23.0	0.0	
Channel									
Frequency (MHz)				50920.0	50920	53199.8			
60	QPSK	1	1	21.90	22.06	21.80	23.0	0.0	
Channel									
Frequency (MHz)				50920.5	50920	52999.5			
50	QPSK	1	1	21.96	22.00	21.83	23.0	0.0	
Channel									
Frequency (MHz)				50920.2	50920	53400			
40	QPSK	1	1	21.99	21.98	21.83	23.0	0.0	
Channel									
Frequency (MHz)				50920.0	50920	53499.8			
30	QPSK	1	1	21.92	21.96	21.77	23.0	0.0	
Channel									
Frequency (MHz)				50920.5	50920	52999.5			
20	QPSK	1	1	21.99	22.02	21.87	23.0	0.0	



n41 PC2 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509002	518598	528000			
Frequency (MHz)				2544.01	2592.99	2640			
100	PI2 BPSK	1	1	24.86	24.92	24.80			
100	PI2 BPSK	1	137	24.71	24.81	24.69	26.0	0.0	
100	PI2 BPSK	1	271	24.77	24.85	24.71			
100	PI2 BPSK	135	0	24.53	24.67	24.55	26.0	0.0	
100	PI2 BPSK	135	69	24.76	24.88	24.83	26.0	0.0	
100	PI2 BPSK	135	138	24.68	24.76	24.73	26.0	0.0	
100	PI2 BPSK	270	0	24.73	24.83	24.71			
100	QPSK	1	1	24.93	24.98	24.85			
100	QPSK	1	137	24.66	24.73	24.66	26.0	0.0	
100	QPSK	1	271	24.83	24.86	24.73			
100	QPSK	135	0	24.22	24.34	24.28	25.5	0.5	
100	QPSK	135	69	24.77	24.87	24.81	26.0	0.0	
100	QPSK	135	138	24.17	24.28	24.20	25.5	0.5	
100	QPSK	270	0	24.21	24.33	24.25			
100	16QAM	1	1	24.36	24.41	24.29	25.5	0.5	
100	64QAM	1	1	22.86	23.02	22.96	24.0	2.0	
100	256QAM	1	1	21.10	21.25	21.16	22.0	4.0	
Channel				510000	519598	529000			
Frequency (MHz)				2544	2592.99	2644.98			
90	QPSK	1	1	24.86	24.92	24.71	26.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2638.02	2692.99	2649.99			
80	QPSK	1	1	24.83	24.89	24.78	26.0	0.0	
Channel				506002	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	24.81	24.83	24.70	26.0	0.0	
Channel				505000	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	24.80	24.84	24.75	26.0	0.0	
Channel				504004	518598	532000			
Frequency (MHz)				2521.02	2592.99	2654.99			
50	QPSK	1	1	24.89	24.93	24.77	26.0	0.0	
Channel				503002	518598	534000			
Frequency (MHz)				2516.01	2592.99	2649			
40	QPSK	1	1	24.79	24.85	24.80	26.0	0.0	
Channel				502000	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.78	24.81	24.72	26.0	0.0	
Channel				501004	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	24.89	24.94	24.80	26.0	0.0	

n48 Part96 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)				3370	3624.99	3679.98			
40	PI2 BPSK	1	1	23.35	23.41	23.27			
40	PI2 BPSK	1	53	23.33	23.37	23.34	24.0	0.0	
40	PI2 BPSK	1	104	23.19	23.30	23.22			
40	PI2 BPSK	50	0	22.69	22.83	22.71	23.5	0.5	
40	PI2 BPSK	50	26	23.33	23.36	23.26	24.0	0.0	
40	PI2 BPSK	50	56	22.76	22.81	22.75	23.5	0.5	
40	PI2 BPSK	100	0	22.82	22.87	22.78			
40	QPSK	1	1	23.39	23.47	23.42			
40	QPSK	1	53	23.21	23.42	23.29	24.0	0.0	
40	QPSK	1	104	23.26	23.36	23.32			
40	QPSK	50	0	22.33	22.45	22.38	23.0	1.0	
40	QPSK	50	28	23.30	23.42	23.29	24.0	0.0	
40	QPSK	90	56	22.31	22.41	22.34	23.0	1.0	
40	QPSK	100	0	22.35	22.49	22.45			
40	16QAM	1	1	21.75	21.89	21.77	23.0	1.0	
40	64QAM	1	1	20.86	20.90	20.76	21.5	2.5	
40	256QAM	1	1	19.10	19.24	19.20	19.5	4.5	
Channel				637000	641666	646000			
Frequency (MHz)				3665.02	3624.99	3684.99			
30	QPSK	1	1	23.32	23.38	23.32	24.0	0.0	
Channel				637304	641666	646000			
Frequency (MHz)				3660.01	3624.99	3660			
20	QPSK	1	1	23.34	23.43	23.33	24.0	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	23.20	23.42	23.32	24.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	23.43	23.57	23.51		
100	PI2 BPSK	1	137	23.46	23.53	23.48	24.0	0.0
100	PI2 BPSK	1	271	23.38	23.48	23.41		
100	PI2 BPSK	135	0	23.09	23.12	23.04	23.5	0.5
100	PI2 BPSK	135	69	23.38	23.51	23.40	24.0	0.0
100	PI2 BPSK	135	138	23.01	23.07	23.04	23.5	0.5
100	PI2 BPSK	270	0	23.04	23.10	22.98		
100	QPSK	1	1	23.56	23.63	23.53		
100	QPSK	1	137	23.44	23.56	23.46	24.0	0.0
100	QPSK	1	271	23.45	23.52	23.43		
100	QPSK	135	0	22.72	22.77	22.73	23.0	1.0
100	QPSK	135	69	23.48	23.58	23.46	24.0	0.0
100	QPSK	135	138	22.80	22.85	22.81	23.0	1.0
100	QPSK	270	0	22.66	22.72	22.63		
100	16QAM	1	1	22.84	22.77	22.70	23.0	1.0
100	64QAM	1	1	21.08	21.15	21.03	21.5	2.5
100	256QAM	1	1	19.27	19.21	19.38	19.5	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.50	23.56	23.48	24.0	0.0
Channel								
Frequency (MHz)				3483.34	3500	3526.68		
80	QPSK	1	1	23.51	23.56	23.46	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	653000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				648968	650000	653334		
60	QPSK	1	1	23.48	23.56	23.44	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.52	23.61	23.44	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	654000		
40	QPSK	1	1	23.52	23.61	23.48	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	23.52	23.61	23.48	24.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.48	23.61	23.45	24.0	0.0
Channel								
Frequency (MHz)				647100	650000	655000		
15	QPSK	1	1	23.53	23.61	23.50	24.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	23.44	23.59	23.44	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	26.71	26.76	26.67		
100	PI2 BPSK	1	137	26.57	26.69	26.84	27.0	0.0
100	PI2 BPSK	1	271	26.55	26.64	26.51		
100	PI2 BPSK	135	0	26.58	26.70	26.85	27.0	0.0
100	PI2 BPSK	135	69	26.66	26.72	26.67	27.0	0.0
100	PI2 BPSK	135	138	26.55	26.65	26.53	27.0	0.0
100	PI2 BPSK	270	0	26.60	26.69	26.54		
100	QPSK	1	1	26.69	26.81	26.72		
100	QPSK	1	137	26.67	26.75	26.68	27.0	0.0
100	QPSK	1	271	26.62	26.67	26.56		
100	QPSK	135	0	26.17	26.29	26.24	26.5	0.5
100	QPSK	135	69	26.85	26.76	26.68	27.0	0.0
100	QPSK	135	138	26.08	26.12	26.04	26.5	0.5
100	QPSK	270	0	26.10	26.21	26.10		
100	16QAM	1	1	26.09	26.18	26.13	26.5	0.5
100	64QAM	1	1	24.46	24.51	24.39	25.0	2.0
100	256QAM	1	1	22.08	22.07	22.30	23.0	4.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	26.66	26.76	26.85	27.0	0.0
Channel								
Frequency (MHz)				648334	650000	652668		
80	QPSK	1	1	26.60	26.72	26.85	27.0	0.0
Channel								
Frequency (MHz)				649000	650000	653000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				648968	650000	653334		
60	QPSK	1	1	26.59	26.78	26.68	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	26.62	26.75	26.66	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	654000		
40	QPSK	1	1	26.61	26.72	26.83	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	26.63	26.73	26.69	27.0	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	26.60	26.77	26.66	27.0	0.0
Channel								
Frequency (MHz)				647100	650000	655000		
15	QPSK	1	1	26.66	26.72	26.67	27.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	26.65	26.71	26.64	27.0	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)						3500.01		
100	PI2 BPSK	1	1			23.81		
100	PI2 BPSK	1	137			23.76	24.0	0.0
100	PI2 BPSK	1	271			23.72		
100	PI2 BPSK	135	0			23.45	23.5	0.5
100	PI2 BPSK	135	69			23.78	24.0	0.0
100	PI2 BPSK	135	138			23.42	23.5	0.5
100	PI2 BPSK	270	0			23.46		
100	QPSK	1	1			23.87		
100	QPSK	1	137			23.80	24.0	0.0
100	QPSK	1	271			23.75		
100	QPSK	135	0			23.92	23.0	1.0
100	QPSK	135	69			23.82	24.0	0.0
100	QPSK	135	138			22.98	23.0	1.0
100	QPSK	270	0			23.02		
100	16QAM	1	1			22.88	21.5	2.5
100	64QAM	1	1			21.26	21.5	4.5
100	256QAM	1	1			19.32	19.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	23.66	23.75	23.57	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	23.64	23.73	23.62	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	23.61	23.73	23.63	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	633668		
60	QPSK	1	1	23.61	23.71	23.55	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	633000		
50	QPSK	1	1	23.65	23.74	23.59	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	633534		
40	QPSK	1	1	23.62	23.69	23.57	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	633668		
30	QPSK	1	1	23.62	23.73	23.58	24.0	0.0
Channel								
Frequency (MHz)				630668	633334	633000		
20	QPSK	1	1	23.65	23.71	23.58	24.0	0.0
Channel								
Frequency (MHz)				630300	633334	633168		
15	QPSK	1	1	23.62	23.73	23.59	24.0	0.0
Channel								
Frequency (MHz)				630000	633334	633334		
10	QPSK	1	1	23.66	23.71	23.61	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		26.83		27.0	0.0
100	PI2 BPSK	1	271		26.73			
100	PI2 BPSK	135	0		26.77		27.0	0.0
100	PI2 BPSK	135	69		26.86		27.0	0.0
100	PI2 BPSK	135	138		26.81		27.0	0.0
100	PI2 BPSK	270	0		26.80			
100	QPSK	1	1		26.89			
100	QPSK	1	137		26.81		27.0	0.0
100	QPSK	1	271		26.75			
100	QPSK	135	0		26.35		26.5	0.5
100	QPSK	135	69		26.83		27.0	0.0
100	QPSK	135	138		26.24		26.5	0.5
100	QPSK	270	0		26.30			
100	16QAM	1	1		26.32		26.5	0.5
100	64QAM	1	1		24.68		25.0	2.0
100	256QAM	1	1		22.84		23.0	4.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				26.83	26.70	26.83	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630988	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
				26.70	26.72	26.82	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				26.08	26.71	26.60	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				26.84	26.72	26.87	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631868	633334	633500	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				26.84	26.69	26.67	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
				26.70	26.70	26.83	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
				26.83	26.87	26.85	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630988	633334	633500	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				26.83	26.68	26.84	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630500	633334	633168	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
				26.86	26.70	26.83	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3543.01		
				26.83	26.72	26.83	27.0	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)				3750	3750	3750			
100	PI2 BPSK	1	1		22.81				
100	PI2 BPSK	1	137		22.76		24.0	0.0	
100	PI2 BPSK	1	271		22.71				
100	PI2 BPSK	135	0		22.26		23.5	0.5	
100	PI2 BPSK	135	69		22.76		24.0	0.0	
100	PI2 BPSK	135	138		22.15		23.5	0.5	
100	PI2 BPSK	270	0		22.23				
100	QPSK	1	1		22.87				
100	QPSK	1	137		22.82		24.0	0.0	
100	QPSK	1	271		22.75				
100	QPSK	135	0		21.85		23.0	1.0	
100	QPSK	135	69		22.80		24.0	0.0	
100	QPSK	135	138		21.68		23.0	1.0	
100	QPSK	270	0		21.74				
100	16QAM	1	1		22.04		21.5	2.5	
100	64QAM	1	1		19.93		18.3	4.5	
100	256QAM	1	1		18.32		15.8	4.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit	MPR	
Channel				3745.02	3750	3765.01	(dBm)	(dB)	
90	QPSK	1	1		22.69	22.70	22.61	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit	MPR	
Channel				3749.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		22.68	22.74	22.62	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit	MPR	
Channel				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		22.68	22.71	22.65	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit	MPR	
Channel				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		22.68	22.70	22.65	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65168	Tune-up limit	MPR	
Channel				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		22.70	22.74	22.62	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65200	Tune-up limit	MPR	
Channel				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		22.67	22.68	22.59	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65234	Tune-up limit	MPR	
Channel				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		22.66	22.72	22.64	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65268	Tune-up limit	MPR	
Channel				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		22.64	22.73	22.66	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65304	Tune-up limit	MPR	
Channel				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		22.70	22.72	22.61	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit	MPR	
Channel				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		22.68	22.71	22.62	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.85				
100	PI2 BPSK	1	137		25.79		27.0	0.0	
100	PI2 BPSK	1	271		25.70				
100	PI2 BPSK	135	0		25.73		27.0	0.0	
100	PI2 BPSK	135	69		25.78		27.0	0.0	
100	PI2 BPSK	135	138		25.65		27.0	0.0	
100	PI2 BPSK	270	0		25.77				
100	QPSK	1	1		25.91				
100	QPSK	1	137		25.86		27.0	0.0	
100	QPSK	1	271		25.82				
100	QPSK	135	0		25.23		26.5	0.5	
100	QPSK	135	69		25.79		27.0	0.0	
100	QPSK	135	138		25.13		26.5	0.5	
100	QPSK	270	0		25.21				
100	16QAM	1	1		25.07		25.0	2.0	
100	64QAM	1	1		23.27		22.0	4.0	
100	256QAM	1	1		22.06		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit	MPR	
Channel				3745.02	3750	3765.01	(dBm)	(dB)	
90	QPSK	1	1		25.63	25.74	25.58	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit	MPR	
Channel				3749.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		25.69	25.73	25.59	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit	MPR	
Channel				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		25.68	25.70	25.62	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit	MPR	
Channel				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		25.65	25.72	25.62	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65168	Tune-up limit	MPR	
Channel				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		25.65	25.73	25.62	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65200	Tune-up limit	MPR	
Channel				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		25.65	25.71	25.57	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65234	Tune-up limit	MPR	
Channel				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		25.69	25.70	25.60	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65268	Tune-up limit	MPR	
Channel				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		25.69	25.72	25.64	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65304	Tune-up limit	MPR	
Channel				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		25.63	25.68	25.58	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit	MPR	
Channel				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		25.64	25.72	25.60	27.0	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)					3500.01				
100	PI2 BPSK	1	1		23.24				
100	PI2 BPSK	1	137		23.19		24.0	0.0	
100	PI2 BPSK	1	271		23.14				
100	PI2 BPSK	135	0		22.77		23.5	0.5	
100	PI2 BPSK	135	69		23.18		24.0	0.0	
100	PI2 BPSK	135	138		22.81		23.5	0.5	
100	PI2 BPSK	270	0		23.84				
100	QPSK	1	1		23.29				
100	QPSK	1	137		23.22		24.0	0.0	
100	QPSK	1	271		23.16				
100	QPSK	135	0		22.28		23.0	1.0	
100	QPSK	135	69		23.22		24.0	0.0	
100	QPSK	135	138		22.31		23.0	1.0	
100	QPSK	270	0		22.34				
100	16QAM	1	1		22.05		21.5	2.5	
100	64QAM	1	1		20.52		19.8	4.5	
100	256QAM	1	1		19.02		18.3	4.5	
Channel									
Frequency (MHz)				63300	63354	63398	Tune-up limit	MPR	
Channel				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		23.10	23.18	23.00	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit	MPR	
Channel				3495.02	3500.01	3505	(dBm)	(dB)	
80	QPSK	1	1		23.12	23.14	22.97	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit	MPR	
Channel				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		23.11	23.16	22.96	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit	MPR	
Channel				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		23.12	23.19	23.00	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit	MPR	
Channel				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		23.10	23.18	22.98	24.0	0.0
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit	MPR	
Channel				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		23.16	23.14	23.00	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit	MPR	
Channel				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		23.09	23.19	22.99	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit	MPR	
Channel				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		23.10	23.13	22.98	24.0	0.0
Channel									
Frequency (MHz)				63030	63334	63636	Tune-up limit	MPR	
Channel				3455.05	3500.01	3542.50	(dBm)	(dB)	
15	QPSK	1	1		23.13	23.20	23.01	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit	MPR	
Channel				3452.01	3500.01	3542.01	(dBm)	(dB)	
10	QPSK	1	1		23.16	23.20	23.01	24.0	0.0



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EW (MHz)	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)					3000.01			
100	PI2 BPSK	1	1	28.21				
100	PI2 BPSK	1	137	28.15			27.0	0.0
100	PI2 BPSK	1	271	28.10				
100	PI2 BPSK	135	0	28.16			27.0	0.0
100	PI2 BPSK	135	69	28.18			27.0	0.0
100	PI2 BPSK	135	138	28.11			27.0	0.0
100	PI2 BPSK	270	0	28.13				
100	QPSK	1	1	28.24				
100	QPSK	1	137	28.17			27.0	0.0
100	QPSK	1	271	28.12				
100	QPSK	135	0	25.82			26.5	0.5
100	QPSK	135	69	28.20			27.0	0.0
100	QPSK	135	138	28.75			26.5	0.5
100	QPSK	270	0	25.79				
100	16QAM	1	1	25.24			26.5	0.5
100	64QAM	1	1	24.02			25.0	2.0
100	256QAM	1	1	21.80			23.0	4.0
Channel				633000	633334	633668		
Frequency (MHz)				3485	3000.01	3005.02		
90	QPSK	1	1	28.00	28.13	28.05	27.0	0.0
Channel				632068	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3480.02	3000.01	3010	(dBm)	(dB)
80	QPSK	1	1	28.03	28.13	28.08	27.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3000.01	3115.01	(dBm)	(dB)
70	QPSK	1	1	28.04	28.11	28.09	27.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3000.01	3020.02	(dBm)	(dB)
60	QPSK	1	1	28.02	28.11	28.04	27.0	0.0
Channel				631000	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3000.01	3025	(dBm)	(dB)
50	QPSK	1	1	28.05	28.09	28.02	27.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3480.01	3000.01	3028.01	(dBm)	(dB)
40	QPSK	1	1	28.04	28.10	28.06	27.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3485	3000.01	3035.02	(dBm)	(dB)
30	QPSK	1	1	28.09	28.12	28.05	27.0	0.0
Channel				630568	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3480.02	3000.01	3040	(dBm)	(dB)
20	QPSK	1	1	28.00	28.09	28.04	27.0	0.0
Channel				630500	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3475.01	3000.01	3042.02	(dBm)	(dB)
15	QPSK	1	1	28.00	28.10	28.03	27.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3480.01	3000.01	3040.01	(dBm)	(dB)
10	QPSK	1	1	28.04	28.13	28.04	27.0	0.0



n2 Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	23.04	23.07	22.97			
20	PI2 BPSK	1	53	22.98	23.09	22.96	24.0	0.0	
20	PI2 BPSK	1	104	22.87	22.98	22.89			
20	PI2 BPSK	50	0	22.91	22.99	22.93	24.0	0.0	
20	PI2 BPSK	50	28	22.84	22.97	22.91	24.0	0.0	
20	PI2 BPSK	50	56	22.92	22.96	22.87	24.0	0.0	
20	PI2 BPSK	100	0	22.93	22.99	22.94			
20	QPSK	1	1	23.06	23.12	22.99			
20	QPSK	1	53	23.00	23.08	22.98	24.0	0.0	
20	QPSK	1	104	22.99	23.03	22.96			
20	QPSK	50	0	22.94	23.01	22.94	24.0	0.0	
20	QPSK	50	28	23.03	23.08	22.95	24.0	0.0	
20	QPSK	50	56	22.84	22.94	22.85	24.0	0.0	
20	QPSK	100	0	22.92	23.00	22.90			
20	16QAM	1	1	22.85	22.95	22.92	24.0	0.0	
20	64QAM	1	1	21.80	22.01	21.94	23.0	1.0	
20	256QAM	1	1	19.94	20.12	20.08	21.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	22.98	23.08	22.88	24.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	22.96	23.01	22.84	24.0	0.0	
Channel									
Frequency (MHz)				370600	376000	381500			
5	QPSK	1	1	23.02	23.04	22.98	24.0	0.0	

n7 Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	23.46	23.49	23.40			
40	PI2 BPSK	1	108	23.33	23.40	23.37	24.0	0.0	
40	PI2 BPSK	1	214	23.24	23.36	23.32			
40	PI2 BPSK	108	0	23.21	23.31	23.24	24.0	0.0	
40	PI2 BPSK	108	54	23.35	23.47	23.32	24.0	0.0	
40	PI2 BPSK	108	108	23.29	23.33	23.27	24.0	0.0	
40	PI2 BPSK	216	0	23.33	23.37	23.34			
40	QPSK	1	1	23.53	23.61	23.40			
40	QPSK	1	108	23.46	23.53	23.41	24.0	0.0	
40	QPSK	1	214	23.43	23.51	23.41			
40	QPSK	108	0	23.27	23.39	23.29	24.0	0.0	
40	QPSK	108	54	23.48	23.54	23.41	24.0	0.0	
40	QPSK	108	108	23.35	23.43	23.39	24.0	0.0	
40	QPSK	216	0	23.43	23.48	23.36			
40	16QAM	1	1	23.19	23.29	23.23	24.0	0.0	
40	64QAM	1	1	22.36	22.47	22.41	23.0	1.0	
40	256QAM	1	1	20.02	20.08	20.06	21.0	3.0	
Channel									
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.47	23.55	23.32	24.0	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	23.45	23.57	23.29	24.0	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	23.41	23.47	23.33	24.0	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	23.39	23.49	23.28	24.0	0.0	
Channel									
Frequency (MHz)				501000	507000	513000			
10	QPSK	1	1	23.44	23.50	23.31	24.0	0.0	
Channel									
Frequency (MHz)				500500	507000	513500			
5	QPSK	1	1	23.40	23.51	23.26	24.0	0.0	

n25 Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	182.5	195			
40	PI2 BPSK	1	1	23.01	23.06	22.93			
40	PI2 BPSK	1	108	22.84	22.96	22.89	24.0	0.0	
40	PI2 BPSK	1	214	22.93	22.99	22.85			
40	PI2 BPSK	108	0	22.96	23.03	22.87	24.0	0.0	
40	PI2 BPSK	108	54	22.89	22.98	22.84	24.0	0.0	
40	PI2 BPSK	108	108	22.86	22.97	22.84	24.0	0.0	
40	PI2 BPSK	216	0	22.85	22.99	22.90			
40	QPSK	1	1	23.07	23.17	22.98			
40	QPSK	1	108	23.03	23.08	22.89	24.0	0.0	
40	QPSK	1	214	23.00	23.02	23.02			
40	QPSK	108	0	22.97	23.05	22.92	24.0	0.0	
40	QPSK	108	54	23.01	23.09	22.96	24.0	0.0	
40	QPSK	108	108	22.90	22.99	22.84	24.0	0.0	
40	QPSK	216	0	22.96	23.03	22.92			
40	16QAM	1	1	23.01	23.08	23.02	24.0	0.0	
40	64QAM	1	1	21.89	21.96	21.91	23.0	1.0	
40	256QAM	1	1	20.22	20.28	20.48	21.0	3.0	
Channel									
Frequency (MHz)				1865	182.5	1900			
30	QPSK	1	1	22.92	23.11	22.86	24.0	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	22.99	23.05	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	PI2 BPSK	1	1	23.03	23.04	22.87	24.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	23.02	23.10	22.86	24.0	0.0	
Channel									
Frequency (MHz)				1865	182.5	1910			
10	QPSK	1	1	22.99	23.08	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	382000			
5	QPSK	1	1	23.02	23.06	22.93	24.0	0.0	



n30 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. / 46000	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	23.11	23.10				
10	PI2 BPSK	1	26	23.05			24.0	0.0	
10	PI2 BPSK	1	50	23.08					
10	PI2 BPSK	25	0	22.95			24.0	0.0	
10	PI2 BPSK	25	14	23.01			24.0	0.0	
10	PI2 BPSK	25	27	22.97					
10	PI2 BPSK	50	0	22.98			24.0	0.0	
10	QPSK	1	1	23.17					
10	QPSK	1	26	23.08			24.0	0.0	
10	QPSK	1	50	23.04					
10	QPSK	25	0	23.02			24.0	0.0	
10	QPSK	25	14	23.09			24.0	0.0	
10	QPSK	25	27	22.91			24.0	0.0	
10	QPSK	50	0	22.95					
10	16QAM	1	1	22.93			24.0	0.0	
10	64QAM	1	1	21.81			23.0	1.0	
10	256QAM	1	1	19.89			21.0	3.0	
Channel				461500	462000				
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	23.07	23.13	23.03	24.0	0.0	

n66 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. / 346000	Power Middle Ch. / Freq. / 349000	Power High Ch. / Freq. / 350000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	23.50	23.53	23.40			
40	PI2 BPSK	1	108	23.24	23.31	23.23	24.0	0.0	
40	PI2 BPSK	1	214	23.18	23.29	23.14			
40	PI2 BPSK	108	0	23.18	23.23	23.10	24.0	0.0	
40	PI2 BPSK	108	54	23.25	23.34	23.22	24.0	0.0	
40	PI2 BPSK	108	108	23.20	23.27	23.24			
40	PI2 BPSK	216	0	23.18	23.29	23.19	24.0	0.0	
40	QPSK	1	1	23.49	23.58	23.47			
40	QPSK	1	108	23.35	23.49	23.38	24.0	0.0	
40	QPSK	1	214	23.34	23.44	23.39			
40	QPSK	108	0	23.12	23.24	23.21	24.0	0.0	
40	QPSK	108	54	23.33	23.46	23.39	24.0	0.0	
40	QPSK	108	108	23.23	23.32	23.21	24.0	0.0	
40	QPSK	216	0	23.32	23.41	23.30			
40	16QAM	1	1	23.23	23.31	23.19	24.0	0.0	
40	64QAM	1	1	21.96	22.09	21.98	23.0	1.0	
40	256QAM	1	1	20.82	20.82	20.43	21.0	3.0	
Channel				345000	349000	350000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.42	23.47	23.43	24.0	0.0	
Channel				344000	349000	350000			
Frequency (MHz)				1725	1745	1770			
20	QPSK	1	1	23.40	23.52	23.37	24.0	0.0	
Channel				343000	349000	350000			
Frequency (MHz)				1715	1745	1775			
15	QPSK	1	1	23.45	23.43	23.43	24.0	0.0	
Channel				343000	349000	350000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.45	23.43	23.42	24.0	0.0	
Channel				342000	349000	350000			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.35	23.55	23.37	24.0	0.0	

n70 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. / 345000	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1		1702.5				
15	PI2 BPSK	1	40		23.53		24.0	0.0	
15	PI2 BPSK	1	77		23.47				
15	PI2 BPSK	1	77		23.49				
15	PI2 BPSK	36	0		23.41		24.0	0.0	
15	PI2 BPSK	36	22		23.48		24.0	0.0	
15	PI2 BPSK	36	43		23.34		24.0	0.0	
15	PI2 BPSK	75	0		23.39				
15	QPSK	1	1		23.55				
15	QPSK	1	43		23.46		24.0	0.0	
15	QPSK	1	77		23.42				
15	QPSK	36	0		23.36		24.0	0.0	
15	QPSK	36	22		23.50		24.0	0.0	
15	QPSK	36	43		23.39		24.0	0.0	
15	QPSK	75	0		23.43				
15	16QAM	1	1		21.98		23.0	1.0	
15	64QAM	1	1		20.71		21.5	2.5	
15	256QAM	1	1		19.10		19.5	4.5	
Channel				340000	345000	341000			
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1		23.40	23.48	23.41	24.0	0.0
Channel				339000	340000	341000			
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1		23.48	23.51	23.42	24.0	0.0



n38 Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				516004	516000	519996		
Frequency (MHz)				2900.02	2995	2999.98		
40	PI2 BPSK	1	1	23.69	23.84	23.79		
40	PI2 BPSK	1	53	23.55	23.68	23.56	24.0	0.0
40	PI2 BPSK	1	104	23.68	23.71	23.68		
40	PI2 BPSK	80	0	23.84	23.76	23.57	24.0	0.0
40	PI2 BPSK	50	28	23.66	23.81	23.81	24.0	0.0
40	PI2 BPSK	50	56	23.49	23.60	23.62	24.0	0.0
40	PI2 BPSK	100	0	23.66	23.73	23.75		
40	QPSK	1	1	23.87	23.98	23.85		
40	QPSK	1	53	23.76	23.77	23.68	24.0	0.0
40	QPSK	1	104	23.67	23.76	23.68		
40	QPSK	50	0	23.68	23.70	23.72	24.0	0.0
40	QPSK	50	28	23.76	23.92	23.80	24.0	0.0
40	QPSK	90	56	23.96	23.65	23.67	24.0	0.0
40	QPSK	100	0	23.66	23.70	23.69		
40	16QAM	1	1	23.65	23.76	23.77	24.0	0.0
40	64QAM	1	1	22.26	22.32	22.13	22.5	1.8
40	256QAM	1	1	20.40	20.40	20.37	20.5	3.5
Channel				517002	519000	520998		
Frequency (MHz)				2985.01	2995	2994.99		
30	QPSK	1	1	23.82	23.94	23.78	24.0	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2982.82	2995	2997.18		
25	QPSK	1	1	23.79	23.90	23.81	24.0	0.0
Channel				516000	516000	520000		
Frequency (MHz)				2980	2995	2990		
20	QPSK	1	1	23.85	23.88	23.80	24.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2977.51	2995	2992.49		
15	QPSK	1	1	23.84	23.89	23.82	24.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2975.02	2995	2994.98		
10	QPSK	1	1	23.82	23.94	23.75	24.0	0.0

n41 Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				506002	518998	528990		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	23.10	23.24	23.11		
100	PI2 BPSK	1	137	23.17	23.21	23.07	24.0	0.0
100	PI2 BPSK	1	271	23.15	23.19	23.12		
100	PI2 BPSK	135	0	22.70	22.78	22.62	23.5	0.5
100	PI2 BPSK	135	69	22.80	22.81	22.74	24.0	0.0
100	PI2 BPSK	135	138	22.72	22.75	22.67	23.5	0.5
100	PI2 BPSK	270	0	22.69	22.70	22.58		
100	QPSK	1	1	23.23	23.29	23.17		
100	QPSK	1	137	23.16	23.23	23.15	24.0	0.0
100	QPSK	1	271	23.10	23.17	23.13		
100	QPSK	135	0	22.21	22.25	22.11	23.0	1.0
100	QPSK	135	69	23.16	23.24	23.12	24.0	0.0
100	QPSK	135	138	22.13	22.27	22.16	23.0	1.0
100	QPSK	270	0	22.26	22.20	22.18		
100	16QAM	1	1	22.05	22.25	22.10	23.0	1.0
100	64QAM	1	1	20.67	20.81	20.65	21.5	2.5
100	256QAM	1	1	18.71	18.76	18.56	19.5	4.5
Channel				516000	518998	529998		
Frequency (MHz)				2641	2692.99	2644.98		
90	QPSK	1	1	23.14	23.15	23.05	24.0	0.0
Channel				507204	518998	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	23.15	23.22	23.12	24.0	0.0
Channel				506002	518998	531000		
Frequency (MHz)				2631.01	2692.99	2695		
70	QPSK	1	1	23.20	23.15	23.09	24.0	0.0
Channel				505000	518998	531996		
Frequency (MHz)				2626	2692.99	2699.98		
60	QPSK	1	1	23.18	23.26	23.07	24.0	0.0
Channel				516000	518998	536998		
Frequency (MHz)				2621.92	2692.99	2694.99		
50	QPSK	1	1	23.10	23.23	23.07	24.0	0.0
Channel				503002	518998	534000		
Frequency (MHz)				2616.01	2692.99	2690		
40	QPSK	1	1	23.15	23.19	23.13	24.0	0.0
Channel				502000	518998	534996		
Frequency (MHz)				2611	2692.99	2674.98		
30	QPSK	1	1	23.05	23.21	23.03	24.0	0.0
Channel				501004	518998	535998		
Frequency (MHz)				2606.02	2692.99	2679.99		
20	QPSK	1	1	23.10	23.25	23.13	24.0	0.0



n41 PC2 Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				506002	518598	526000	
Frequency (MHz)				2548.01	2592.99	2540	
100	PI2 BPSK	1	1	28.23	28.27	28.19	
100	PI2 BPSK	1	137	25.97	28.11	28.06	27.0
100	PI2 BPSK	1	271	25.82	25.98	25.93	
100	PI2 BPSK	135	0	28.06	28.13	25.98	27.0
100	PI2 BPSK	135	69	28.14	28.25	28.21	27.0
100	PI2 BPSK	135	138	25.82	25.93	25.79	27.0
100	PI2 BPSK	270	0	28.09	28.18	28.12	
100	QPSK	1	1	28.25	28.33	28.29	
100	QPSK	1	137	28.22	28.28	28.21	27.0
100	QPSK	1	271	25.07	28.14	28.06	
100	QPSK	135	0	25.80	25.88	25.78	26.5
100	QPSK	135	69	28.16	28.23	28.10	27.0
100	QPSK	135	138	25.83	25.80	25.74	26.5
100	QPSK	270	0	25.71	25.82	25.80	
100	16QAM	1	1	25.70	25.82	25.76	26.5
100	64QAM	1	1	24.35	24.41	24.28	25.0
100	256QAM	1	1	22.31	22.95	22.32	23.0
Channel				510000	518598	526000	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	28.22	28.19	28.25	27.0
Channel				507204	518598	526998	
Frequency (MHz)				2638.02	2692.99	2643.99	
80	QPSK	1	1	28.12	28.27	28.21	27.0
Channel				506002	518598	531000	
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	28.18	28.20	28.24	27.0
Channel				505000	518598	531998	
Frequency (MHz)				2428	2592.99	2659.98	
60	QPSK	1	1	28.17	28.28	28.14	27.0
Channel				504204	518598	532000	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	28.11	28.21	28.16	27.0
Channel				503002	518598	534000	
Frequency (MHz)				2418.01	2592.99	2669	
40	QPSK	1	1	28.18	28.24	28.17	27.0
Channel				502000	518598	534998	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	28.17	28.20	28.18	27.0
Channel				501204	518598	535998	
Frequency (MHz)				2606.02	2592.99	2679.99	
20	QPSK	1	1	28.19	28.26	28.18	27.0

n48 Part96 Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI2 BPSK	1	1	23.62	23.65	23.54	
40	PI2 BPSK	1	53	23.54	23.64	23.53	24.0
40	PI2 BPSK	1	104	23.43	23.64	23.61	
40	PI2 BPSK	50	0	22.99	23.11	23.10	23.5
40	PI2 BPSK	50	26	23.50	23.62	23.64	24.0
40	PI2 BPSK	50	56	23.10	23.18	23.08	23.5
40	PI2 BPSK	100	0	23.03	23.12	23.14	
40	QPSK	1	1	23.56	23.76	23.62	
40	QPSK	1	53	23.56	23.67	23.58	24.0
40	QPSK	1	104	23.51	23.57	23.49	
40	QPSK	50	0	22.44	22.64	22.57	23.0
40	QPSK	50	28	23.59	23.60	23.58	24.0
40	QPSK	50	56	22.66	22.51	22.45	23.0
40	QPSK	100	0	22.49	22.65	22.52	
40	16QAM	1	1	22.47	22.58	22.35	23.0
40	64QAM	1	1	21.10	21.14	21.18	21.5
40	256QAM	1	1	19.84	19.80	19.21	19.5
Channel				637000	641666	646000	
Frequency (MHz)				3665.02	3624.99	3684.99	
30	QPSK	1	1	23.42	23.71	23.57	24.0
Channel				637204	641666	646000	
Frequency (MHz)				3662.01	3624.99	3660	
20	QPSK	1	1	23.44	23.69	23.55	24.0
Channel				637000	641666	646332	
Frequency (MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	23.44	23.72	23.57	24.0



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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)				3750	3840	3930		
100	Pl2 BPSK	1	1	23.05	23.11	22.98		
100	Pl2 BPSK	1	137	22.93	23.05	22.94	24.0	0.0
100	Pl2 BPSK	1	271	22.87	22.97	22.83		
100	Pl2 BPSK	135	0	22.48	22.66	22.44	23.5	0.5
100	Pl2 BPSK	135	69	23.00	23.08	23.05	24.0	0.0
100	Pl2 BPSK	135	138	22.32	22.48	22.45	23.5	0.5
100	Pl2 BPSK	270	0	22.60	22.62	22.54		
100	QPSK	1	1	23.08	23.17	23.07		
100	QPSK	1	137	22.94	23.12	23.01	24.0	0.0
100	QPSK	1	271	22.97	22.98	22.88		
100	QPSK	135	0	21.81	22.11	21.92	23.0	1.0
100	QPSK	135	69	22.98	23.05	22.94	24.0	0.0
100	QPSK	135	138	21.84	21.88	21.78	23.0	1.0
100	QPSK	270	0	21.92	22.03	21.89		
100	16QAM	1	1	21.70	21.84	21.75	23.0	1.0
100	64QAM	1	1	20.31	20.45	20.34	21.5	2.5
100	256QAM	1	1	18.98	18.01	18.48	19.5	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.99	23.07	23.02	24.0	0.0
Channel								
Frequency (MHz)				3480.34	3500	3520		
80	QPSK	1	1	23.01	23.06	23.00	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	651000		
70	QPSK	1	1	3763	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	22.97	23.10	22.97	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.02	23.04	22.99	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000		
40	QPSK	1	1	22.95	23.13	22.98	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	653332		
30	QPSK	1	1	3716.02	3840	3965.01		
Channel								
Frequency (MHz)				647332	650000	650668		
20	QPSK	1	1	22.97	23.14	22.99	24.0	0.0
Channel								
Frequency (MHz)				647168	650000	650832		
15	QPSK	1	1	23.00	23.12	23.00	24.0	0.0
Channel								
Frequency (MHz)				647000	650000	650000		
10	QPSK	1	1	3705	3840	3975		
Channel								
Frequency (MHz)				3705	3840	3975		

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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)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.89	25.93	25.83		
100	Pl2 BPSK	1	137	25.72	25.79	25.86	27.0	0.0
100	Pl2 BPSK	1	271	25.88	25.80	25.76		
100	Pl2 BPSK	135	0	25.70	25.76	25.65	27.0	0.0
100	Pl2 BPSK	135	69	25.73	25.84	25.78	27.0	0.0
100	Pl2 BPSK	135	138	25.63	25.70	25.66	27.0	0.0
100	Pl2 BPSK	270	0	25.68	25.74	25.64		
100	QPSK	1	1	25.90	25.98	25.86		
100	QPSK	1	137	25.86	25.81	25.77	27.0	0.0
100	QPSK	1	271	25.70	25.77	25.66		
100	QPSK	135	0	25.32	25.44	25.42	26.5	0.5
100	QPSK	135	69	25.80	25.87	25.77	27.0	0.0
100	QPSK	135	138	25.19	25.30	25.26	26.5	0.5
100	QPSK	270	0	25.27	25.33	25.17		
100	16QAM	1	1	25.11	25.25	25.21	26.5	0.5
100	64QAM	1	1	23.88	23.81	23.74	25.0	2.0
100	256QAM	1	1	21.76	21.94	21.82	23.0	4.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.84	25.90	25.78	27.0	0.0
Channel								
Frequency (MHz)				648334	650000	652000		
80	QPSK	1	1	25.84	25.87	25.80	27.0	0.0
Channel								
Frequency (MHz)				649000	650000	651000		
70	QPSK	1	1	3733	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	25.80	25.84	25.80	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.81	25.94	25.79	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000		
40	QPSK	1	1	25.81	25.83	25.76	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	653332		
30	QPSK	1	1	3716.02	3840	3965.01		
Channel								
Frequency (MHz)				647332	650000	650668		
20	QPSK	1	1	25.85	25.89	25.78	27.0	0.0
Channel								
Frequency (MHz)				647168	650000	650832		
15	QPSK	1	1	25.76	25.92	25.80	27.0	0.0
Channel								
Frequency (MHz)				647000	650000	650000		
10	QPSK	1	1	3705	3840	3975		
Channel								
Frequency (MHz)				3705	3840	3975		

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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)						3500.01		
100	Pl2 BPSK	1	1			23.24		
100	Pl2 BPSK	1	137			23.20	24.0	0.0
100	Pl2 BPSK	1	271			23.14		
100	Pl2 BPSK	135	0			22.75	23.5	0.5
100	Pl2 BPSK	135	69			23.24	24.0	0.0
100	Pl2 BPSK	135	138			22.85	23.5	0.5
100	Pl2 BPSK	270	0			22.78		
100	QPSK	1	1			23.29		
100	QPSK	1	137			23.21	24.0	0.0
100	QPSK	1	271			23.18		
100	QPSK	135	0			22.24	23.0	1.0
100	QPSK	135	69			23.22	24.0	0.0
100	QPSK	135	138			22.21	23.0	1.0
100	QPSK	270	0			22.32		
100	16QAM	1	1			22.18	21.5	2.5
100	64QAM	1	1			20.71	19.5	4.5
100	256QAM	1	1			18.86	18.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	23.15	23.18	23.17	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	23.20	23.22	23.19	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	23.26	23.17	23.24	24.0	0.0
Channel								
Frequency (MHz)				3490	3500.01	3510.02		
50	QPSK	1	1	23.23	23.20	23.15	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	23.26	23.20	23.22	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	636668		
30	QPSK	1	1	3465	3500.01	3515.02		
Channel								
Frequency (MHz)				630334	633334	637000		
20	QPSK	1	1	23.15	23.25	23.23	24.0	0.0
Channel								
Frequency (MHz)				629000	633334	638334		
15	QPSK	1	1	23.24	23.17	23.24	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	636334		
10	QPSK	1	1	23.25	23.22	23.22	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	26.33	3500.01			
100	PI2 BPSK	1	137	26.28			27.0	0.0
100	PI2 BPSK	1	271	26.23				
100	PI2 BPSK	135	0	26.21			27.0	0.0
100	PI2 BPSK	135	69	26.30			27.0	0.0
100	PI2 BPSK	135	138	26.14			27.0	0.0
100	PI2 BPSK	270	0	26.26				
100	QPSK	1	1	26.46				
100	QPSK	1	137	26.33			27.0	0.0
100	QPSK	1	271	26.28				
100	QPSK	135	0	26.00			26.5	0.5
100	QPSK	135	69	26.31			27.0	0.0
100	QPSK	135	138	26.10			26.5	0.5
100	QPSK	270	0	26.25				
100	16QAM	1	1	25.80			26.5	0.5
100	64QAM	1	1	24.26			25.0	2.0
100	256QAM	1	1	22.41			23.0	4.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
80	QPSK	1	1	26.34	26.40	26.32	27.0	0.0
Channel								
Frequency (MHz)								
				636988	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3499.02	3500.01	3510		
80	QPSK	1	1	26.33	26.32	26.40	27.0	0.0
Channel								
Frequency (MHz)								
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.36	26.33	26.33	27.0	0.0
Channel								
Frequency (MHz)								
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	26.41	26.39	26.32	27.0	0.0
Channel								
Frequency (MHz)								
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	26.34	26.43	26.37	27.0	0.0
Channel								
Frequency (MHz)								
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.37	26.38	26.36	27.0	0.0
Channel								
Frequency (MHz)								
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	26.41	26.42	26.37	27.0	0.0
Channel								
Frequency (MHz)								
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	26.39	26.36	26.37	27.0	0.0
Channel								
Frequency (MHz)								
				630300	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3455.0	3500.01	3545.0		
15	QPSK	1	1	26.34	26.39	26.36	27.0	0.0
Channel								
Frequency (MHz)								
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3545.01		
10	QPSK	1	1	26.36	26.41	26.36	27.0	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)				3750	3750	3750			
100	PI2 BPSK	1	1		22.86				
100	PI2 BPSK	1	137		22.82		24.0	0.0	
100	PI2 BPSK	1	271		22.76				
100	PI2 BPSK	135	0		22.28		23.5	0.5	
100	PI2 BPSK	135	69		22.84		24.0	0.0	
100	PI2 BPSK	135	138		22.20		23.5	0.5	
100	PI2 BPSK	270	0		22.32				
100	QPSK	1	1		22.93		24.0	0.0	
100	QPSK	1	137		22.88				
100	QPSK	1	271		22.76				
100	QPSK	135	0		21.84		23.0	1.0	
100	QPSK	135	69		22.79		24.0	0.0	
100	QPSK	135	138		21.74		23.0	1.0	
100	QPSK	270	0		21.98				
100	16QAM	1	1		21.70		21.5	2.5	
100	64QAM	1	1		20.41		19.5	4.5	
100	256QAM	1	1		18.24				
Channel									
Frequency (MHz)				64998	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.78	22.80	22.85	24.0	0.0
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.79	22.88	22.85	24.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.85	22.90	22.78	24.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.82	22.83	22.88	24.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.88	22.88	22.87	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.92	22.90	22.88	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.82	22.81	22.88	24.0	0.0
Channel									
Frequency (MHz)				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.90	22.88	22.81	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.79	22.87	22.79	24.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.94	22.90	22.83	24.0	0.0

Part270 n78 PC2 Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		20.08				
100	PI2 BPSK	1	137		20.03		27.0	0.0	
100	PI2 BPSK	1	271		20.83				
100	PI2 BPSK	135	0		20.90		27.0	0.0	
100	PI2 BPSK	135	69		20.98		27.0	0.0	
100	PI2 BPSK	135	138		20.76		27.0	0.0	
100	PI2 BPSK	270	0		20.81				
100	QPSK	1	1		20.12		27.0	0.0	
100	QPSK	1	137		20.89				
100	QPSK	1	271		20.53				
100	QPSK	135	0		20.82		26.5	0.5	
100	QPSK	135	69		20.01		27.0	0.0	
100	QPSK	135	138		20.62		26.5	0.5	
100	QPSK	270	0		20.76				
100	16QAM	1	1		20.69		25.0	0.5	
100	64QAM	1	1		24.22		25.0	2.0	
100	256QAM	1	1		24.24		23.0	4.0	
Channel									
Frequency (MHz)				64998	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		26.01	26.08	26.00	27.0	0.0
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		26.00	25.99	26.08	27.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.98	26.09	26.00	27.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		26.02	26.97	26.03	27.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.98	26.05	26.08	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		26.05	26.03	26.02	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		26.02	26.07	26.03	27.0	0.0
Channel									
Frequency (MHz)				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		25.99	26.05	26.06	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		26.02	26.04	26.04	27.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		26.02	26.08	26.01	27.0	0.0

Part27Q n78 Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		23.53				
100	PI2 BPSK	1	137		23.48		24.0	0.0	
100	PI2 BPSK	1	271		23.42				
100	PI2 BPSK	135	0		23.01		23.5	0.5	
100	PI2 BPSK	135	69		23.57		24.0	0.0	
100	PI2 BPSK	135	138		22.84		23.5	0.5	
100	PI2 BPSK	270	0		22.95				
100	QPSK	1	1		23.61				
100	QPSK	1	137		23.58		24.0	0.0	
100	QPSK	1	271		23.52				
100	QPSK	135	0		22.41		23.0	1.0	
100	QPSK	135	69		23.56		24.0	0.0	
100	QPSK	135	138		22.36		23.0	1.0	
100	QPSK	270	0		22.44				
100	16QAM	1	1		22.32		21.5	2.5	
100	64QAM	1	1		20.89		19.5	4.5	
100	256QAM	1	1		18.03				
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.48	23.53	23.55	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.50	23.49	23.56	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.57	23.49	23.48	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.55	23.56	23.49	24.0	0.0
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.51	23.57	23.54	24.0	0.0
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.48	23.53	23.49	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		23.48	23.51	23.50	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		23.53	23.56	23.50	24.0	0.0
Channel									
Frequency (MHz)				63030	63334	63638	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.48	23.54	23.49	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.52	23.55	23.58	24.0	0.0



Part27Q n78 PC2 Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel					3000.01			
Frequency (MHz)					3000.01			
100	PI2 BPSK	1	1	28.44			27.0	0.0
100	PI2 BPSK	1	137	28.43				
100	PI2 BPSK	1	271	28.37				
100	PI2 BPSK	135	0	28.32			27.0	0.0
100	PI2 BPSK	135	69	28.40			27.0	0.0
100	PI2 BPSK	135	138	28.14			27.0	0.0
100	PI2 BPSK	270	0	28.27				
100	QPSK	1	1	28.53			27.0	0.0
100	QPSK	1	137	28.48				
100	QPSK	1	271	28.35				
100	QPSK	135	0	28.16			26.5	0.5
100	QPSK	135	69	28.48			27.0	0.0
100	QPSK	135	138	28.27			26.5	0.5
100	QPSK	270	0	28.27				
100	16QAM	1	1	28.12			26.5	0.5
100	64QAM	1	1	28.43			25.0	2.0
100	256QAM	1	1	22.60			23.0	4.0
Channel				633000	633334	633668		
Frequency (MHz)				3485	3000.01	3005.02		
90	QPSK	1	1	28.44	28.45	28.40	27.0	0.0
Channel				632068	633334	634000		
Frequency (MHz)				3480.02	3000.01	3010		
80	QPSK	1	1	28.45	28.50	28.45	27.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3000.01	3191.01		
70	QPSK	1	1	28.39	28.39	27.42	27.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3000.01	3020.02		
60	QPSK	1	1	28.45	28.48	28.48	27.0	0.0
Channel				631000	633334	635000		
Frequency (MHz)				3475.02	3000.01	3025		
50	QPSK	1	1	28.45	28.45	28.48	27.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3020.01	3028.01		
40	QPSK	1	1	28.43	28.43	28.45	27.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3485	3000.01	3035.02		
30	QPSK	1	1	28.40	28.41	28.39	27.0	0.0
Channel				630568	633334	636500		
Frequency (MHz)				3480.02	3000.01	3040		
20	QPSK	1	1	28.38	28.49	28.45	27.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3475	3000.01	3042.02		
15	QPSK	1	1	28.47	28.48	28.40	27.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3483.01	3000.01	3043.01		
10	QPSK	1	1	28.30	28.44	28.45	27.0	0.0



Reduced Power Mode for DS12-Standalone

n2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				372000	376000	380000			
Frequency (MHz)									
				1850	1850	1850			
20	PI2 BPSK	1	1	22.53	23.07	22.99			
20	PI2 BPSK	1	53	22.79	22.98	22.82	24.0	0.0	
20	PI2 BPSK	1	104	22.85	22.92	22.90			
20	PI2 BPSK	50	0	22.79	22.95	22.91	24.0	0.0	
20	PI2 BPSK	50	28	22.94	22.96	23.02	24.0	0.0	
20	PI2 BPSK	50	56	22.90	22.92	22.82	24.0	0.0	
20	PI2 BPSK	100	0	22.81	22.90	22.86			
20	QPSK	1	1	22.98	23.14	23.07			
20	QPSK	1	53	22.98	23.09	23.00	24.0	0.0	
20	QPSK	1	104	22.97	22.95	22.97			
20	QPSK	50	0	22.92	22.93	22.94	24.0	0.0	
20	QPSK	50	28	22.93	23.06	22.87	24.0	0.0	
20	QPSK	50	56	22.93	22.99	22.84	24.0	0.0	
20	QPSK	100	0	22.93	23.00	22.97			
20	16QAM	1	1	22.74	22.86	22.71	24.0	0.0	
20	64QAM	1	1	21.70	21.89	21.83	23.0	1.0	
20	256QAM	1	1	20.21	20.32	20.24	21.0	3.0	
Channel									
				371500	376000	380500			
Frequency (MHz)									
				1847.5	1860	1842.5			
15	QPSK	1	1	22.83	23.11	23.00	24.0	0.0	
Channel									
				371000	376000	381000			
Frequency (MHz)									
				1855	1850	1855			
10	QPSK	1	1	22.84	23.09	22.93	24.0	0.0	
Channel									
				370500	376000	381500			
Frequency (MHz)									
				1842.5	1860	1847.5			
5	QPSK	1	1	22.84	23.04	22.92	24.0	0.0	

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
				834	836.5	839			
20	PI2 BPSK	1	1	23.09	23.19	23.14			
20	PI2 BPSK	1	53	22.97	23.04	22.94	24.0	0.0	
20	PI2 BPSK	1	104	22.84	22.96	22.89			
20	PI2 BPSK	50	0	23.00	23.08	22.98	24.0	0.0	
20	PI2 BPSK	50	28	23.09	23.14	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.93	22.96	22.92	24.0	0.0	
20	PI2 BPSK	100	0	22.94	23.00	22.89			
20	QPSK	1	1	23.13	23.22	23.16			
20	QPSK	1	53	23.09	23.19	23.11	24.0	0.0	
20	QPSK	1	104	23.02	23.06	22.91			
20	QPSK	50	0	22.91	22.98	22.89	24.0	0.0	
20	QPSK	50	28	23.09	23.18	23.12	24.0	0.0	
20	QPSK	50	56	22.97	23.02	22.87	24.0	0.0	
20	QPSK	100	0	23.01	23.14	23.07			
20	16QAM	1	1	23.02	23.08	22.95	24.0	0.0	
20	64QAM	1	1	22.57	22.71	22.88	24.0	0.0	
20	256QAM	1	1	21.90	22.04	21.94	23.0	1.0	
Channel									
				165300	167300	169300			
Frequency (MHz)									
				831.5	836.5	841.5			
15	QPSK	1	1	23.03	23.16	23.11	24.0	0.0	
Channel									
				165800	167300	168800			
Frequency (MHz)									
				840	836.5	844			
10	QPSK	1	1	23.08	23.19	23.06	24.0	0.0	
Channel									
				165300	167300	169300			
Frequency (MHz)									
				846.5	836.5	846.5			
5	QPSK	1	1	23.08	23.16	23.06	24.0	0.0	

n7 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
				2530	2530	2530			
40	PI2 BPSK	1	1	21.84	21.90	21.78			
40	PI2 BPSK	1	108	21.76	21.87	21.83	23.0	0.0	
40	PI2 BPSK	1	214	21.81	21.88	21.74			
40	PI2 BPSK	108	0	21.68	21.76	21.69	23.0	0.0	
40	PI2 BPSK	108	54	21.84	21.91	21.87	23.0	0.0	
40	PI2 BPSK	108	108	21.69	21.75	21.72	23.0	0.0	
40	PI2 BPSK	216	0	21.81	21.83	21.74			
40	QPSK	1	1	21.95	21.98	21.83			
40	QPSK	1	108	21.83	21.92	21.81	23.0	0.0	
40	QPSK	1	214	21.89	21.97	21.90			
40	QPSK	108	0	21.74	21.88	21.78	23.0	0.0	
40	QPSK	108	54	21.78	21.85	21.83	23.0	0.0	
40	QPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	QPSK	216	0	21.80	21.92	21.77			
40	16QAM	1	1	21.80	21.84	21.74	23.0	0.0	
40	64QAM	1	1	21.05	21.14	21.09	22.0	1.0	
40	256QAM	1	1	19.15	19.22	19.08	20.0	3.0	
Channel									
				505000	507000	511000			
Frequency (MHz)									
				2515	2535	2555			
30	QPSK	1	1	21.90	21.93	21.71	23.0	0.0	
Channel									
				505500	507000	511500			
Frequency (MHz)									
				2522.5	2535	2527.5			
25	QPSK	1	1	21.85	21.91	21.69	23.0	0.0	
Channel									
				505000	507000	512000			
Frequency (MHz)									
				2516	2535	2550			
20	PI2 BPSK	1	1	21.84	21.86	21.68	23.0	0.0	
Channel									
				504500	507000	512500			
Frequency (MHz)									
				2527.5	2535	2522.5			
15	QPSK	1	1	21.81	21.84	21.74	23.0	0.0	
Channel									
				504000	507000	513000			
Frequency (MHz)									
				2506	2535	2565			
10	QPSK	1	1	21.91	21.95	21.68	23.0	0.0	
Channel									
				503500	507000	513500			
Frequency (MHz)									
				2502.5	2535	2507.5			
5	QPSK	1	1	21.87	21.88	21.80	23.0	0.0	



n12 Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
15	PI2 BPSK	1	1	21.05	21.11	22.57	
15	PI2 BPSK	1	40	22.84	22.92	22.80	24.0
15	PI2 BPSK	1	77	22.75	22.88	22.74	
15	PI2 BPSK	36	0	22.96	23.01	22.86	24.0
15	PI2 BPSK	36	22	23.01	23.06	22.94	24.0
15	PI2 BPSK	36	43	22.90	22.98	22.88	24.0
15	PI2 BPSK	75	0	22.90	23.02	22.96	
15	QPSK	1	1	23.13	23.19	23.12	
15	QPSK	1	40	23.07	23.12	23.08	24.0
15	QPSK	1	77	22.87	22.95	22.90	
15	QPSK	36	0	22.92	23.01	22.89	24.0
15	QPSK	36	22	22.97	23.06	22.97	24.0
15	QPSK	36	43	22.94	22.99	22.89	24.0
15	QPSK	75	0	22.85	23.01	22.90	
15	16QAM	1	1	23.07	23.11	23.07	24.0
15	64QAM	1	1	22.01	22.11	22.03	23.0
15	256QAM	1	1	23.14	23.23	23.17	21.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.03	23.14	23.06	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.99	23.08	23.04	24.0

n13 Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1		23.15		
10	PI2 BPSK	1	26		23.13		24.0
10	PI2 BPSK	1	50		23.06		
10	PI2 BPSK	25	0		22.57		23.5
10	PI2 BPSK	25	14		23.15		24.0
10	PI2 BPSK	25	27		23.01		23.5
10	PI2 BPSK	50	0		23.11		24.0
10	QPSK	1	1		23.29		
10	QPSK	1	26		23.19		24.0
10	QPSK	1	50		23.13		
10	QPSK	25	0		22.46		23.0
10	QPSK	25	14		23.19		24.0
10	QPSK	25	27		22.97		23.0
10	QPSK	50	0		22.58		23.0
10	16QAM	1	1		21.67		23.0
10	64QAM	1	1		20.78		21.5
10	256QAM	1	1		19.36		18.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.20	23.26	23.22	24.0

n14 Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1		23.37		
10	PI2 BPSK	1	26		23.28		24.0
10	PI2 BPSK	1	50		23.33		
10	PI2 BPSK	25	0		23.28		24.0
10	PI2 BPSK	25	14		23.35		24.0
10	PI2 BPSK	25	27		23.28		24.0
10	PI2 BPSK	50	0		23.31		24.0
10	QPSK	1	1		23.43		
10	QPSK	1	26		23.21		24.0
10	QPSK	1	50		23.36		
10	QPSK	25	0		23.31		24.0
10	QPSK	25	14		23.39		24.0
10	QPSK	25	27		23.28		24.0
10	QPSK	50	0		23.33		24.0
10	16QAM	1	1		23.22		24.0
10	64QAM	1	1		22.17		23.0
10	256QAM	1	1		20.40		21.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.32	23.40	23.30	24.0



n25 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				374000	376500	379000				
Frequency (MHz)				3770	3762.5	3790				
40	PI2 BPSK	1	1	23.02	23.13	23.12				
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0		
40	PI2 BPSK	1	214	22.98	22.98	23.02				
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0		
40	PI2 BPSK	108	54	23.04	23.11	23.14	24.0	0.0		
40	PI2 BPSK	108	108	22.96	23.07	22.93	24.0	0.0		
40	PI2 BPSK	216	0	22.98	22.96	23.05				
40	QPSK	1	1	23.08	23.25	23.21				
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0		
40	QPSK	1	214	23.02	23.06	23.00				
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0		
40	QPSK	108	54	23.02	23.16	22.97	24.0	0.0		
40	QPSK	108	108	22.98	23.08	22.93	24.0	0.0		
40	QPSK	216	0	23.04	23.12	23.04	24.0	0.0		
40	16QAM	1	1	23.09	23.21	23.16	24.0	0.0		
40	64QAM	1	1	22.08	22.13	22.08	23.0	1.0		
40	256QAM	1	1	20.89	20.74	20.63	21.0	3.0		
Channel				372000	375500	380000				
Frequency (MHz)				1885	1882.5	1900				
30	QPSK	1	1	22.99	23.11	23.06	24.0	0.0		
Channel				372500	376500	380500				
Frequency (MHz)				1892.5	1882.5	1902.5				
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0		
Channel				372000	376500	381000				
Frequency (MHz)				1890	1882.5	1895				
20	QPSK	1	1	22.99	23.19	23.08	24.0	0.0		
Channel				371500	376500	381500				
Frequency (MHz)				1897.5	1882.5	1907.5				
15	QPSK	1	1	22.93	23.20	23.06	24.0	0.0		
Channel				371000	376500	382000				
Frequency (MHz)				1885	1882.5	1910				
10	QPSK	1	1	22.98	23.21	23.17	24.0	0.0		
Channel				370500	376500	382500				
Frequency (MHz)				1882.5	1882.5	1912.5				
5	QPSK	1	1	22.96	23.17	23.14	24.0	0.0		

n26 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				164800	166300	167800				
Frequency (MHz)				824	824.5	829				
20	PI2 BPSK	1	1	23.38	23.48	23.33				
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0		
20	PI2 BPSK	1	104	23.02	23.11	23.05				
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0		
20	PI2 BPSK	50	26	23.23	23.31	23.18	24.0	0.0		
20	PI2 BPSK	50	56	23.02	23.15	23.08	24.0	0.0		
20	PI2 BPSK	100	0	23.17	23.28	23.22				
20	QPSK	1	1	23.43	23.49	23.38				
20	QPSK	1	53	23.26	23.40	23.32	24.0	0.0		
20	QPSK	1	104	23.27	23.34	23.22				
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0		
20	QPSK	50	26	23.39	23.43	23.32	24.0	0.0		
20	QPSK	50	56	23.20	23.31	23.26	24.0	0.0		
20	QPSK	100	0	23.31	23.38	23.26	24.0	0.0		
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0		
20	64QAM	1	1	22.31	22.43	22.30	23.0	1.0		
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0		
Channel				165300	166300	166300				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	1	23.39	23.36	23.33	24.0	0.0		
Channel				166800	166300	166800				
Frequency (MHz)				819	831.5	844				
10	QPSK	1	1	23.31	23.39	23.25	24.0	0.0		
Channel				165300	166300	166300				
Frequency (MHz)				818.5	831.5	848.5				
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0		

n30 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				462000						
Frequency (MHz)				2310						
10	PI2 BPSK	1	1		22.91					
10	PI2 BPSK	1	26		22.89		24.0	0.0		
10	PI2 BPSK	1	50		22.82					
10	PI2 BPSK	25	0		22.81		24.0	0.0		
10	PI2 BPSK	25	14		22.82		24.0	0.0		
10	PI2 BPSK	25	27		22.87		24.0	0.0		
10	PI2 BPSK	50	0		22.81					
10	QPSK	1	1		23.03					
10	QPSK	1	26		22.91		24.0	0.0		
10	QPSK	1	50		22.90					
10	QPSK	25	0		22.80		24.0	0.0		
10	QPSK	25	14		22.83		24.0	0.0		
10	QPSK	25	27		22.89		24.0	0.0		
10	QPSK	50	0		22.90		24.0	0.0		
10	16QAM	1	1		22.66		24.0	0.0		
10	64QAM	1	1		22.17		23.0	1.0		
10	256QAM	1	1		20.17		21.0	3.0		
Channel				461500	462000	462500				
Frequency (MHz)				2307.5	2310	2312.5				
5	QPSK	1	1	22.83	22.90	22.81	24.0	0.0		



n66 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 346000	Mid-Hi Ch. / Freq. 349000	High Ch. / Freq. 352000		
Channel								
Frequency (MHz)				1712	1745	1776		
40	PI2 BPSK	1	1	23.18	23.29	23.32		
40	PI2 BPSK	1	108	23.07	23.35	23.14	24.0	0.0
40	PI2 BPSK	1	214	23.23	23.14	23.27		
40	PI2 BPSK	108	0	23.17	23.27	23.23	24.0	0.0
40	PI2 BPSK	108	54	23.22	23.38	23.40	24.0	0.0
40	PI2 BPSK	108	108	23.18	23.33	23.13	24.0	0.0
40	PI2 BPSK	216	0	23.04	23.22	23.21		
40	QPSK	1	1	23.26	23.45	23.40		
40	QPSK	1	108	23.37	23.34	23.27	24.0	0.0
40	QPSK	1	214	23.26	23.26	23.25		
40	QPSK	108	0	23.16	23.18	23.13	24.0	0.0
40	QPSK	108	54	23.22	23.35	23.24	24.0	0.0
40	QPSK	108	108	23.16	23.29	23.16	24.0	0.0
40	QPSK	216	0	23.21	23.35	23.22		
40	16QAM	1	1	22.70	22.48	22.63	24.0	0.0
40	64QAM	1	1	21.62	21.37	21.54	23.0	1.0
40	256QAM	1	1	20.39	20.24	20.44	21.0	3.0
Channel				345000	349000	353000		
Frequency (MHz)				1728	1745	1768		
30	QPSK	1	1	23.16	23.39	23.35	24.0	0.0
Channel				340000	349000	349000		
Frequency (MHz)				1720	1745	1776		
20	QPSK	1	1	23.13	23.41	23.35	24.0	0.0
Channel				343000	349000	345000		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.22	23.37	23.33	24.0	0.0
Channel				343000	349000	350000		
Frequency (MHz)				1712	1745	1776		
10	QPSK	1	1	23.22	23.34	23.29	24.0	0.0
Channel				342000	349000	350000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.14	23.38	23.30	24.0	0.0

n70 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 340000	Mid-Hi Ch. / Freq. 345000	High Ch. / Freq. 341000			
Channel									
Frequency (MHz)				1700	1702.5	1705			
15	PI2 BPSK	1	1		20.85				
15	PI2 BPSK	1	40		20.92		22.0	0.0	
15	PI2 BPSK	1	77		20.86				
15	PI2 BPSK	36	0		20.74		22.0	0.0	
15	PI2 BPSK	36	22		20.83		22.0	0.0	
15	PI2 BPSK	36	43		20.77		22.0	0.0	
15	PI2 BPSK	75	0		20.81				
15	QPSK	1	1		21.00				
15	QPSK	1	40		20.89		22.0	0.0	
15	QPSK	1	77		20.84				
15	QPSK	36	0		20.79		21.0	1.0	
15	QPSK	36	22		20.82		22.0	0.0	
15	QPSK	36	43		20.67		21.0	1.0	
15	QPSK	75	0		20.78				
15	16QAM	1	1		18.05		21.0	1.0	
15	64QAM	1	1		18.01		19.5	2.5	
15	256QAM	1	1		16.67		17.5	4.5	
Channel				340000	345000	341000			
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1		20.85	20.91	20.88	22.0	0.0
Channel				340000	345000	341000			
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1		20.89	20.96	20.89	22.0	0.0



n71 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up Init (dBm)	MPR (dB)	
				Low Ch. / Freq.	Midle Ch. / Freq.	High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	23.27	23.32	23.34			
20	PI2 BPSK	1	53	23.19	23.28	23.17	24.0	0.0	
20	PI2 BPSK	1	104	23.09	23.22	23.19			
20	PI2 BPSK	50	0	23.16	23.26	23.18	24.0	0.0	
20	PI2 BPSK	50	99	23.21	23.29	23.17	24.0	0.0	
20	PI2 BPSK	50	56	23.03	23.18	23.14	24.0	0.0	
20	PI2 BPSK	100	0	23.10	23.22	23.09			
20	QPSK	1	1	23.27	23.36	23.34			
20	QPSK	1	53	23.17	23.21	23.28	24.0	0.0	
20	QPSK	1	104	23.18	23.29	23.23			
20	QPSK	50	0	23.11	23.23	23.11	24.0	0.0	
20	QPSK	50	28	23.20	23.33	23.21	24.0	0.0	
20	QPSK	50	56	23.13	23.23	23.11	24.0	0.0	
20	QPSK	100	0	23.14	23.26	23.14			
20	16QAM	1	1	22.76	22.88	22.84	24.0	0.0	
20	64QAM	1	1	22.10	22.19	22.12	23.0	1.0	
20	256QAM	1	1	20.53	20.57	20.49	21.0	3.0	
Channel				134100	135100	136100	Tune-up Init (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	23.15	23.35	23.26	24.0	0.0	
Channel				135600	136100	136600	Tune-up Init (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	23.12	23.33	23.28	24.0	0.0	
Channel				133100	136100	139100	Tune-up Init (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	23.19	23.27	23.21	24.0	0.0	



n38 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power		Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.			
Channel				516004	516000			
Frequency (MHz)				2500.02	2205	2099.98		
40	PI2 BPSK	1	1	21.86	21.97	21.85		
40	PI2 BPSK	1	53	21.78	21.89	21.74	23.0	0.0
40	PI2 BPSK	1	104	21.73	21.88	21.69		
40	PI2 BPSK	80	0	21.81	21.89	21.71	23.0	0.0
40	PI2 BPSK	50	28	21.92	21.96	21.83	23.0	0.0
40	PI2 BPSK	50	56	21.64	21.81	21.68		
40	PI2 BPSK	100	0	21.69	21.82	21.78	23.0	0.0
40	QPSK	1	1	21.94	22.07	21.96		
40	QPSK	1	53	21.86	22.01	21.86	23.0	0.0
40	QPSK	1	104	21.85	21.91	21.79		
40	QPSK	50	0	21.71	21.90	21.85	23.0	0.0
40	QPSK	50	28	21.87	21.99	21.80	23.0	0.0
40	QPSK	90	56	21.70	21.84	21.77	23.0	0.0
40	QPSK	100	0	21.78	21.83	21.73	23.0	0.0
40	16QAM	1	1	21.27	21.25	21.18	23.0	0.0
40	64QAM	1	1	20.44	20.50	20.42	23.0	1.8
40	256QAM	1	1	18.76	18.77	18.63	18.5	3.5
Channel				517002	516000	520008	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2685.01	2555	2604.99		
30	QPSK	1	1	21.86	22.04	21.89	23.0	0.0
Channel				516504	516000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2682.83	2555	2607.16		
25	QPSK	1	1	21.87	22.03	21.93	23.0	0.0
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2560	2555	2610		
20	QPSK	1	1	21.92	22.04	21.85	23.0	0.0
Channel				515502	516000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2555	2612.49		
15	QPSK	1	1	21.89	22.05	21.94	23.0	0.0
Channel				515004	516000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2555	2614.98		
10	QPSK	1	1	21.87	22.05	21.88	23.0	0.0

n41 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power		Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.			
Channel				506002	518500	528000		
Frequency (MHz)				2540.01	2592.99	2540		
100	PI2 BPSK	1	1	21.90	22.02	21.84		
100	PI2 BPSK	1	137	21.82	21.96	21.89	23.0	0.0
100	PI2 BPSK	1	271	21.79	21.89	21.81		
100	PI2 BPSK	135	0	21.34	21.44	21.30	22.5	0.5
100	PI2 BPSK	135	69	21.98	22.04	21.92	23.0	0.0
100	PI2 BPSK	135	138	21.34	21.41	21.35	22.5	0.5
100	PI2 BPSK	270	0	21.35	21.49	21.41		
100	QPSK	1	1	21.95	22.08	21.97		
100	QPSK	1	137	21.86	21.93	21.80	23.0	0.0
100	QPSK	1	271	21.87	21.95	21.89		
100	QPSK	135	0	20.91	21.01	20.90	22.0	1.0
100	QPSK	135	69	21.95	21.99	21.85	23.0	0.0
100	QPSK	135	138	20.88	21.01	20.83	22.0	1.0
100	QPSK	270	0	20.80	20.94	20.81		
100	16QAM	1	1	20.97	21.03	20.89	22.0	1.0
100	64QAM	1	1	19.02	19.16	19.03	20.5	2.5
100	256QAM	1	1	17.45	17.53	17.43	18.5	4.5
Channel				515500	518500	529500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.90	21.97	21.89	23.0	0.0
Channel				507204	518500	529500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	21.88	21.96	21.86	23.0	0.0
Channel				506202	518500	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.80	22.00	21.80	23.0	0.0
Channel				505200	518500	531900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.92	21.96	21.85	23.0	0.0
Channel				504204	518500	532800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.84	22.02	21.82	23.0	0.0
Channel				503202	518500	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.85	22.04	21.92	23.0	0.0
Channel				502200	518500	534900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.85	22.00	21.83	23.0	0.0
Channel				501204	518500	535800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.83	21.98	21.80	23.0	0.0



n41 PC2 Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				506202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.54	24.52	24.77	26.0
100	PI/2 BPSK	1	137	24.76	24.86	24.74	26.0
100	PI/2 BPSK	1	271	24.73	24.81	24.70	26.0
100	PI/2 BPSK	135	0	24.69	24.77	24.73	26.0
100	PI/2 BPSK	135	69	24.76	24.86	24.73	26.0
100	PI/2 BPSK	135	138	24.60	24.75	24.63	26.0
100	PI/2 BPSK	270	0	24.73	24.79	24.76	26.0
100	QPSK	1	1	24.88	24.96	24.84	26.0
100	QPSK	1	137	24.83	24.91	24.77	26.0
100	QPSK	1	271	24.70	24.83	24.73	26.0
100	QPSK	135	0	24.30	24.40	24.37	25.5
100	QPSK	135	69	24.80	24.90	24.77	26.0
100	QPSK	135	138	24.32	24.38	24.27	25.5
100	QPSK	270	0	24.38	24.42	24.31	25.5
100	16QAM	1	1	24.24	24.30	24.24	25.5
100	64QAM	1	1	22.57	22.62	22.52	24.0
100	256QAM	1	1	20.18	20.30	20.16	22.0
Channel				502010	513590	525990	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	MPR (dB)
90	QPSK	1	1	24.85	24.87	24.80	26.0
Channel				507294	518598	529998	Tune-up limit
Frequency (MHz)				2628.02	2661.99	2684.98	MPR (dB)
80	QPSK	1	1	24.76	24.84	24.71	26.0
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	MPR (dB)
70	QPSK	1	1	24.74	24.90	24.77	25.0
Channel				502010	518598	531998	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	MPR (dB)
60	QPSK	1	1	24.83	24.82	24.76	26.0
Channel				502010	513590	525990	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	MPR (dB)
50	QPSK	1	1	24.79	24.86	24.80	26.0
Channel				502010	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	MPR (dB)
40	QPSK	1	1	24.74	24.89	24.72	26.0
Channel				502010	518598	534998	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	MPR (dB)
30	QPSK	1	1	24.83	24.91	24.76	26.0
Channel				507294	518598	529998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	MPR (dB)
20	QPSK	1	1	24.84	24.88	24.78	26.0

n48 Part96 Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				636000	641666	645332	
Frequency (MHz)				3670	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.87	21.01	20.95	
40	PI/2 BPSK	1	53	20.85	20.99	20.88	22.0
40	PI/2 BPSK	1	104	20.91	20.95	20.91	
40	PI/2 BPSK	50	0	20.30	20.40	20.34	21.5
40	PI/2 BPSK	50	26	20.94	20.97	20.82	22.0
40	PI/2 BPSK	50	56	20.34	20.39	20.34	21.5
40	PI/2 BPSK	100	0	20.38	20.43	20.30	
40	QPSK	1	1	20.99	21.09	20.94	
40	QPSK	1	53	20.80	21.03	20.97	22.0
40	QPSK	1	104	20.92	20.96	20.93	
40	QPSK	50	0	20.02	20.13	19.98	21.0
40	QPSK	50	26	20.94	21.05	20.88	22.0
40	QPSK	50	56	19.88	20.04	19.82	21.0
40	QPSK	100	0	19.94	20.07	20.03	
40	16QAM	1	1	19.90	19.98	19.81	21.0
40	64QAM	1	1	18.57	18.76	18.64	19.5
40	256QAM	1	1	16.52	16.99	16.47	17.5
Channel				637666	641666	645998	Tune-up limit
Frequency (MHz)				3665.02	3624.99	3684.98	MPR (dB)
30	QPSK	1	1	20.87	21.03	20.83	22.0
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3660.03	3624.99	3680	MPR (dB)
20	QPSK	1	1	20.90	20.94	20.79	22.0
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3655	3624.99	3684.98	MPR (dB)
10	QPSK	1	1	20.95	20.99	20.89	22.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.81	22.94	22.91		
100	PI2 BPSK	1	137	22.94	23.02	22.97	24.0	0.0
100	PI2 BPSK	1	271	22.77	22.89	22.77		
100	PI2 BPSK	135	0	22.74	22.90	22.74	24.0	0.0
100	PI2 BPSK	135	69	22.95	22.97	22.93	24.0	0.0
100	PI2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0
100	PI2 BPSK	270	0	22.82	22.92	22.81		
100	QPSK	1	1	22.88	23.06	23.04		
100	QPSK	1	137	22.86	22.86	22.83	24.0	0.0
100	QPSK	1	271	22.97	22.99	22.88		
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0
100	QPSK	135	69	22.92	23.03	22.90	24.0	0.0
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0
100	QPSK	270	0	22.94	22.90	22.77		
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0
100	256QAM	1	1	20.19	20.24	20.19	21.0	3.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.82	22.95	22.94	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	22.75	22.99	22.98	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
50	QPSK	1	1	22.81	22.96	22.99	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
40	QPSK	1	1	22.74	22.99	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
30	QPSK	1	1	22.71	22.98	22.93	24.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.78	23.00	22.97	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	25.68	25.92	25.60		
100	PI2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0
100	PI2 BPSK	1	271	25.88	26.07	26.03		
100	PI2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0
100	PI2 BPSK	135	69	25.85	26.02	25.98	27.0	0.0
100	PI2 BPSK	135	138	25.82	26.05	25.90	27.0	0.0
100	PI2 BPSK	270	0	25.70	25.91	25.87		
100	QPSK	1	1	25.80	26.13	26.08		
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0
100	QPSK	1	271	25.83	26.03	25.87		
100	QPSK	135	0	25.64	25.82	25.76	27.0	0.0
100	QPSK	135	69	25.96	26.10	26.00	27.0	0.0
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0
100	QPSK	270	0	25.77	25.97	25.81		
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5
100	256QAM	1	1	23.19	23.40	23.38	24.5	2.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	25.66	25.97	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
30	QPSK	1	1	25.76	26.06	25.98	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	25.77	25.98	25.96	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			23.24		
100	PI2 BPSK	1	137			23.32	24.0	0.0
100	PI2 BPSK	1	271			23.26		
100	PI2 BPSK	135	0			23.22	24.0	0.0
100	PI2 BPSK	135	69			23.23	24.0	0.0
100	PI2 BPSK	135	138			23.26	24.0	0.0
100	PI2 BPSK	270	0			23.20		
100	QPSK	1	1			23.36		
100	QPSK	1	137			23.28	24.0	0.0
100	QPSK	1	271			23.24		
100	QPSK	135	0			23.24	24.0	0.0
100	QPSK	135	69			23.29	24.0	0.0
100	QPSK	135	138			23.24	24.0	0.0
100	QPSK	270	0			23.23		
100	16QAM	1	1			23.21	24.0	0.0
100	64QAM	1	1			22.32	23.0	1.0
100	256QAM	1	1			20.50	21.0	3.0
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	23.21	23.27	23.17	24.0	0.0
Channel								
Frequency (MHz)				633068	633334	634000		
80	QPSK	1	1	23.28	23.24	23.26	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	23.15	23.27	23.15	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
60	QPSK	1	1	23.20	23.23	23.15	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	633000		
50	QPSK	1	1	23.22	23.32	23.19	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	23.16	23.20	23.17	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	633668		
30	QPSK	1	1	23.24	23.33	23.23	24.0	0.0
Channel								
Frequency (MHz)				630668	633334	633000		
20	QPSK	1	1	23.17	23.26	23.18	24.0	0.0
Channel								
Frequency (MHz)				630334	633334	633668		
15	QPSK	1	1	23.29	23.25	23.13	24.0	0.0
Channel								
Frequency (MHz)				630000	633334	633668		
10	QPSK	1	1	23.21	23.28	23.18	24.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.35			
100	PI2 BPSK	1	271		20.39		27.0	0.0
100	PI2 BPSK	135	0		20.38			
100	PI2 BPSK	135	69		20.33		27.0	0.0
100	PI2 BPSK	135	138		20.29		27.0	0.0
100	PI2 BPSK	270	0		20.35			
100	PI2 BPSK	270	0		20.38		27.0	0.0
100	QPSK	1	1		20.46			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.31		27.0	0.0
100	QPSK	135	0		20.29		27.0	0.0
100	QPSK	135	69		20.35		27.0	0.0
100	QPSK	135	138		20.26		27.0	0.0
100	QPSK	270	0		20.40			
100	16QAM	1	1		20.29		27.0	0.0
100	64QAM	1	1		20.06		26.5	0.5
100	256QAM	1	1		24.11		24.5	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	20.30	20.34	20.43	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.38	20.40	20.29	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.30	20.39	20.29	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.36	20.31	20.34	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631863	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.38	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.42	20.36	20.32	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.32	20.33	20.43	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	20.36	20.38	20.41	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.42	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
10	QPSK	1	1	20.35	20.31	20.34	27.0	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)				3750	3750	3750			
100	PI2 BPSK	1	1		22.85				
100	PI2 BPSK	1	137		22.80		24.0	0.0	
100	PI2 BPSK	1	271		22.74				
100	PI2 BPSK	135	0		22.85		24.0	0.0	
100	PI2 BPSK	135	69		22.73		24.0	0.0	
100	PI2 BPSK	135	138		22.84		24.0	0.0	
100	PI2 BPSK	270	0		22.75		24.0	0.0	
100	QPSK	1	1		22.89				
100	QPSK	1	137		22.81		24.0	0.0	
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.75		23.5	0.5	
100	QPSK	135	69		22.83		24.0	0.0	
100	QPSK	135	138		22.75		23.5	0.5	
100	QPSK	270	0		22.85		22.0	2.0	
100	16QAM	1	1		22.25		22.0	2.0	
100	64QAM	1	1		20.83		22.0	4.0	
100	256QAM	1	1		19.01		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.71	22.84	22.79	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.81	22.73	22.89	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.53	22.79	22.66	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.73	22.80	22.80	24.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.78	22.75	22.73	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.52	22.85	22.87	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.81	22.73	22.74	24.0	0.0
Channel									
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.81	22.83	22.70	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.83	22.73	22.72	24.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.74	22.88	22.72	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.83				
100	PI2 BPSK	1	137		25.82		27.0	0.0	
100	PI2 BPSK	1	271		25.85				
100	PI2 BPSK	135	0		25.90		27.0	0.0	
100	PI2 BPSK	135	69		25.96		27.0	0.0	
100	PI2 BPSK	135	138		25.91		27.0	0.0	
100	PI2 BPSK	270	0		25.87		27.0	0.0	
100	QPSK	1	1		25.97				
100	QPSK	1	137		25.90		27.0	0.0	
100	QPSK	1	271		25.94				
100	QPSK	135	0		25.83		27.0	0.0	
100	QPSK	135	69		25.93		27.0	0.0	
100	QPSK	135	138		25.84		27.0	0.0	
100	QPSK	270	0		25.94		27.0	0.0	
100	16QAM	1	1		25.58		25.5	1.5	
100	64QAM	1	1		24.18		25.5	1.5	
100	256QAM	1	1		22.28		23.5	3.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.83	25.83	25.83	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.83	25.79	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.81	25.85	25.81	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.91	25.85	25.83	27.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.91	25.94	25.83	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.78	25.83	25.81	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		25.85	25.94	25.87	27.0	0.0
Channel									
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		25.92	25.92	25.85	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.78	25.91	25.77	27.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.80	25.91	25.77	27.0	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)					350.01				
100	PI2 BPSK	1	1		23.22				
100	PI2 BPSK	1	137		23.18		24.0	0.0	
100	PI2 BPSK	1	271		23.29				
100	PI2 BPSK	135	0		23.22		24.0	0.0	
100	PI2 BPSK	135	69		23.30		24.0	0.0	
100	PI2 BPSK	135	138		23.29		24.0	0.0	
100	PI2 BPSK	270	0		23.17		24.0	0.0	
100	QPSK	1	1		23.32				
100	QPSK	1	137		23.21		24.0	0.0	
100	QPSK	1	271		23.17				
100	QPSK	135	0		23.18		23.5	0.5	
100	QPSK	135	69		23.23		24.0	0.0	
100	QPSK	135	138		23.17		23.5	0.5	
100	QPSK	270	0		23.26		22.0	2.0	
100	16QAM	1	1		23.13		22.0	2.0	
100	64QAM	1	1		21.58		22.0	4.0	
100	256QAM	1	1		19.48		22.0	4.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.17	23.23	23.18	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.15	23.24	23.21	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.22	23.29	23.14	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.09	23.22	23.19	24.0	0.0
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.10	23.20	23.19	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.22	23.20	23.17	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63566	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		23.15	23.19	23.25	24.0	0.0
Channel									
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		23.24	23.27	23.16	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.23	23.26	23.20	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.14	23.15	23.25	24.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		26.24			
100	PI2 BPSK	1	271		26.33		27.0	0.0
100	PI2 BPSK	135	0		26.28			
100	PI2 BPSK	135	69		26.22		27.0	0.0
100	PI2 BPSK	135	138		26.32		27.0	0.0
100	PI2 BPSK	270	0		26.27		27.0	0.0
100	PI2 BPSK	270	0		26.25			
100	QPSK	1	1		26.38			
100	QPSK	1	137		26.33		27.0	0.0
100	QPSK	1	271		26.22			
100	QPSK	135	0		26.30		27.0	0.0
100	QPSK	135	69		26.35		27.0	0.0
100	QPSK	135	138		26.32		27.0	0.0
100	QPSK	270	0		26.23			
100	16QAM	1	1		26.16		27.0	0.0
100	64QAM	1	1		25.20		25.5	1.5
100	256QAM	1	1		23.16		23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				26.16	26.26	26.22	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
				26.24	26.24	26.24	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				26.22	26.29	26.23	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				26.20	26.26	26.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631800	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				26.26	26.29	26.26	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
				26.18	26.23	26.26	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
				26.24	26.34	26.30	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				26.22	26.27	26.20	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636300	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
				26.18	26.35	26.28	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
				26.25	26.32	26.27	27.0	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)				1660	1680	1690			
20	PI2 BPSK	1	1	21.58	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.60	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.50	19.21	19.29	22.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
Frequency (MHz)				37000	37600	381000			
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	21.32	21.40	21.24	23.0	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)				166800	167300	167800			
20	PI2 BPSK	1	1	21.80	21.86	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.36	22.0	1.0	
Channel									
Frequency (MHz)				162300	162800	163300			
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
Frequency (MHz)				165800	167300	168800			
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
Frequency (MHz)				166300	167300	168300			
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 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)				504000	507000	510000			
40	PI2 BPSK	1	1	22.18	22.23	22.14			
40	PI2 BPSK	1	108	22.07	22.14	22.00	23.0	0.0	
40	PI2 BPSK	1	214	22.06	22.11	21.99			
40	PI2 BPSK	108	0	22.03	22.17	22.10	23.0	0.0	
40	PI2 BPSK	108	54	22.09	22.21	22.13	23.0	0.0	
40	PI2 BPSK	108	108	22.08	22.16	22.04	23.0	0.0	
40	PI2 BPSK	216	0	22.14	22.20	22.16			
40	QPSK	1	1	22.13	22.26	22.21			
40	QPSK	1	108	22.08	22.20	22.17	23.0	0.0	
40	QPSK	1	214	22.11	22.14	22.09			
40	QPSK	108	0	21.97	22.10	21.97	23.0	0.0	
40	QPSK	108	54	22.14	22.17	22.07	23.0	0.0	
40	QPSK	108	108	21.93	22.02	21.94	23.0	0.0	
40	QPSK	216	0	21.94	22.05	22.04			
40	16QAM	1	1	21.69	21.83	21.76	22.0	1.0	
40	64QAM	1	1	21.05	21.09	20.96	22.0	1.0	
40	256QAM	1	1	19.53	19.63	19.86	20.0	3.0	
Channel									
Frequency (MHz)				502000	507000	510000			
30	QPSK	1	1	22.15	22.15	22.11	23.0	0.0	
Channel									
Frequency (MHz)				502500	507000	510500			
25	QPSK	1	1	22.11	22.20	22.14	23.0	0.0	
Channel									
Frequency (MHz)				502000	507000	510000			
20	PI2 BPSK	1	1	22.10	22.13	22.03			
Channel									
Frequency (MHz)				501500	507000	510500			
15	QPSK	1	1	22.07	22.18	22.10	23.0	0.0	
Channel									
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	1	22.11	22.21	22.11	23.0	0.0	
Channel									
Frequency (MHz)				500500	507000	510000			
5	QPSK	1	1	22.13	22.22	22.15	23.0	0.0	



n12 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				706.5	707.5	708.5	
15	PI2 BPSK	1	1	21.82	21.86	21.78	
15	PI2 BPSK	1	40	21.64	21.71	21.60	23.0
15	PI2 BPSK	1	77	21.49	21.59	21.48	
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0
15	PI2 BPSK	36	43	21.64	21.69	21.66	
15	PI2 BPSK	75	0	21.71	21.79	21.70	23.0
15	QPSK	1	1	21.87	21.95	21.82	
15	QPSK	1	40	21.76	21.86	21.74	23.0
15	QPSK	1	77	21.70	21.79	21.67	
15	QPSK	36	0	21.64	21.73	21.60	23.0
15	QPSK	36	22	21.83	21.86	21.79	23.0
15	QPSK	36	43	21.62	21.73	21.64	23.0
15	QPSK	75	0	21.72	21.79	21.74	
15	16QAM	1	1	21.53	21.63	21.52	23.0
15	64QAM	1	1	20.83	20.93	20.89	22.0
15	256QAM	1	1	19.33	19.41	19.29	20.0
Channel							
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	21.82	21.88	21.69	23.0
Channel							
Frequency (MHz)				140390	141950	142700	
5	QPSK	1	1	21.79	21.81	21.72	23.0

n13 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				722			
10	PI2 BPSK	1	1	21.84			
10	PI2 BPSK	1	26	21.79			23.0
10	PI2 BPSK	1	50	21.72			
10	PI2 BPSK	25	0	20.93			22.5
10	PI2 BPSK	25	14	21.88			23.0
10	PI2 BPSK	25	27	21.76			
10	PI2 BPSK	50	0	21.81			22.5
10	QPSK	1	1	21.94			
10	QPSK	1	26	21.87			23.0
10	QPSK	1	50	21.83			
10	QPSK	25	0	20.89			22.0
10	QPSK	25	14	21.89			23.0
10	QPSK	25	27	21.13			22.0
10	QPSK	50	0	21.19			
10	16QAM	1	1	20.71			22.0
10	64QAM	1	1	19.53			20.5
10	256QAM	1	1	18.22			18.5
Channel							
Frequency (MHz)				155500	156000	156500	
5	QPSK	1	1	21.80	21.87	21.61	23.0

n14 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				793			
10	PI2 BPSK	1	1	21.88			
10	PI2 BPSK	1	26	21.90			23.0
10	PI2 BPSK	1	50	21.86			
10	PI2 BPSK	25	0	21.89			23.0
10	PI2 BPSK	25	14	21.95			23.0
10	PI2 BPSK	25	27	21.86			
10	PI2 BPSK	50	0	21.93			23.0
10	QPSK	1	1	22.04			
10	QPSK	1	26	22.01			23.0
10	QPSK	1	50	21.96			
10	QPSK	25	0	21.94			23.0
10	QPSK	25	14	21.99			23.0
10	QPSK	25	27	21.87			23.0
10	QPSK	50	0	21.94			
10	16QAM	1	1	21.88			23.0
10	64QAM	1	1	20.85			22.0
10	256QAM	1	1	19.09			20.0
Channel							
Frequency (MHz)				158100	159000	159900	
5	QPSK	1	1	21.93	21.98	21.91	23.0



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									
				1670	1682.5	1695			
40	PI2 BPSK	1	1	21.59	21.43	21.33	23.0	0.0	
40	PI2 BPSK	1	108	21.32	21.37	21.22			
40	PI2 BPSK	1	214	21.34	21.40	21.28			
40	PI2 BPSK	108	0	21.35	21.39	21.32	23.0	0.0	
40	PI2 BPSK	108	54	21.35	21.45	21.38	23.0	0.0	
40	PI2 BPSK	108	108	21.31	21.34	21.27	23.0	0.0	
40	PI2 BPSK	216	0	21.28	21.38	21.26			
40	QPSK	1	1	21.49	21.52	21.45			
40	QPSK	1	108	21.37	21.48	21.40	23.0	0.0	
40	QPSK	1	214	21.30	21.42	21.34			
40	QPSK	108	0	21.32	21.38	21.29	23.0	0.0	
40	QPSK	108	54	21.42	21.49	21.38	23.0	0.0	
40	QPSK	108	108	21.38	21.41	21.37	23.0	0.0	
40	QPSK	216	0	21.36	21.44	21.33			
40	16QAM	1	1	21.33	21.37	21.28	23.0	0.0	
40	64QAM	1	1	20.32	20.42	20.37	22.0	1.0	
40	256QAM	1	1	19.07	19.13	19.06	23.0	3.0	
Channel									
				1685	1692.5	1700			
30	QPSK	1	1	21.42	21.47	21.35	23.0	0.0	
Channel									
				372500	376500	380500			
25	QPSK	1	1	21.35	21.41	21.38	23.0	0.0	
Channel									
				372000	376500	381000			
20	QPSK	1	1	21.59	21.43	21.33	23.0	0.0	
Channel									
				371500	376500	381500			
15	QPSK	1	1	21.54	21.46	21.34	23.0	0.0	
Channel									
				371000	376500	382000			
10	QPSK	1	1	21.45	21.49	21.36	23.0	0.0	
Channel									
				370500	376500	382500			
5	QPSK	1	1	21.38	21.43	21.38	23.0	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									
				164800	166300	167800			
20	PI2 BPSK	1	1	22.07	22.11	22.02			
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0	
20	PI2 BPSK	1	104	21.85	21.91	21.80			
20	PI2 BPSK	50	0	21.87	21.89	21.88	23.0	0.0	
20	PI2 BPSK	50	28	21.94	22.06	21.94	23.0	0.0	
20	PI2 BPSK	50	56	21.83	21.91	21.81	23.0	0.0	
20	PI2 BPSK	100	0	21.92	22.01	21.95			
20	QPSK	1	1	22.03	22.15	22.04			
20	QPSK	1	53	21.89	22.10	22.07	23.0	0.0	
20	QPSK	1	104	21.91	22.05	21.94			
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0	
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0	
20	QPSK	50	56	21.92	21.99	21.83	23.0	0.0	
20	QPSK	100	0	22.02	22.08	21.94			
20	16QAM	1	1	21.84	21.75	21.69	23.0	0.0	
20	64QAM	1	1	20.86	21.11	21.08	22.0	1.0	
20	256QAM	1	1	19.32	19.41	19.29	23.0	3.0	
Channel									
				165300	166300	167300			
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0	
Channel									
				163800	166300	168800			
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0	
Channel									
				163300	166300	169300			
5	QPSK	1	1	21.95	22.00	21.91	23.0	0.0	

n30 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									
				462000	462000				
10	PI2 BPSK	1	1		23.10				
10	PI2 BPSK	1	26		23.79		23.0	0.0	
10	PI2 BPSK	1	50		23.73				
10	PI2 BPSK	25	0		23.89		23.0	0.0	
10	PI2 BPSK	25	14		23.89		23.0	0.0	
10	PI2 BPSK	25	27		23.88		23.0	0.0	
10	PI2 BPSK	50	0		23.68				
10	QPSK	1	1		23.85				
10	QPSK	1	26		23.81		23.0	0.0	
10	QPSK	1	50		23.74				
10	QPSK	25	0		23.71		23.0	0.0	
10	QPSK	25	14		23.81		23.0	0.0	
10	QPSK	25	27		23.87		23.0	0.0	
10	QPSK	50	0		23.72				
10	16QAM	1	1		23.69		22.0	1.0	
10	64QAM	1	1		20.73		20.0	3.0	
10	256QAM	1	1		18.99		20.0	3.0	
Channel									
				461500	462000	462500			
Channel									
				2307.5	2310	2312.5			
5	QPSK	1	1	21.79	21.78	21.79	23.0	0.0	



n66 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				346000	346000	350000	
Frequency (MHz)				1725	1745	1760	
40	PI2 BPSK	1	1	21.87	21.73	21.61	
40	PI2 BPSK	1	108	21.49	21.61	21.55	23.0
40	PI2 BPSK	1	214	21.58	21.63	21.60	
40	PI2 BPSK	108	0	21.50	21.59	21.48	23.0
40	PI2 BPSK	108	54	21.68	21.70	21.66	23.0
40	PI2 BPSK	108	108	21.50	21.58	21.52	23.0
40	PI2 BPSK	216	0	21.59	21.64	21.52	
40	QPSK	1	1	21.87	21.79	21.74	
40	QPSK	1	108	21.62	21.72	21.63	23.0
40	QPSK	1	214	21.57	21.67	21.54	
40	QPSK	108	0	21.57	21.62	21.57	23.0
40	QPSK	108	54	21.62	21.74	21.60	23.0
40	QPSK	108	108	21.60	21.68	21.55	23.0
40	QPSK	216	0	21.67	21.71	21.64	
40	16QAM	1	1	21.52	21.63	21.52	23.0
40	64QAM	1	1	20.92	20.97	20.93	22.0
40	256QAM	1	1	19.62	19.77	19.65	20.0
Channel				345000	345000	350000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	21.64	21.70	21.60	23.0
Channel				344000	349000	354000	
Frequency (MHz)				1725	1745	1770	
20	QPSK	1	1	21.58	21.67	21.63	23.0
Channel				343000	346000	354000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	21.60	21.73	21.62	23.0
Channel				342000	349000	356000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	21.52	21.71	21.68	23.0

n70 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				346000	346000	350000	
Frequency (MHz)				1725	1745	1760	
15	PI2 BPSK	1	1	21.80			
15	PI2 BPSK	1	40	21.87			23.0
15	PI2 BPSK	1	77	21.82			
15	PI2 BPSK	36	0	21.34			22.5
15	PI2 BPSK	36	22	21.86			23.0
15	PI2 BPSK	36	43	21.26			22.5
15	PI2 BPSK	75	0	21.32			
15	QPSK	1	1	21.95			
15	QPSK	1	40	21.93			23.0
15	QPSK	1	77	21.86			
15	QPSK	36	0	21.35			22.0
15	QPSK	36	22	21.88			23.0
15	QPSK	36	43	21.40			22.0
15	QPSK	75	0	21.32			
15	16QAM	1	1	21.34			22.0
15	64QAM	1	1	19.88			20.5
15	256QAM	1	1	17.62			18.5
Channel				340000	345000	341000	
Frequency (MHz)				1700	1702.5	1705	
10	QPSK	1	1	21.84	21.92	21.81	23.0
Channel				339000	340000	341000	
Frequency (MHz)				1697.5	1702.5	1707.5	
5	QPSK	1	1	21.81	21.88	21.83	23.0



n71 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.07	22.18	22.14		
20	PI2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI2 BPSK	1	104	21.91	22.08	21.99		
20	PI2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI2 BPSK	50	58	22.03	22.07	21.98		
20	PI2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.18	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	58	21.91	22.06	21.98		
20	QPSK	100	0	22.03	22.13	21.95	23.0	0.0
20	16QAM	1	1	21.98	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.98	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.43	19.42	20.0	3.0
Channel				134500	136000	137500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	688		
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	136100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				688.5	680.5	690.5		
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				516004	516000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	22.44	22.46	22.37		
40	PI2 BPSK	1	63	22.27	22.40	22.38	23.0	0.0
40	PI2 BPSK	1	104	22.20	22.29	22.18		
40	PI2 BPSK	80	0	22.39	22.49	22.37	23.0	0.0
40	PI2 BPSK	50	28	22.37	22.44	22.28	23.0	0.0
40	PI2 BPSK	50	56	22.28	22.43	22.32		
40	PI2 BPSK	100	0	22.35	22.38	22.39	23.0	0.0
40	QPSK	1	1	22.45	22.60	22.52		
40	QPSK	1	63	22.38	22.48	22.29	23.0	0.0
40	QPSK	1	104	22.45	22.52	22.44		
40	QPSK	50	0	22.34	22.47	22.45	23.0	0.0
40	QPSK	50	28	22.44	22.53	22.42	23.0	0.0
40	QPSK	80	56	22.31	22.37	22.22	23.0	0.0
40	QPSK	100	0	22.35	22.40	22.37		
40	16QAM	1	1	22.28	22.40	22.33	23.0	0.0
40	64QAM	1	1	20.83	20.97	20.89	21.5	1.5
40	256QAM	1	1	18.11	18.25	18.10	18.5	3.5
Channel				517052	519000	520948		
Frequency (MHz)				2685.01	2695	2694.99		
25	QPSK	1	1	22.38	22.55	22.45	0.0	0.0
Channel				516504	516000	521496		
Frequency (MHz)				2682.83	2695	2697.18		
25	QPSK	1	1	22.37	22.53	22.47	23.0	0.0
Channel				516000	516000	522000		
Frequency (MHz)				2590	2595	2590		
20	QPSK	1	1	22.42	22.53	22.49	23.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.39	22.55	22.49	23.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.38	22.54	22.45	23.0	0.0

n41 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				506002	518598	528600		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	21.92	22.04	21.97		
100	PI2 BPSK	1	137	21.90	21.98	21.89	23.0	0.0
100	PI2 BPSK	1	271	21.88	21.95	21.89		
100	PI2 BPSK	135	0	21.42	21.45	21.38	22.5	0.5
100	PI2 BPSK	135	69	21.98	22.02	21.88	23.0	0.0
100	PI2 BPSK	135	138	21.37	21.49	21.41	22.5	0.5
100	PI2 BPSK	270	0	21.31	21.40	21.36		
100	QPSK	1	1	21.98	22.07	22.03		
100	QPSK	1	137	21.95	22.01	21.87	23.0	0.0
100	QPSK	1	271	21.88	21.92	21.86		
100	QPSK	135	0	20.01	21.06	20.90	22.0	1.0
100	QPSK	135	69	21.94	22.02	21.99	23.0	0.0
100	QPSK	135	138	20.86	20.89	20.78	22.0	1.0
100	QPSK	270	0	20.78	20.95	20.87		
100	16QAM	1	1	20.81	20.96	20.80	22.0	1.0
100	64QAM	1	1	18.19	18.32	18.28	20.5	2.5
100	256QAM	1	1	17.45	17.52	17.41	18.5	4.5
Channel				510500	518598	529596		
Frequency (MHz)				2641	2692.99	2644.98		
90	QPSK	1	1	21.93	22.04	21.99	23.0	0.0
Channel				507204	518598	529596		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	21.95	21.95	21.90	23.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2631.01	2692.99	2665		
70	QPSK	1	1	21.89	22.00	21.90	23.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2626	2692.99	2669.98		
60	QPSK	1	1	21.86	22.00	21.83	23.0	0.0
Channel				504204	518598	532996		
Frequency (MHz)				2621.02	2692.99	2664.99		
50	QPSK	1	1	21.88	21.98	21.88	23.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2616.01	2692.99	2660		
40	QPSK	1	1	21.92	21.97	21.89	23.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2692.99	2674.98		
30	QPSK	1	1	21.95	22.01	21.82	23.0	0.0
Channel				501204	518598	535996		
Frequency (MHz)				2506.02	2692.99	2678.99		
20	QPSK	1	1	21.87	21.92	21.92	23.0	0.0



n41 PC2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	2517	2521	2509			
100	PI/2 BPSK	1	137	2507	2517	2504	26.0	0.0	
100	PI/2 BPSK	1	271	2500	2511	2502			
100	PI/2 BPSK	135	0	2490	2502	2495	26.0	0.0	
100	PI/2 BPSK	135	69	2503	2514	2508	26.0	0.0	
100	PI/2 BPSK	135	138	2497	2507	2495	26.0	0.0	
100	PI/2 BPSK	270	0	2503	2511	2500			
100	QPSK	1	1	2525	2528	2516			
100	QPSK	1	197	2516	2520	2508	26.0	0.0	
100	QPSK	1	231	2500	2513	2507			
100	QPSK	135	0	2453	2468	2461	25.5	0.5	
100	QPSK	135	69	2521	2523	2512	26.0	0.0	
100	QPSK	135	138	2480	2471	2456	25.5	0.5	
100	QPSK	270	0	2454	2466	2458			
100	16QAM	1	1	2447	2461	2450	25.5	0.5	
100	64QAM	1	1	2283	2304	2291	24.0	2.0	
100	256QAM	1	1	2038	2104	2090	22.0	4.0	
Channel				506203	518599	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	2514	2515	2503	26.0	0.0	
Channel				507294	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2528.02	2592.99	2644.98			
80	QPSK	1	1	2518	2514	2505	26.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	2521	2518	2503	25.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	2522	2522	2502	26.0	0.0	
Channel				505203	518599	532000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	2517	2517	2510	26.0	0.0	
Channel				505202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	2515	2525	2503	26.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	2520	2514	2501	26.0	0.0	
Channel				501203	518599	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	2516	2521	2501	26.0	0.0	

n48 Part96 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				3270	3234.99	3293.98			
40	PI/2 BPSK	1	1	2305	2305	2303			
40	PI/2 BPSK	1	53	2303	2302	2305	24.0	0.0	
40	PI/2 BPSK	1	104	2349	2352	2345			
40	PI/2 BPSK	50	0	2328	2335	2323	23.5	0.5	
40	PI/2 BPSK	50	26	2303	2307	2306	24.0	0.0	
40	PI/2 BPSK	50	56	2314	2318	2314	23.5	0.5	
40	PI/2 BPSK	100	0	2314	2322	2322			
40	QPSK	1	1	2305	2313	2306			
40	QPSK	1	53	2304	2302	2300	24.0	0.0	
40	QPSK	1	104	2341	2341	2341			
40	QPSK	50	0	2285	2282	2284	23.0	1.0	
40	QPSK	50	26	2300	2310	2307	24.0	0.0	
40	QPSK	50	56	2287	2289	2284	23.0	1.0	
40	QPSK	100	0	2283	2282	2271			
40	16QAM	1	1	2258	2267	2258	23.0	1.0	
40	64QAM	1	1	2103	2118	2109	21.5	2.5	
40	256QAM	1	1	1817	1838	1826	18.5	4.5	
Channel				636003	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3265.02	3234.99	3293.98			
30	QPSK	1	1	2316	2322	2303	24.0	0.0	
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3260.03	3234.99	3290			
20	QPSK	1	1	2316	2319	2305	24.0	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3255	3234.99	3294.98			
10	QPSK	1	1	2316	2325	2305	24.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.79	22.90	22.78		
100	Pl2 BPSK	1	137	22.68	22.75	22.82	24.0	0.0
100	Pl2 BPSK	1	271	22.83	22.78	22.65		
100	Pl2 BPSK	135	0	22.27	22.32	22.26	23.5	0.5
100	Pl2 BPSK	135	69	22.76	22.86	22.78	24.0	0.0
100	Pl2 BPSK	135	138	22.34	22.36	22.19	23.5	0.5
100	Pl2 BPSK	270	0	22.34	22.37	22.35		
100	QPSK	1	1	22.89	22.95	22.89		
100	QPSK	1	137	22.89	22.84	22.81	24.0	0.0
100	QPSK	1	271	22.68	22.76	22.67		
100	QPSK	135	0	21.90	22.10	22.00	23.0	1.0
100	QPSK	135	69	22.73	22.81	22.78	24.0	0.0
100	QPSK	135	138	21.89	22.11	21.94	23.0	1.0
100	QPSK	270	0	22.01	22.02	21.93		
100	16QAM	1	1	21.95	21.98	21.83	23.0	1.0
100	64QAM	1	1	20.32	20.40	20.38	21.5	2.5
100	256QAM	1	1	18.58	18.72	18.68	19.5	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.78	22.87	22.86	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	22.73	22.88	22.72	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.78	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	22.84	22.91	22.83	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3955.01		
Channel								
Frequency (MHz)				647151	650000	656668		
20	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)				647160	650000	656334		
15	QPSK	1	1	22.84	22.88	22.79	24.0	0.0
Channel								
Frequency (MHz)				647000	650000	656000		
10	QPSK	1	1	22.92	22.92	22.78	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.78	25.79	25.78		
100	Pl2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0
100	Pl2 BPSK	1	271	25.86	25.72	25.56		
100	Pl2 BPSK	135	0	25.84	25.59	25.61	27.0	0.0
100	Pl2 BPSK	135	69	25.86	25.79	25.81	27.0	0.0
100	Pl2 BPSK	135	138	25.63	25.70	25.86	27.0	0.0
100	Pl2 BPSK	270	0	25.58	25.76	25.63		
100	QPSK	1	1	25.85	25.96	25.83		
100	QPSK	1	137	25.81	25.75	25.75	27.0	0.0
100	QPSK	1	271	25.59	25.75	25.71		
100	QPSK	135	0	25.24	25.38	25.40	26.5	0.5
100	QPSK	135	69	25.84	25.88	25.81	27.0	0.0
100	QPSK	135	138	25.12	25.33	25.15	26.5	0.5
100	QPSK	270	0	25.26	25.38	25.24		
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5
100	64QAM	1	1	23.83	23.75	23.52	25.0	2.0
100	256QAM	1	1	21.00	21.98	21.77	23.0	4.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0
Channel								
Frequency (MHz)				648334	650000	652668		
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	25.70	25.87	25.69	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	25.79	25.80	25.87	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3955.01		
Channel								
Frequency (MHz)				647151	650000	656668		
20	QPSK	1	1	25.88	25.92	25.75	27.0	0.0
Channel								
Frequency (MHz)				647160	650000	656334		
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0
Channel								
Frequency (MHz)				647000	650000	656000		
10	QPSK	1	1	25.80	25.87	25.72	27.0	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)						3500.01		
100	Pl2 BPSK	1	1			22.41		
100	Pl2 BPSK	1	137			23.32	24.0	0.0
100	Pl2 BPSK	1	271			23.26		
100	Pl2 BPSK	135	0			22.88	23.5	0.5
100	Pl2 BPSK	135	69			23.08	24.0	0.0
100	Pl2 BPSK	135	138			22.81	23.5	0.5
100	Pl2 BPSK	270	0			22.74		
100	QPSK	1	1			23.45		
100	QPSK	1	137			23.30	24.0	0.0
100	QPSK	1	271			23.35		
100	QPSK	135	0			23.43	23.0	1.0
100	QPSK	135	69			23.22	24.0	0.0
100	QPSK	135	138			22.56	23.0	1.0
100	QPSK	270	0			22.53		
100	16QAM	1	1			22.15	21.5	2.5
100	64QAM	1	1			20.84	19.5	4.5
100	256QAM	1	1			18.96	18.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	23.29	23.30	23.31	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	23.29	23.39	23.29	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	23.34	23.38	23.34	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000		
50	QPSK	1	1	23.31	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	23.32	23.29	23.33	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	3465	3500.01	3535.01		
Channel								
Frequency (MHz)				630668	633334	636000		
20	QPSK	1	1	23.35	23.34	23.36	24.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334		
15	QPSK	1	1	23.40	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)				630000	633334	636668		
10	QPSK	1	1	23.35	23.32	23.41	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.54			
100	PI2 BPSK	1	271		20.32		27.0	0.0
100	PI2 BPSK	135	0		20.51			
100	PI2 BPSK	135	69		20.34		27.0	0.0
100	PI2 BPSK	135	138		20.44		27.0	0.0
100	PI2 BPSK	270	0		20.18		27.0	0.0
100	PI2 BPSK	270	0		20.27			
100	QPSK	1	1		20.00			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.30		27.0	0.0
100	QPSK	135	0		20.58		26.5	0.5
100	QPSK	135	69		20.42		27.0	0.0
100	QPSK	135	138		20.90		26.5	0.5
100	QPSK	270	0		20.15		27.0	0.0
100	16QAM	1	1		20.02		26.5	0.5
100	64QAM	1	1		24.61		25.0	2.0
100	256QAM	1	1		22.46		23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	20.47	20.46	20.58	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.48	20.58	20.53	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.50	20.51	20.49	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.56	20.47	20.56	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631803	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.48	20.45	20.43	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.54	20.51	20.51	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.56	20.52	20.53	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	20.58	20.57	20.56	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	633100	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.57	20.58	20.54	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	20.50	20.45	20.55	27.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.90				
100	PI2 BPSK	1	137		22.85		24.0	0.0	
100	PI2 BPSK	1	271		22.81				
100	PI2 BPSK	135	0		22.33		23.5	0.5	
100	PI2 BPSK	135	69		22.86		24.0	0.0	
100	PI2 BPSK	135	138		22.32		23.5	0.5	
100	PI2 BPSK	270	0		22.40				
100	QPSK	1	1		22.91		24.0	0.0	
100	QPSK	1	137		22.82				
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.05		23.0	1.0	
100	QPSK	135	69		22.82		24.0	0.0	
100	QPSK	135	138		21.90		23.0	1.0	
100	QPSK	270	0		21.93				
100	16QAM	1	1		21.71		21.5	2.5	
100	64QAM	1	1		20.36		19.5	4.5	
100	256QAM	1	1		18.03		17.5	4.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Channel				3745.02	3750	3765.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.77	22.87	22.86	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
Channel				3749.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.88	22.85	22.86	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Channel				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.83	22.80	22.82	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Channel				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.87	22.78	22.86	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65168	Tune-up limit (dBm)	MPR (dB)	
Channel				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.77	22.77	22.87	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Channel				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.84	22.80	22.77	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Channel				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.58	22.78	22.76	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65268	Tune-up limit (dBm)	MPR (dB)	
Channel				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.80	22.84	22.85	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Channel				3707.50	3750	3792.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.77	22.79	22.84	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Channel				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.90	22.75	22.86	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.90				
100	PI2 BPSK	1	137		25.74		27.0	0.0	
100	PI2 BPSK	1	271		25.70				
100	PI2 BPSK	135	0		25.79		27.0	0.0	
100	PI2 BPSK	135	69		25.87		27.0	0.0	
100	PI2 BPSK	135	138		25.75		27.0	0.0	
100	PI2 BPSK	270	0		25.78				
100	QPSK	1	1		25.94		27.0	0.0	
100	QPSK	1	137		25.86				
100	QPSK	1	271		25.89				
100	QPSK	135	0		25.64		26.5	0.5	
100	QPSK	135	69		25.88		27.0	0.0	
100	QPSK	135	138		25.40		26.5	0.5	
100	QPSK	270	0		25.92				
100	16QAM	1	1		25.40		25.0	0.5	
100	64QAM	1	1		23.91		23.0	2.0	
100	256QAM	1	1		22.07		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Channel				3745.02	3750	3765.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.88	25.80	25.82	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
Channel				3749.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.90	25.91	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Channel				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.88	25.79	25.82	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Channel				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.85	25.80	25.78	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65168	Tune-up limit (dBm)	MPR (dB)	
Channel				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.77	25.78	25.84	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Channel				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.80	25.80	25.79	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Channel				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		25.34	25.78	25.85	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65268	Tune-up limit (dBm)	MPR (dB)	
Channel				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		25.86	25.89	25.78	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Channel				3707.50	3750	3792.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.77	25.91	25.88	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Channel				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.83	25.87	25.87	27.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		23.30				
100	PI2 BPSK	1	137		23.29		24.0	0.0	
100	PI2 BPSK	1	271		23.46				
100	PI2 BPSK	135	0		23.09		23.5	0.5	
100	PI2 BPSK	135	69		23.33		24.0	0.0	
100	PI2 BPSK	135	138		22.99		23.5	0.5	
100	PI2 BPSK	270	0		23.12				
100	QPSK	1	1		23.41		24.0	0.0	
100	QPSK	1	137		23.19				
100	QPSK	1	271		23.35				
100	QPSK	135	0		22.71		23.0	1.0	
100	QPSK	135	69		23.40		24.0	0.0	
100	QPSK	135	138		22.81		23.0	1.0	
100	QPSK	270	0		22.96				
100	16QAM	1	1		22.37		21.5	2.5	
100	64QAM	1	1		21.25		19.5	4.5	
100	256QAM	1	1		18.31		17.5	4.5	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
Channel				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.37	23.29	23.28	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
Channel				3495.02	3500.01	3505	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.28	23.34	23.28	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
Channel				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.34	23.39	23.25	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
Channel				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.32	23.34	23.39	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
Channel				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.35	23.33	23.32	24.0	0.0
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
Channel				3475.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.27	23.26	23.39	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
Channel				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		23.25	23.34	23.24	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
Channel				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		23.33	23.34	23.28	24.0	0.0
Channel									
Frequency (MHz)				63030	63334	63634	Tune-up limit (dBm)	MPR (dB)	
Channel				3457.5	3500.01	3542.50	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.28	23.31			



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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		3500.01			
					26.43			
100	PI2 BPSK	1	137		26.12		27.0	0.0
100	PI2 BPSK	1	271		26.39			
100	PI2 BPSK	135	0		26.23		27.0	0.0
100	PI2 BPSK	135	69		26.00		27.0	0.0
100	PI2 BPSK	135	138		26.12		27.0	0.0
100	PI2 BPSK	270	0		25.96			
100	QPSK	1	1		26.51			
100	QPSK	1	137		26.27		27.0	0.0
100	QPSK	1	271		26.40			
100	QPSK	135	0		26.81		26.5	0.5
100	QPSK	135	69		26.30		27.0	0.0
100	QPSK	135	138		25.89		26.5	0.5
100	QPSK	270	0		25.95			
100	16QAM	1	1		25.76		26.5	0.5
100	64QAM	1	1		24.17		25.0	2.0
100	256QAM	1	1		22.12		23.0	4.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	26.47	26.36	26.41	27.0	0.0
Channel								
Frequency (MHz)								
				63668	63334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3510		
80	QPSK	1	1	26.41	26.40	26.45	27.0	0.0
Channel								
Frequency (MHz)								
				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.47	26.41	26.37	27.0	0.0
Channel								
Frequency (MHz)								
				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	26.35	26.37	26.47	27.0	0.0
Channel								
Frequency (MHz)								
				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	26.49	26.48	26.48	27.0	0.0
Channel								
Frequency (MHz)								
				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
				3478.01	3500.01	3528.01		
40	QPSK	1	1	26.41	26.43	26.47	27.0	0.0
Channel								
Frequency (MHz)								
				63100	63334	63668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	26.34	26.47	26.42	27.0	0.0
Channel								
Frequency (MHz)								
				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	26.47	26.44	26.41	27.0	0.0
Channel								
Frequency (MHz)								
				63030	63334	63618	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.5		
15	QPSK	1	1	26.45	26.49	26.47	27.0	0.0
Channel								
Frequency (MHz)								
				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3543.01		
10	QPSK	1	1	26.36	26.47	26.43	27.0	0.0



n2 DSI2_Standalone Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				370000	376000	380000			
Frequency (MHz)									
20	PI2 BPSK	1	1	18.47	18.58	18.55			
20	PI2 BPSK	1	53	18.43	18.55	18.44	19.7	0.0	
20	PI2 BPSK	1	104	18.41	18.53	18.46			
20	PI2 BPSK	50	0	18.44	18.51	18.41	19.7	0.0	
20	PI2 BPSK	50	28	18.42	18.52	18.47	19.7	0.0	
20	PI2 BPSK	50	56	18.43	18.50	18.36	19.7	0.0	
20	PI2 BPSK	100	0	18.50	18.53	18.47			
20	QPSK	1	1	18.54	18.61	18.54			
20	QPSK	1	53	18.34	18.41	18.30	19.7	0.0	
20	QPSK	1	104	18.35	18.44	18.38			
20	QPSK	50	0	18.43	18.48	18.46	19.7	0.0	
20	QPSK	50	28	18.41	18.52	18.41	19.7	0.0	
20	QPSK	50	56	18.38	18.48	18.44	19.7	0.0	
20	QPSK	100	0	18.36	18.50	18.35			
20	16QAM	1	1	18.37	18.45	18.32	19.7	0.0	
20	64QAM	1	1	18.12	18.24	18.16	19.7	0.0	
20	256QAM	1	1	17.52	17.68	17.58	13.7	1.0	
Channel									
				373000	379000	385000			
Frequency (MHz)									
15	QPSK	1	1	18.48	18.50	18.52	19.7	0.0	
Channel									
				371000	376000	381000			
Frequency (MHz)									
10	QPSK	1	1	18.40	18.52	18.42	19.7	0.0	
Channel									
				370000	376000	381000			
Frequency (MHz)									
5	QPSK	1	1	18.49	18.50	18.42	19.7	0.0	

n5 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	22.58	22.62	22.53			
20	PI2 BPSK	1	53	22.42	22.53	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.44	22.50	22.38			
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.55	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0	
20	QPSK	100	0	22.47	22.56	22.51			
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.0	
20	256QAM	1	1	21.71	21.81	21.73	22.0	2.0	
Channel									
				163000	163000	163000			
Frequency (MHz)									
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel									
				165800	167300	168800			
Frequency (MHz)									
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel									
				166800	167300	168300			
Frequency (MHz)									
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 DSI2_Standalone Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
40	PI2 BPSK	1	1	12.46	12.53	12.35			
40	PI2 BPSK	1	108	12.32	12.47	12.43	13.7	0.0	
40	PI2 BPSK	1	214	12.43	12.48	12.42			
40	PI2 BPSK	108	0	12.44	12.43	12.35	13.7	0.0	
40	PI2 BPSK	108	54	12.35	12.41	12.32	13.7	0.0	
40	PI2 BPSK	108	108	12.39	12.51	12.43			
40	PI2 BPSK	216	0	12.28	12.43	12.32			
40	QPSK	1	1	12.36	12.57	12.36			
40	QPSK	1	108	12.44	12.48	12.48	13.7	0.0	
40	QPSK	1	214	12.33	12.48	12.33			
40	QPSK	108	0	12.30	12.38	12.31	13.7	0.0	
40	QPSK	108	54	12.35	12.46	12.43	13.7	0.0	
40	QPSK	108	108	12.32	12.44	12.28	13.7	0.0	
40	QPSK	216	0	12.38	12.42	12.38			
40	16QAM	1	1	12.31	12.47	12.32	13.7	0.0	
40	64QAM	1	1	12.37	12.49	12.35	13.7	0.0	
40	256QAM	1	1	12.38	12.44	12.31	13.7	0.0	
Channel									
				503000	503000	510000			
Frequency (MHz)									
30	QPSK	1	1	12.15	12.35	12.36	13.7	0.0	
Channel									
				502500	507000	511500			
Frequency (MHz)									
25	QPSK	1	1	12.23	12.35	12.36	13.7	0.0	
Channel									
				502000	507000	512000			
Frequency (MHz)									
20	PI2 BPSK	1	1	12.19	12.33	12.39	13.7	0.0	
Channel									
				501500	507000	512500			
Frequency (MHz)									
15	QPSK	1	1	12.15	12.41	12.40	13.7	0.0	
Channel									
				501000	503000	513000			
Frequency (MHz)									
10	QPSK	1	1	12.22	12.33	12.40	13.7	0.0	
Channel									
				500500	507000	513500			
Frequency (MHz)									
5	QPSK	1	1	12.19	12.40	12.37	13.7	0.0	



n25 DSI2_Standalone Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	18.30	18.62	18.50	
40	PI2 BPSK	1	108	18.47	18.56	18.40	19.7
40	PI2 BPSK	1	214	18.61	18.65	18.53	
40	PI2 BPSK	108	0	18.45	18.57	18.43	19.7
40	PI2 BPSK	108	54	18.54	18.66	18.61	19.7
40	PI2 BPSK	108	108	18.45	18.61	18.55	
40	PI2 BPSK	216	0	18.51	18.54	18.47	19.7
40	QPSK	1	1	18.57	18.68	18.66	
40	QPSK	1	108	18.47	18.57	18.49	19.7
40	QPSK	1	214	18.69	18.52	18.41	
40	QPSK	108	0	18.40	18.53	18.49	19.7
40	QPSK	108	54	18.60	18.65	18.58	19.7
40	QPSK	108	108	18.40	18.56	18.46	19.7
40	QPSK	216	0	18.49	18.57	18.47	19.7
40	16QAM	1	1	18.55	18.60	18.55	19.7
40	64QAM	1	1	18.45	18.52	18.39	19.7
40	256QAM	1	1	17.51	17.62	17.26	19.7
Channel							
Frequency (MHz)							
30	QPSK	1	1	18.49	18.66	18.57	19.7
Channel							
Frequency (MHz)							
25	QPSK	1	1	18.54	18.60	18.57	19.7
Channel							
Frequency (MHz)							
20	QPSK	1	1	18.43	18.59	18.62	19.7
Channel							
Frequency (MHz)							
15	QPSK	1	1	18.43	18.45	18.42	19.7
Channel							
Frequency (MHz)							
10	QPSK	1	1	18.52	18.63	18.62	19.7
Channel							
Frequency (MHz)							
5	QPSK	1	1	18.54	18.59	18.56	19.7

n30 DSI2_Standalone Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1	14.48			
10	PI2 BPSK	1	26	14.43			15.6
10	PI2 BPSK	1	50	14.33			
10	PI2 BPSK	25	0	14.38			15.6
10	PI2 BPSK	25	14	14.45			15.6
10	PI2 BPSK	25	27	14.40			
10	PI2 BPSK	50	0	14.41			15.6
10	QPSK	1	1	14.50			
10	QPSK	1	26	14.40			15.6
10	QPSK	1	50	14.42			
10	QPSK	25	0	14.33			15.6
10	QPSK	25	14	14.47			15.6
10	QPSK	25	27	14.43			15.6
10	QPSK	50	0	14.35			15.6
10	16QAM	1	1	14.42			15.6
10	64QAM	1	1	14.44			15.6
10	256QAM	1	1	14.24			15.6
Channel							
Frequency (MHz)							
5	QPSK	1	1	14.35	14.40	14.46	15.6

n66 DSI2_Standalone Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	20.47	20.57	20.49	
40	PI2 BPSK	1	108	20.33	20.42	20.29	21.0
40	PI2 BPSK	1	214	20.33	20.36	20.29	
40	PI2 BPSK	108	0	20.24	20.35	20.32	21.0
40	PI2 BPSK	108	54	20.23	20.37	20.30	21.0
40	PI2 BPSK	108	108	20.32	20.42	20.39	
40	PI2 BPSK	216	0	20.23	20.34	20.21	21.0
40	QPSK	1	1	20.46	20.59	20.56	
40	QPSK	1	108	20.27	20.44	20.29	21.0
40	QPSK	1	214	20.23	20.36	20.24	
40	QPSK	108	0	20.30	20.34	20.21	21.0
40	QPSK	108	54	20.46	20.50	20.39	21.0
40	QPSK	108	108	20.30	20.39	20.30	21.0
40	QPSK	216	0	20.29	20.40	20.41	
40	16QAM	1	1	20.27	20.42	20.30	21.0
40	64QAM	1	1	20.10	20.22	20.13	21.0
40	256QAM	1	1	19.12	19.23	19.20	21.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.41	20.52	20.46	21.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.39	20.43	20.46	21.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.34	20.45	20.52	21.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.32	20.43	20.50	21.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	20.35	20.45	20.47	21.0



n70 DSI2_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq. 340500	Power High Ch. / Freq.		
Channel				1702.5				
Frequency (MHz)								
15	PI2 BPSK	1	1	21.11			22.4	0.0
15	PI2 BPSK	1	49	21.11				
15	PI2 BPSK	1	77	21.03				
15	PI2 BPSK	36	0	21.12			22.4	0.0
15	PI2 BPSK	36	22	21.09			22.4	0.0
15	PI2 BPSK	36	43	21.08			22.4	0.0
15	PI2 BPSK	75	0	21.05				
15	QPSK	1	1	21.15				
15	QPSK	1	49	21.03			22.4	0.0
15	QPSK	1	77	21.05				
15	QPSK	36	0	21.06			22.0	0.4
15	QPSK	36	22	21.09			22.4	0.0
15	QPSK	36	43	20.96			22.0	0.4
15	QPSK	72	0	21.14				
15	16QAM	1	1	21.08			22.0	0.4
15	64QAM	1	1	19.76			20.5	1.9
15	256QAM	1	1	17.67			18.5	3.3
Channel				340200	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.02	21.03	20.99	22.4	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.01	21.08	21.02	22.4	0.0



n38 DS12_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	13.94	14.11	13.95			
40	PI2 BPSK	1	33	14.08	14.13	14.13	14.9	0.0	
40	PI2 BPSK	1	104	13.97	13.98	13.80			
40	PI2 BPSK	80	0	14.13	14.04	14.02	14.9	0.0	
40	PI2 BPSK	50	28	14.02	14.07	14.10	14.9	0.0	
40	PI2 BPSK	50	56	14.01	14.18	14.02	14.9	0.0	
40	PI2 BPSK	100	0	14.00	14.10	14.03			
40	QPSK	1	1	14.14	14.21	14.13			
40	QPSK	1	53	13.94	13.98	13.98	14.9	0.0	
40	QPSK	1	104	14.01	14.16	13.93			
40	QPSK	50	0	13.93	14.09	13.82	14.9	0.0	
40	QPSK	50	28	14.12	14.23	14.00	14.9	0.0	
40	QPSK	90	56	14.00	14.06	14.04	14.9	0.0	
40	QPSK	100	0	14.08	14.10	13.97			
40	16QAM	1	1	13.95	14.04	13.98	14.9	0.0	
40	64QAM	1	1	14.04	14.13	14.05	14.9	0.0	
40	256QAM	1	1	13.92	14.00	13.82	14.9	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2585	2584.99			
30	QPSK	1	1	14.08	14.12	14.04	14.9	0.0	
Channel				516504	519000	521498			
Frequency (MHz)				2582.82	2585	2587.88			
25	QPSK	1	1	14.05	14.17	14.05	14.9	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2590			
20	QPSK	1	1	14.05	14.10	14.05	14.9	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2585	2582.49			
15	QPSK	1	1	14.08	14.14	14.07	14.9	0.0	
Channel				515004	519000	522998			
Frequency (MHz)				2575.02	2585	25814.98			
10	QPSK	1	1	14.05	14.18	14.05	14.9	0.0	

n41 DS12_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518598	528000			
Frequency (MHz)				2540.01	2522.99	2540			
100	PI2 BPSK	1	1	13.96	14.08	14.01			
100	PI2 BPSK	1	137	14.15	14.09	14.12	14.9	0.0	
100	PI2 BPSK	1	271	13.94	14.01	13.87			
100	PI2 BPSK	135	0	14.13	14.11	14.04	14.9	0.0	
100	PI2 BPSK	135	69	14.04	14.09	14.05	14.9	0.0	
100	PI2 BPSK	135	138	14.01	14.12	13.98	14.9	0.0	
100	PI2 BPSK	270	0	14.00	14.07	14.04			
100	QPSK	1	1	14.11	14.22	14.10			
100	QPSK	1	137	13.97	14.02	13.98	14.9	0.0	
100	QPSK	1	271	13.99	14.13	13.95			
100	QPSK	135	0	13.98	14.05	13.85	14.9	0.0	
100	QPSK	135	69	14.10	14.16	13.94	14.9	0.0	
100	QPSK	135	138	13.98	14.08	14.07	14.9	0.0	
100	QPSK	270	0	14.09	14.11	13.98			
100	16QAM	1	1	13.96	14.04	13.98	14.9	0.0	
100	64QAM	1	1	14.06	14.15	14.01	14.9	0.0	
100	256QAM	1	1	13.90	14.04	13.80	14.9	0.0	
Channel				505000	518598	526998			
Frequency (MHz)				2541	2522.99	2544.98			
90	QPSK	1	1	14.08	14.09	13.96	14.9	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2538.02	2522.99	2548.99			
80	QPSK	1	1	14.05	14.16	13.97	14.9	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2522.99	2565			
70	QPSK	1	1	14.03	14.15	14.05	14.9	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2528	2522.99	2569.98			
60	QPSK	1	1	14.09	14.09	14.08	14.9	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2522.99	2564.99			
50	QPSK	1	1	14.03	14.13	14.03	14.9	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2518.01	2522.99	2560			
40	QPSK	1	1	14.05	14.14	14.02	14.9	0.0	
Channel				502200	518598	534998			
Frequency (MHz)				2511	2522.99	2574.98			
30	QPSK	1	1	14.02	14.07	14.00	14.9	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2522.99	2579.99			
20	QPSK	1	1	14.08	14.17	13.98	14.9	0.0	



n41 PC2 DSI2_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	516598	526994			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	16.55	16.74	16.84			
100	PI2 BPSK	1	137	16.69	16.73	16.84	17.9	0.0	
100	PI2 BPSK	1	271	16.71	16.68	16.55			
100	PI2 BPSK	135	0	16.60	16.77	16.63	17.9	0.0	
100	PI2 BPSK	135	69	16.72	16.76	16.71	17.9	0.0	
100	PI2 BPSK	135	138	16.60	16.75	16.69	17.9	0.0	
100	PI2 BPSK	270	0	16.75	16.76	16.62			
100	QPSK	1	1	16.73	16.87	16.74			
100	QPSK	1	137	16.56	16.81	16.66	17.9	0.0	
100	QPSK	1	271	16.55	16.68	16.62			
100	QPSK	135	0	16.56	16.71	16.64	17.9	0.0	
100	QPSK	135	69	16.72	16.85	16.67	17.9	0.0	
100	QPSK	135	138	16.63	16.72	16.75	17.9	0.0	
100	QPSK	270	0	16.71	16.91	16.67			
100	16QAM	1	1	16.60	16.78	16.70	17.9	0.0	
100	16QAM	1	1	16.68	16.66	16.84	17.9	0.0	
100	256QAM	1	1	16.53	16.66	16.46	17.9	0.0	
Channel				506203	516599	526995	Tune-up limit	MPR	
Frequency (MHz)				2641	2592.99	2644.98			
80	QPSK	1	1	16.64	16.86	16.84	17.9	0.0	
Channel				507204	516598	526998	Tune-up limit	MPR	
Frequency (MHz)				2628.02	2592.99	2640.98			
80	QPSK	1	1	16.68	16.83	16.83	17.9	0.0	
Channel				506202	516598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	16.59	16.81	16.73	17.9	0.0	
Channel				505200	516598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	16.62	16.78	16.62	17.9	0.0	
Channel				505203	516599	532000	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	16.61	16.76	16.66	17.9	0.0	
Channel				505202	516598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	16.69	16.86	16.70	17.9	0.0	
Channel				502200	516598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.68	16.74	16.63	17.9	0.0	
Channel				501203	516598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.62	16.82	16.73	17.9	0.0	

n48 Part96 DSI2_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				3570	3524.99	3579.98			
40	PI2 BPSK	1	1	16.60	17.02	16.96			
40	PI2 BPSK	1	53	16.94	17.01	16.89	18.5	0.0	
40	PI2 BPSK	1	104	16.80	16.95	16.85			
40	PI2 BPSK	50	0	16.78	16.92	16.90	18.5	0.0	
40	PI2 BPSK	50	26	16.94	17.03	16.91	18.5	0.0	
40	PI2 BPSK	50	66	16.94	17.06	16.91	18.5	0.0	
40	PI2 BPSK	100	0	16.91	17.05	16.96			
40	QPSK	1	1	17.02	17.17	17.05			
40	QPSK	1	53	17.04	17.06	16.91	18.5	0.0	
40	QPSK	1	104	17.03	17.06	16.94			
40	QPSK	50	0	16.96	17.00	16.95	18.5	0.0	
40	QPSK	50	26	16.96	17.07	16.98	18.5	0.0	
40	QPSK	50	56	16.94	17.04	16.90	18.5	0.0	
40	QPSK	100	0	16.95	16.92	16.90			
40	16QAM	1	1	16.98	17.05	16.97	18.5	0.0	
40	16QAM	1	1	16.96	17.03	16.86	18.5	0.0	
40	256QAM	1	1	16.62	16.96	16.90	18.5	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3565.02	3524.99	3584.98			
30	QPSK	1	1	16.96	17.12	16.97	18.5	0.0	
Channel				637334	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3560.03	3524.99	3580			
20	QPSK	1	1	16.98	17.11	16.99	18.5	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3555	3524.99	3584.98			
10	QPSK	1	1	16.95	17.10	17.00	18.5	0.0	



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 650000	Power Middle Ch. F.Freq. 656000	Power High Ch. F.Freq. 663000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	15.95	16.03	15.96		
100	PI2 BPSK	1	137	15.96	16.12	16.00	17.2	0.0
100	PI2 BPSK	1	271	16.07	16.13	15.99		
100	PI2 BPSK	135	0	15.99	16.10	15.96	17.2	0.0
100	PI2 BPSK	135	69	16.04	16.10	15.96	17.2	0.0
100	PI2 BPSK	135	138	15.99	16.12	16.08	17.2	0.0
100	PI2 BPSK	270	0	16.09	16.13	15.97		
100	QPSK	1	1	16.07	16.28	16.16		
100	QPSK	1	137	16.03	16.10	16.00	17.2	0.0
100	QPSK	1	271	15.99	16.11	15.94		
100	QPSK	135	0	15.90	16.06	16.01	17.2	0.0
100	QPSK	135	69	16.09	16.16	16.02	17.2	0.0
100	QPSK	135	138	15.91	16.04	15.96	17.2	0.0
100	QPSK	270	0	16.06	16.14	16.11		
100	16QAM	1	1	16.01	16.08	16.00	17.2	0.0
100	64QAM	1	1	16.01	16.10	16.00	17.2	0.0
100	256QAM	1	1	15.99	15.99	15.84	17.2	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	16.04	16.24	16.09	17.2	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.00	16.24	16.09	17.2	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.05	16.25	16.10	17.2	0.0
Channel								
Frequency (MHz)				649668	656000	663334	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.03	16.18	16.07	17.2	0.0
Channel								
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.03	16.18	16.07	17.2	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	15.99	16.24	16.09	17.2	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	16.04	16.22	16.08	17.2	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	16.04	16.22	16.08	17.2	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.04	16.22	16.08	17.2	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	15.98	16.24	16.07	17.2	0.0
Channel								
Frequency (MHz)				647100	656000	664834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.04	16.22	16.08	17.2	0.0
Channel								
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.05	16.19	16.06	17.2	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 650000	Power Middle Ch. F.Freq. 656000	Power High Ch. F.Freq. 663000	Tune-up limit (dBm)	MPR (dB)
Channel A								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	19.26	19.35	19.32		
100	PI2 BPSK	1	137	19.08	19.24	19.21	20.2	0.0
100	PI2 BPSK	1	271	19.16	19.33	19.26		
100	PI2 BPSK	135	0	19.33	19.35	19.23	20.2	0.0
100	PI2 BPSK	135	69	19.21	19.27	19.23	20.2	0.0
100	PI2 BPSK	135	138	19.13	19.30	19.13	20.2	0.0
100	PI2 BPSK	270	0	19.18	19.24	19.15		
100	QPSK	1	1	19.24	19.47	19.34		
100	QPSK	1	137	19.26	19.37	19.26	20.2	0.0
100	QPSK	1	271	19.17	19.34	19.22		
100	QPSK	135	0	19.19	19.23	19.16	20.2	0.0
100	QPSK	135	69	19.27	19.38	19.28	20.2	0.0
100	QPSK	135	138	19.14	19.30	19.17	20.2	0.0
100	QPSK	270	0	19.20	19.33	19.26		
100	16QAM	1	1	19.16	19.30	19.13	20.2	0.0
100	64QAM	1	1	19.20	19.36	19.21	20.2	0.0
100	256QAM	1	1	19.13	19.27	19.17	20.2	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.21	19.45	19.27	20.2	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.16	19.40	19.26	20.2	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.20	19.40	19.31	20.2	0.0
Channel								
Frequency (MHz)				649668	656000	663334	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.15	19.44	19.32	20.2	0.0
Channel								
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.15	19.44	19.32	20.2	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.17	19.39	19.31	20.2	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.15	19.39	19.28	20.2	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.21	19.43	19.32	20.2	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.18	19.42	19.32	20.2	0.0
Channel								
Frequency (MHz)				647100	656000	664834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.22	19.39	19.26	20.2	0.0
Channel								
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.21	19.38	19.27	20.2	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 633000	Power Middle Ch. F.Freq. 633554	Power High Ch. F.Freq. 633554	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		16.39			
100	PI2 BPSK	1	137		16.32		17.2	0.0
100	PI2 BPSK	1	271		16.36			
100	PI2 BPSK	135	0		16.41		17.2	0.0
100	PI2 BPSK	135	69		16.28		17.2	0.0
100	PI2 BPSK	135	138		16.34		17.2	0.0
100	PI2 BPSK	270	0		16.30			
100	QPSK	1	1		16.49			
100	QPSK	1	137		16.36		17.2	0.0
100	QPSK	1	271		16.35			
100	QPSK	135	0		16.31		17.2	0.0
100	QPSK	135	69		16.45		17.2	0.0
100	QPSK	135	138		16.32		17.2	0.0
100	QPSK	270	0		16.35			
100	16QAM	1	1		16.38		17.2	0.0
100	64QAM	1	1		16.31		17.2	0.0
100	256QAM	1	1		16.29			
Channel								
Frequency (MHz)				633000	633554	633554	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	17.2	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.23	16.29	16.33	17.2	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.27	16.32	16.34	17.2	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.19	16.33	16.37	17.2	0.0
Channel								
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.27	16.32	16.34	17.2	0.0
Channel								
Frequency (MHz)				631668	633334	633000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.27	16.32	16.37	17.2	0.0
Channel								
Frequency (MHz)				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.21	16.28	16.39	17.2	0.0
Channel								
Frequency (MHz)				631000	633334	633554	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	16.21	16.33	16.38	17.2	0.0
Channel								
Frequency (MHz)				630668	633334	633000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	16.21	16.33	16.38	17.2	0.0
Channel								
Frequency (MHz)				630334	633334	633000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.23	16.34	16.40	17.2	0.0
Channel								
Frequency (MHz)				630000	633334	633100	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.24	16.27	16.31	17.2	0.0
Channel								
Frequency (MHz)				630334	633334	633334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.15	16.31	16.36	17.2	0.0



Part27Q n77 PC2 DSI2_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		19.15			
100	PI2 BPSK	1	271		19.02		20.2	0.0
100	PI2 BPSK	135	0		19.38			
100	PI2 BPSK	135	69		19.07		20.2	0.0
100	PI2 BPSK	135	138		19.22		20.2	0.0
100	PI2 BPSK	270	0		19.27		20.2	0.0
100	PI2 BPSK	270	0		19.17			
100	QPSK	1	1		19.05			
100	QPSK	1	137		19.22		20.2	0.0
100	QPSK	1	271		19.25			
100	QPSK	135	0		19.14		20.2	0.0
100	QPSK	135	69		19.51		20.2	0.0
100	QPSK	135	138		19.24		20.2	0.0
100	QPSK	270	0		19.02			
100	16QAM	1	1		19.16		20.2	0.0
100	64QAM	1	1		19.05		20.2	0.0
100	256QAM	1	1		18.96		20.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	19.25	19.14	19.20	20.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3503.03	3508		
80	QPSK	1	1	19.28	19.20	19.15	20.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.29	19.19	19.19	20.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	19.28	19.15	19.18	20.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	19.29	19.20	19.16	20.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.29	19.19	19.20	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	19.28	19.20	19.19	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	19.30	19.20	19.18	20.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	19.26	19.19	19.18	20.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
10	QPSK	1	1	19.31	19.15	19.20	20.2	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3750	3750	3750				
Frequency (MHz)										
100	PI2 BPSK	1	1	15.34						
100	PI2 BPSK	1	137	15.33			17.2	0.0		
100	PI2 BPSK	1	271	15.40						
100	PI2 BPSK	135	0	15.43			17.2	0.0		
100	PI2 BPSK	135	69	15.30			17.2	0.0		
100	PI2 BPSK	135	138	15.43			17.2	0.0		
100	PI2 BPSK	270	0	15.34						
100	QPSK	1	1	15.46						
100	QPSK	1	137	15.36			17.2	0.0		
100	QPSK	1	271	15.38						
100	QPSK	135	0	15.35			17.2	0.0		
100	QPSK	135	69	15.39			17.2	0.0		
100	QPSK	135	138	15.30			17.2	0.0		
100	QPSK	270	0	15.36						
100	16QAM	1	1	15.43			17.2	0.0		
100	64QAM	1	1	15.41			17.2	0.0		
100	256QAM	1	1	15.30			17.2	0.0		
Channel				64988	65000	65034	Tune-up limit	MPR		
Frequency (MHz)										
90	QPSK	1	1	15.29	15.34	15.26	17.2	0.0		
Channel				64834	65000	65068	Tune-up limit	MPR		
Frequency (MHz)										
80	QPSK	1	1	15.28	15.42	15.27	17.2	0.0		
Channel				64900	65000	65100	Tune-up limit	MPR		
Frequency (MHz)										
70	QPSK	1	1	15.39	15.43	15.20	17.2	0.0		
Channel				64868	65000	65134	Tune-up limit	MPR		
Frequency (MHz)										
60	QPSK	1	1	15.32	15.33	15.25	17.2	0.0		
Channel				3730.02	3750	3770.01	Tune-up limit	MPR		
Frequency (MHz)										
50	QPSK	1	1	15.28	15.39	15.22	17.2	0.0		
Channel				64800	65000	65000	Tune-up limit	MPR		
Frequency (MHz)										
40	QPSK	1	1	15.32	15.35	15.27	17.2	0.0		
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)										
30	QPSK	1	1	15.26	15.35	15.27	17.2	0.0		
Channel				64734	65000	65068	Tune-up limit	MPR		
Frequency (MHz)										
20	QPSK	1	1	15.37	15.38	15.30	17.2	0.0		
Channel				64700	65000	65234	Tune-up limit	MPR		
Frequency (MHz)										
15	QPSK	1	1	15.35	15.43	15.27	17.2	0.0		
Channel				64700	65000	65300	Tune-up limit	MPR		
Frequency (MHz)										
10	QPSK	1	1	15.33	15.37	15.28	17.2	0.0		

Part270 n78 PC2 DS12_Standalone Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3750	3750	3750				
Frequency (MHz)										
100	PI2 BPSK	1	1	18.21						
100	PI2 BPSK	1	137	18.29			20.2	0.0		
100	PI2 BPSK	1	271	18.26						
100	PI2 BPSK	135	0	18.21			20.2	0.0		
100	PI2 BPSK	135	69	18.31			20.2	0.0		
100	PI2 BPSK	135	138	18.21			20.2	0.0		
100	PI2 BPSK	270	0	18.24						
100	QPSK	1	1	18.44						
100	QPSK	1	137	18.22			20.2	0.0		
100	QPSK	1	271	18.21						
100	QPSK	135	0	18.26			20.2	0.0		
100	QPSK	135	69	18.28			20.2	0.0		
100	QPSK	135	138	18.21			20.2	0.0		
100	QPSK	270	0	18.23						
100	16QAM	1	1	18.22			20.2	0.0		
100	64QAM	1	1	18.21			20.2	0.0		
100	256QAM	1	1	18.21			20.2	0.0		
Channel				64988	65000	65034	Tune-up limit	MPR		
Frequency (MHz)										
90	QPSK	1	1	18.28	18.27	18.21	20.2	0.0		
Channel				64834	65000	65068	Tune-up limit	MPR		
Frequency (MHz)										
80	QPSK	1	1	18.28	18.27	18.21	20.2	0.0		
Channel				64900	65000	65100	Tune-up limit	MPR		
Frequency (MHz)										
70	QPSK	1	1	18.21	18.21	18.21	20.2	0.0		
Channel				64868	65000	65134	Tune-up limit	MPR		
Frequency (MHz)										
60	QPSK	1	1	18.21	18.21	18.21	20.2	0.0		
Channel				3730.02	3750	3770.01	Tune-up limit	MPR		
Frequency (MHz)										
50	QPSK	1	1	18.21	18.21	18.21	20.2	0.0		
Channel				64800	65000	65000	Tune-up limit	MPR		
Frequency (MHz)										
40	QPSK	1	1	18.26	18.22	18.21	20.2	0.0		
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)										
30	QPSK	1	1	18.29	18.22	18.21	20.2	0.0		
Channel				64734	65000	65068	Tune-up limit	MPR		
Frequency (MHz)										
20	QPSK	1	1	18.24	18.23	18.21	20.2	0.0		
Channel				64700	65000	65234	Tune-up limit	MPR		
Frequency (MHz)										
15	QPSK	1	1	18.23	18.21	18.21	20.2	0.0		
Channel				64700	65000	65300	Tune-up limit	MPR		
Frequency (MHz)										
10	QPSK	1	1	18.22	18.22	18.21	20.2	0.0		

Part27Q n78 DS12_Standalone Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3500.01						
Frequency (MHz)										
100	PI2 BPSK	1	1	15.72						
100	PI2 BPSK	1	137	15.82			17.2	0.0		
100	PI2 BPSK	1	271	15.73						
100	PI2 BPSK	135	0	15.88			17.2	0.0		
100	PI2 BPSK	135	69	15.83			17.2	0.0		
100	PI2 BPSK	135	138	15.88			17.2	0.0		
100	PI2 BPSK	270	0	15.70						
100	QPSK	1	1	15.77						
100	QPSK	1	137	15.66			17.2	0.0		
100	QPSK	1	271	15.60						
100	QPSK	135	0	15.82			17.2	0.0		
100	QPSK	135	69	15.73			17.2	0.0		
100	QPSK	135	138	15.88			17.2	0.0		
100	QPSK	270	0	15.64						
100	16QAM	1	1	15.82			17.2	0.0		
100	64QAM	1	1	15.80			17.2	0.0		
100	256QAM	1	1	15.57			17.2	0.0		
Channel				63300	63354	63368	Tune-up limit	MPR		
Frequency (MHz)										
90	QPSK	1	1	15.04	15.56	15.59	17.2	0.0		
Channel				63268	63334	63400	Tune-up limit	MPR		
Frequency (MHz)										
80	QPSK	1	1	15.59	15.52	15.55	17.2	0.0		
Channel				63234	63334	63434	Tune-up limit	MPR		
Frequency (MHz)										
70	QPSK	1	1	15.08	15.58	15.50	17.2	0.0		
Channel				63200	63334	63468	Tune-up limit	MPR		
Frequency (MHz)										
60	QPSK	1	1	15.60	15.61	15.55	17.2	0.0		
Channel				3480	3500.01	3520.02	Tune-up limit	MPR		
Frequency (MHz)										
50	QPSK	1	1	15.07	15.52	15.59	17.2	0.0		
Channel				63134	63334	63534	Tune-up limit	MPR		
Frequency (MHz)										
40	QPSK	1	1	15.06	15.54	15.57	17.2	0.0		
Channel				63100	63334	63568	Tune-up limit	MPR		
Frequency (MHz)										
30	QPSK	1	1	15.09	15.54	15.55	17.2	0.0		
Channel				63068	63334	63600	Tune-up limit	MPR		
Frequency (MHz)										
20	QPSK	1	1	15.56	15.52	15.55	17.2	0.0		
Channel				63030	63334	63634	Tune-up limit	MPR		
Frequency (MHz)										
15	QPSK	1	1	15.60	15.60	15.51	17.2	0.0		
Channel				63034	63334	63634	Tune-up limit	MPR		
Frequency (MHz)										
10	QPSK	1	1	15.58	15.57	15.59	17.2	0.0		



Part27Q n78 PC2 DSI2_Standalone Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	MPR (dB)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	18.51	3500.01		
100	PI2 BPSK	1	137	18.46			20.2
100	PI2 BPSK	1	271	18.65			
100	PI2 BPSK	135	0	18.35			20.2
100	PI2 BPSK	135	69	18.51			20.2
100	PI2 BPSK	135	138	18.29			20.2
100	PI2 BPSK	270	0	18.26			20.2
100	QPSK	1	1	18.71			
100	QPSK	1	137	18.36			20.2
100	QPSK	1	271	18.56			
100	QPSK	135	0	18.31			20.2
100	QPSK	135	69	18.47			20.2
100	QPSK	135	138	18.34			20.2
100	QPSK	270	0	18.38			20.2
100	16QAM	1	1	18.49			20.2
100	64QAM	1	1	18.40			20.2
100	256QAM	1	1	18.37			20.2
Channel							
Frequency (MHz)							
90	QPSK	1	1	18.55	18.49	18.52	20.2
Channel							
Frequency (MHz)							
80	QPSK	1	1	18.53	18.47	18.43	20.2
Channel							
Frequency (MHz)							
70	QPSK	1	1	18.47	18.44	18.49	20.2
Channel							
Frequency (MHz)							
60	QPSK	1	1	18.57	18.44	18.50	20.2
Channel							
Frequency (MHz)							
50	QPSK	1	1	18.51	18.46	18.46	20.2
Channel							
Frequency (MHz)							
40	QPSK	1	1	18.55	18.55	18.45	20.2
Channel							
Frequency (MHz)							
30	QPSK	1	1	18.48	18.53	18.51	20.2
Channel							
Frequency (MHz)							
20	QPSK	1	1	18.51	18.43	18.44	20.2
Channel							
Frequency (MHz)							
15	QPSK	1	1	18.55	18.50	18.44	20.2
Channel							
Frequency (MHz)							
10	QPSK	1	1	18.50	18.44	18.44	20.2



n2 DSI2_Standalone Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	18.48	18.52	18.46		
20	PI2 BPSK	1	53	18.60	18.60	18.50	19.8	0.0
20	PI2 BPSK	1	104	18.80	18.83	18.58		
20	PI2 BPSK	50	0	18.37	18.51	18.41	19.8	0.0
20	PI2 BPSK	50	28	18.46	18.60	18.48	19.8	0.0
20	PI2 BPSK	50	56	18.55	18.57	18.51	19.8	0.0
20	PI2 BPSK	100	0	18.47	18.55	18.52	19.8	0.0
20	QPSK	1	1	18.57	18.65	18.63		
20	QPSK	1	53	18.41	18.51	18.38	19.8	0.0
20	QPSK	1	104	18.46	18.48	18.37		
20	QPSK	50	0	18.48	18.53	18.40	19.8	0.0
20	QPSK	50	28	18.55	18.60	18.52	19.8	0.0
20	QPSK	50	56	18.47	18.56	18.43	19.8	0.0
20	QPSK	100	0	18.52	18.56	18.48	19.8	0.0
20	16QAM	1	1	18.54	18.60	18.49	19.8	0.0
20	64QAM	1	1	18.48	18.55	18.40	19.8	0.0
20	256QAM	1	1	18.44	18.54	18.45	19.8	0.0
Channel								
Frequency (MHz)				1897.5	1880	1902.5		
15	QPSK	1	1	18.46	18.57	18.52	19.8	0.0
Channel								
Frequency (MHz)				371000	376000	381000		
10	QPSK	1	1	18.43	18.60	18.49	19.8	0.0
Channel								
Frequency (MHz)				370000	376000	381500		
5	QPSK	1	1	18.42	18.63	18.47	19.8	0.0

n7 DSI2_Standalone Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	17.99	18.10	18.06		
40	PI2 BPSK	1	108	17.90	17.97	17.90	18.9	0.0
40	PI2 BPSK	1	214	17.97	18.07	18.03		
40	PI2 BPSK	108	0	17.80	17.92	17.85	18.9	0.0
40	PI2 BPSK	108	54	17.74	17.85	17.80	18.9	0.0
40	PI2 BPSK	108	108	17.95	18.00	17.96	18.9	0.0
40	PI2 BPSK	216	0	17.80	17.89	17.73	18.9	0.0
40	QPSK	1	1	18.07	18.15	18.03		
40	QPSK	1	108	17.76	17.85	17.83	18.9	0.0
40	QPSK	1	214	17.92	17.98	17.84		
40	QPSK	108	0	17.86	17.94	17.79	18.9	0.0
40	QPSK	108	54	17.86	17.96	17.85	18.9	0.0
40	QPSK	108	108	17.89	17.81	17.89	18.9	0.0
40	QPSK	216	0	17.76	17.80	17.81	18.9	0.0
40	16QAM	1	1	17.66	17.78	17.74	18.9	0.0
40	64QAM	1	1	17.78	17.82	17.79	18.9	0.0
40	256QAM	1	1	17.68	17.76	17.73	18.9	0.0
Channel								
Frequency (MHz)				503000	507000	511000		
30	QPSK	1	1	18.03	18.03	17.89	18.9	0.0
Channel								
Frequency (MHz)				502500	507000	511500		
25	QPSK	1	1	18.01	18.03	17.97	18.9	0.0
Channel								
Frequency (MHz)				502000	507000	512000		
20	PI2 BPSK	1	1	18.04	18.10	17.94	18.9	0.0
Channel								
Frequency (MHz)				501500	507000	512500		
15	QPSK	1	1	18.01	17.99	17.90	18.9	0.0
Channel								
Frequency (MHz)				501000	507000	513000		
10	QPSK	1	1	18.05	18.09	17.89	18.9	0.0
Channel								
Frequency (MHz)				500500	507000	513500		
5	QPSK	1	1	18.04	18.09	17.88	18.9	0.0

n25 DSI2_Standalone Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				1870	1822.5	1895		
40	PI2 BPSK	1	1	18.40	18.55	18.44		
40	PI2 BPSK	1	108	18.49	18.54	18.42	19.8	0.0
40	PI2 BPSK	1	214	18.39	18.52	18.43		
40	PI2 BPSK	108	0	18.55	18.62	18.51	19.8	0.0
40	PI2 BPSK	108	54	18.51	18.58	18.52	19.8	0.0
40	PI2 BPSK	108	108	18.54	18.59	18.43	19.8	0.0
40	PI2 BPSK	216	0	18.45	18.55	18.48	19.8	0.0
40	QPSK	1	1	18.52	18.69	18.57		
40	QPSK	1	108	18.51	18.63	18.52	19.8	0.0
40	QPSK	1	214	18.46	18.55	18.51		
40	QPSK	108	0	18.55	18.62	18.55	19.8	0.0
40	QPSK	108	54	18.47	18.54	18.44	19.8	0.0
40	QPSK	108	108	18.51	18.57	18.42	19.8	0.0
40	QPSK	216	0	18.46	18.57	18.41	19.8	0.0
40	16QAM	1	1	18.40	18.42	18.33	19.8	0.0
40	64QAM	1	1	18.43	18.55	18.45	19.8	0.0
40	256QAM	1	1	18.41	18.48	18.44	19.8	0.0
Channel								
Frequency (MHz)				372000	376500	381000		
30	QPSK	1	1	18.42	18.57	18.45	19.8	0.0
Channel								
Frequency (MHz)				372500	376500	380500		
25	QPSK	1	1	18.50	18.54	18.43	19.8	0.0
Channel								
Frequency (MHz)				372000	376500	381000		
20	QPSK	1	1	18.44	18.52	18.50	19.8	0.0
Channel								
Frequency (MHz)				371500	376500	381500		
15	QPSK	1	1	18.37	18.48	18.53	19.8	0.0
Channel								
Frequency (MHz)				371000	376500	382000		
10	QPSK	1	1	18.44	18.51	18.45	19.8	0.0
Channel								
Frequency (MHz)				370500	376500	382500		
5	QPSK	1	1	18.46	18.56	18.44	19.8	0.0



n30 DSI2_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2310					
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	18.80					
10	PI2 BPSK	1	26	18.82			20.0	0.0	
10	PI2 BPSK	1	50	18.88					
10	PI2 BPSK	25	0	18.75			20.0	0.0	
10	PI2 BPSK	25	14	18.73			20.0	0.0	
10	PI2 BPSK	25	27	18.70			20.0	0.0	
10	PI2 BPSK	50	0	18.71					
10	QPSK	1	1	18.89					
10	QPSK	1	26	18.76			20.0	0.0	
10	QPSK	1	50	18.84					
10	QPSK	25	0	18.71			20.0	0.0	
10	QPSK	25	14	18.68			20.0	0.0	
10	QPSK	25	27	18.69			20.0	0.0	
10	QPSK	50	0	18.70					
10	16QAM	1	1	18.63			20.0	0.0	
10	64QAM	1	1	18.54			20.0	0.0	
10	256QAM	1	1	18.62			20.0	0.0	
Channel				481500	492500	482500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	18.67	18.70	18.64	20.0	0.0	

n66 DSI2_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000					
Frequency (MHz)				1725					
40	PI2 BPSK	1	1	19.18	19.20	19.18			
40	PI2 BPSK	1	108	19.01	19.13	19.03	20.6	0.0	
40	PI2 BPSK	1	214	19.09	19.15	19.09			
40	PI2 BPSK	108	0	19.21	19.25	19.19	20.6	0.0	
40	PI2 BPSK	108	54	19.06	19.06	19.06	20.6	0.0	
40	PI2 BPSK	108	108	19.14	19.24	19.21			
40	PI2 BPSK	216	0	19.11	19.23	19.12	20.6	0.0	
40	QPSK	1	1	19.30	19.32	19.27			
40	QPSK	1	108	19.03	19.10	19.04	20.6	0.0	
40	QPSK	1	214	19.05	19.14	19.06			
40	QPSK	108	0	19.12	19.20	19.20	20.6	0.0	
40	QPSK	108	54	19.06	19.12	18.99	20.6	0.0	
40	QPSK	108	108	19.04	19.21	19.17			
40	QPSK	216	0	19.13	19.21	19.11	20.6	0.0	
40	16QAM	1	1	19.20	19.26	19.14	20.6	0.0	
40	64QAM	1	1	19.16	19.30	19.16	20.6	0.0	
40	256QAM	1	1	19.10	19.21	19.15	20.6	0.0	
Channel				345500	349000	345500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.20	19.18	19.24	20.6	0.0	
Channel				344000	349000	344000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1740			
20	QPSK	1	1	19.23	19.18	19.22	20.6	0.0	
Channel				343500	349000	343500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1725			
15	QPSK	1	1	19.14	19.21	19.14	20.6	0.0	
Channel				343000	349000	343000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1715			
10	QPSK	1	1	19.10	19.24	19.13	20.6	0.0	
Channel				342500	349000	342500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1727.5			
5	QPSK	1	1	19.18	19.23	19.15	20.6	0.0	

n70 DSI2_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000					
Frequency (MHz)				1702.5					
15	PI2 BPSK	1	1		21.01				
15	PI2 BPSK	1	40		20.93		22.2	0.0	
15	PI2 BPSK	1	77		21.01				
15	PI2 BPSK	36	0		20.90		22.2	0.0	
15	PI2 BPSK	36	22		20.99		22.2	0.0	
15	PI2 BPSK	36	43		20.85				
15	PI2 BPSK	75	0		20.84		22.2	0.0	
15	QPSK	1	1		21.02				
15	QPSK	1	43		20.98		22.2	0.0	
15	QPSK	1	77		20.95				
15	QPSK	36	0		20.86		22.2	0.0	
15	QPSK	36	22		20.99		22.2	0.0	
15	QPSK	36	43		20.88		22.2	0.0	
15	QPSK	75	0		20.85				
15	16QAM	1	1		20.83		22.2	0.0	
15	64QAM	1	1		20.71		21.5	0.7	
15	256QAM	1	1		19.10		19.5	2.7	
Channel				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	20.89	20.99	20.89	22.2	0.0	
Channel				339500	345000	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	20.98	20.99	20.96	22.2	0.0	



n38 DS12_ Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	17.56	17.73	17.74			
40	PI2 BPSK	1	83	17.63	17.68	17.63	18.4	0.0	
40	PI2 BPSK	1	104	17.59	17.72	17.65			
40	PI2 BPSK	80	0	17.62	17.61	17.50	18.4	0.0	
40	PI2 BPSK	50	28	17.53	17.62	17.65	18.4	0.0	
40	PI2 BPSK	50	56	17.46	17.62	17.50	18.4	0.0	
40	PI2 BPSK	100	0	17.51	17.68	17.48			
40	QPSK	1	1	17.63	17.78	17.65			
40	QPSK	1	53	17.56	17.69	17.62	18.4	0.0	
40	QPSK	1	104	17.57	17.68	17.67			
40	QPSK	50	0	17.49	17.62	17.51	18.4	0.0	
40	QPSK	50	28	17.65	17.73	17.61	18.4	0.0	
40	QPSK	50	56	17.47	17.67	17.51	18.4	0.0	
40	QPSK	100	0	17.54	17.50	17.55			
40	16QAM	1	1	17.71	17.70	17.63	18.4	0.0	
40	64QAM	1	1	17.52	17.67	17.50	18.4	0.0	
40	256QAM	1	1	17.56	17.62	17.49	18.4	0.0	
Channel				517052	519000	520948			
Frequency (MHz)				2585.01	2585	2584.99			
30	QPSK	1	1	17.56	17.72	17.60	0.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.83	2585	2587.83			
25	QPSK	1	1	17.58	17.69	17.64	18.4	0.0	
Channel				516000	516000	520000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	17.54	17.73	17.59	18.4	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2585	2612.49			
15	QPSK	1	1	17.58	17.70	17.62	18.4	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2585	2614.98			
10	QPSK	1	1	17.58	17.77	17.58	18.4	0.0	

n41 DS12_ Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518598	528000			
Frequency (MHz)				2540.01	2592.99	2640			
100	PI2 BPSK	1	1	17.16	17.35	17.29			
100	PI2 BPSK	1	137	17.25	17.28	17.12	18.4	0.0	
100	PI2 BPSK	1	271	17.20	17.35	17.27			
100	PI2 BPSK	135	0	17.23	17.30	17.23	18.4	0.0	
100	PI2 BPSK	135	69	17.22	17.28	17.16	18.4	0.0	
100	PI2 BPSK	135	138	17.11	17.28	17.12			
100	PI2 BPSK	270	0	17.10	17.22	17.09	18.4	0.0	
100	QPSK	1	1	17.33	17.37	17.34			
100	QPSK	1	137	17.20	17.31	17.20	18.4	0.0	
100	QPSK	1	271	17.20	17.27	17.22			
100	QPSK	135	0	17.17	17.20	17.10	18.4	0.0	
100	QPSK	135	69	17.23	17.25	17.08	18.4	0.0	
100	QPSK	135	138	17.15	17.21	17.08	18.4	0.0	
100	QPSK	270	0	17.02	17.10	17.05			
100	16QAM	1	1	17.14	17.30	17.24	18.4	0.0	
100	64QAM	1	1	17.14	17.21	17.19	18.4	0.0	
100	256QAM	1	1	17.10	17.23	17.10	18.4	0.0	
Channel				515500	518598	529598			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.27	17.28	17.27	18.4	0.0	
Channel				507204	518598	529598			
Frequency (MHz)				2638.03	2692.99	2648.99			
80	QPSK	1	1	17.16	17.31	17.23	18.4	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	17.24	17.25	17.23	18.4	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	17.26	17.24	17.27	18.4	0.0	
Channel				504204	518598	532996			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.23	17.32	17.20	18.4	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.25	17.35	17.26	18.4	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.23	17.24	17.20	18.4	0.0	
Channel				501204	518598	535996			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.20	17.25	17.18	18.4	0.0	



n41 PC2 DSI2_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	516598	526900			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.21	20.37	20.23			
100	PI/2 BPSK	1	137	20.19	20.29	20.18	21.4	0.0	
100	PI/2 BPSK	1	271	20.18	20.30	20.23			
100	PI/2 BPSK	135	0	20.22	20.26	20.16	21.4	0.0	
100	PI/2 BPSK	135	69	20.22	20.26	20.13	21.4	0.0	
100	PI/2 BPSK	135	138	20.17	20.29	20.20	21.4	0.0	
100	PI/2 BPSK	270	0	20.15	20.24	20.14			
100	QPSK	1	1	20.31	20.40	20.26			
100	QPSK	1	197	20.18	20.27	20.24	21.4	0.0	
100	QPSK	1	271	20.31	20.30	20.22			
100	QPSK	135	0	20.20	20.25	20.18	21.4	0.0	
100	QPSK	135	69	20.23	20.29	20.19	21.4	0.0	
100	QPSK	135	138	20.09	20.20	20.06	21.4	0.0	
100	QPSK	270	0	20.16	20.26	20.11			
100	16QAM	1	1	20.12	20.29	20.18	21.4	0.0	
100	64QAM	1	1	20.08	20.18	20.10	21.4	0.0	
100	256QAM	1	1	20.01	20.11	20.06	21.4	0.0	
Channel				532000	531666	529966	Tune-up limit	MPR	
Frequency (MHz)				2641	2592.99	2644.98			
80	QPSK	1	1	20.16	20.31	20.15	21.4	0.0	
Channel				507294	516598	525998	Tune-up limit	MPR	
Frequency (MHz)				2638.02	2661.99	2664.98			
80	QPSK	1	1	20.25	20.37	20.18	21.4	0.0	
Channel				506202	516598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2693			
70	QPSK	1	1	20.16	20.24	20.23	21.4	0.0	
Channel				502000	516598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.29	20.28	20.11	21.4	0.0	
Channel				532000	531666	529966	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	20.17	20.27	20.13	21.4	0.0	
Channel				503002	516598	534000	Tune-up limit	MPR	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	20.24	20.27	20.18	21.4	0.0	
Channel				502000	516598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.15	20.28	20.21	21.4	0.0	
Channel				507000	516598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.21	20.29	20.21	21.4	0.0	

n48 Part96 DSI2_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI/2 BPSK	1	1	15.97	16.00	15.96			
40	PI/2 BPSK	1	53	15.91	15.98	15.83	17.1	0.0	
40	PI/2 BPSK	1	104	15.73	15.89	15.75			
40	PI/2 BPSK	50	0	15.96	16.01	15.85	17.1	0.0	
40	PI/2 BPSK	50	26	15.90	15.96	15.85	17.1	0.0	
40	PI/2 BPSK	50	56	15.77	15.93	15.86	17.1	0.0	
40	PI/2 BPSK	100	0	15.93	15.95	15.86			
40	QPSK	1	1	15.88	16.05	15.95			
40	QPSK	1	53	15.90	15.94	15.84	17.1	0.0	
40	QPSK	1	104	15.89	15.93	15.75			
40	QPSK	50	0	15.74	15.91	15.77	17.1	0.0	
40	QPSK	50	26	15.85	16.00	15.83	17.1	0.0	
40	QPSK	50	56	15.90	15.96	15.83	17.1	0.0	
40	QPSK	100	0	15.95	15.95	15.90			
40	16QAM	1	1	15.88	15.89	15.74	17.1	0.0	
40	64QAM	1	1	15.89	15.98	15.83	17.1	0.0	
40	256QAM	1	1	15.73	15.87	15.71	17.1	0.0	
Channel				637666	641666	645966	Tune-up limit	MPR	
Frequency (MHz)				3565.02	3624.99	3684.98			
30	QPSK	1	1	15.73	15.94	15.82	17.1	0.0	
Channel				637334	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3560.03	3624.99	3680			
20	QPSK	1	1	15.83	15.89	15.81	17.1	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3555	3624.99	3684.98			
10	QPSK	1	1	15.71	15.98	15.79	17.1	0.0	



Part270 n77 DS12_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.17	16.22	16.22		
100	PI2 BPSK	1	137	16.18	16.30	16.22	16.8	0.0
100	PI2 BPSK	1	271	15.88	16.04	15.95		
100	PI2 BPSK	135	0	16.24	16.31	16.27	16.8	0.0
100	PI2 BPSK	135	69	16.14	16.25	16.12	16.8	0.0
100	PI2 BPSK	135	138	16.01	16.06	15.99	16.8	0.0
100	PI2 BPSK	270	0	16.08	16.22	16.06		
100	QPSK	1	1	16.24	16.32	16.26		
100	QPSK	1	137	16.08	16.24	16.10	16.8	0.0
100	QPSK	1	271	15.99	16.05	15.98		
100	QPSK	135	0	16.11	16.19	16.11	16.8	0.0
100	QPSK	135	69	16.11	16.26	16.21	16.8	0.0
100	QPSK	135	138	16.08	16.12	16.08	16.8	0.0
100	QPSK	270	0	16.03	16.14	15.97		
100	16QAM	1	1	16.19	16.28	16.21	16.8	0.0
100	64QAM	1	1	16.13	16.18	16.10	16.8	0.0
100	256QAM	1	1	15.99	16.11	15.96	16.8	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.18	16.21	16.18	16.8	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	16.21	16.27	16.17	16.8	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	16.12	16.23	16.21	16.8	0.0
Channel								
Frequency (MHz)				648968	650000	650334		
60	QPSK	1	1	16.17	16.21	16.21	16.8	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.21	16.23	16.16	16.8	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	16.20	16.20	16.12	16.8	0.0
Channel								
Frequency (MHz)				647668	650000	650334		
30	QPSK	1	1	16.10	16.18	16.13	16.8	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.19	16.24	16.15	16.8	0.0
Channel								
Frequency (MHz)				647160	650000	650334		
15	QPSK	1	1	16.07	16.16	16.10	16.8	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.10	16.16	16.16	16.8	0.0

Part270 n77 PC2 DS12_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.08	16.12	16.07		
100	PI2 BPSK	1	137	16.94	19.10	18.94	19.8	0.0
100	PI2 BPSK	1	271	18.87	19.01	18.89		
100	PI2 BPSK	135	0	18.96	19.08	19.04	19.8	0.0
100	PI2 BPSK	135	69	19.07	19.16	19.00	19.8	0.0
100	PI2 BPSK	135	138	18.93	18.98	18.90	19.8	0.0
100	PI2 BPSK	270	0	18.82	19.07	19.01		
100	QPSK	1	1	19.05	19.18	19.13		
100	QPSK	1	137	19.10	19.14	19.10	19.8	0.0
100	QPSK	1	271	18.94	19.00	18.94		
100	QPSK	135	0	19.05	19.10	18.98	19.8	0.0
100	QPSK	135	69	18.96	19.13	19.06	19.8	0.0
100	QPSK	135	138	18.94	18.98	18.87	19.8	0.0
100	QPSK	270	0	18.96	19.03	18.94		
100	16QAM	1	1	19.00	19.04	18.92	19.8	0.0
100	64QAM	1	1	19.11	19.14	19.08	19.8	0.0
100	256QAM	1	1	18.91	19.02	18.98	19.8	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.02	19.05	19.04	19.8	0.0
Channel								
Frequency (MHz)				649334	650000	650668		
80	QPSK	1	1	19.03	19.05	19.04	19.8	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	18.99	19.09	19.09	19.8	0.0
Channel								
Frequency (MHz)				3740.02	3840	3950.01		
60	QPSK	1	1	18.89	19.11	18.98	19.8	0.0
Channel								
Frequency (MHz)				648334	650000	650334		
50	QPSK	1	1	18.93	19.14	19.03	19.8	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	18.94	19.13	18.96	19.8	0.0
Channel								
Frequency (MHz)				647668	650000	650334		
30	QPSK	1	1	18.88	19.08	19.00	19.8	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.01	19.02	18.98	19.8	0.0
Channel								
Frequency (MHz)				647160	650000	650334		
15	QPSK	1	1	18.99	19.12	19.10	19.8	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.00	19.08	19.07	19.8	0.0

Part27Q n77 DS12_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			16.41		
100	PI2 BPSK	1	137			16.43	16.8	0.0
100	PI2 BPSK	1	271			16.51		
100	PI2 BPSK	135	0			16.40	16.8	0.0
100	PI2 BPSK	135	69			16.46	16.8	0.0
100	PI2 BPSK	135	138			16.43	16.8	0.0
100	PI2 BPSK	270	0			16.49		
100	QPSK	1	1			16.56		
100	QPSK	1	137			16.50	16.8	0.0
100	QPSK	1	271			16.52		
100	QPSK	135	0			16.41	16.8	0.0
100	QPSK	135	69			16.51	16.8	0.0
100	QPSK	135	138			16.43	16.8	0.0
100	QPSK	270	0			16.39		
100	16QAM	1	1			16.47	16.8	0.0
100	64QAM	1	1			16.51	16.8	0.0
100	256QAM	1	1			16.46	16.8	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	16.40	16.45	16.48	16.8	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	16.43	16.41	16.48	16.8	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	16.49	16.42	16.48	16.8	0.0
Channel								
Frequency (MHz)				3480	3500.01	3500.02		
60	QPSK	1	1	16.50	16.44	16.51	16.8	0.0
Channel								
Frequency (MHz)				631668	633334	633000		
50	QPSK	1	1	16.52	16.51	16.40	16.8	0.0
Channel								
Frequency (MHz)				631334	633334	633334		
40	QPSK	1	1	16.39	16.42	16.46	16.8	0.0
Channel								
Frequency (MHz)				631000	633334	633668		
30	QPSK	1	1	16.40	16.43	16.38	16.8	0.0
Channel								
Frequency (MHz)				3460.02	3500.01	3500.01		
20	QPSK	1	1	16.50	16.39	16.45	16.8	0.0
Channel								
Frequency (MHz)				630000	633334	633168		
15	QPSK	1	1	16.49	16.42	16.50	16.8	0.0
Channel								
Frequency (MHz)				630334	633334	633634		
10	QPSK	1	1	16.51	16.51	16.42	16.8	0.0



Part27Q n77 PC2 DSI2_Standalone Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		19.51			
100	PI2 BPSK	1	271		19.58		19.8	0.0
100	PI2 BPSK	135	0		19.44		19.8	0.0
100	PI2 BPSK	135	69		19.53		19.8	0.0
100	PI2 BPSK	135	138		19.50		19.8	0.0
100	PI2 BPSK	270	0		19.53		19.8	0.0
100	QPSK	1	1		19.01			
100	QPSK	1	137		19.44		19.8	0.0
100	QPSK	1	271		19.55		19.8	0.0
100	QPSK	135	0		19.46		19.8	0.0
100	QPSK	135	69		19.48		19.8	0.0
100	QPSK	135	138		19.47		19.8	0.0
100	QPSK	270	0		19.56		19.8	0.0
100	16QAM	1	1		19.45		19.8	0.0
100	64QAM	1	1		19.48		19.8	0.0
100	256QAM	1	1		19.48		19.8	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	19.50	19.57	19.58	19.8	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3503.03	3510		
80	QPSK	1	1	19.57	19.54	19.49	19.8	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.57	19.44	19.47	19.8	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	19.45	19.50	19.57	19.8	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	19.52	19.53	19.49	19.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.49	19.49	19.51	19.8	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	19.56	19.51	19.57	19.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	19.57	19.45	19.47	19.8	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3455.03	3500.01	3545.03		
15	QPSK	1	1	19.53	19.49	19.57	19.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	19.55	19.57	19.45	19.8	0.0



Part270 n78 DS12_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		16.15				
100	PI2 BPSK	1	137		16.08		16.8	0.0	
100	PI2 BPSK	1	271		15.93				
100	PI2 BPSK	135	0		16.17		16.8	0.0	
100	PI2 BPSK	135	69		16.13		16.8	0.0	
100	PI2 BPSK	135	138		15.98		16.8	0.0	
100	PI2 BPSK	270	0		16.02		16.8	0.0	
100	QPSK	1	1		16.19				
100	QPSK	1	137		16.09		16.8	0.0	
100	QPSK	1	271		15.94				
100	QPSK	135	0		16.10		16.8	0.0	
100	QPSK	135	69		16.12		16.8	0.0	
100	QPSK	135	138		15.92		16.8	0.0	
100	QPSK	270	0		16.08		16.8	0.0	
100	16QAM	1	1		16.14		16.8	0.0	
100	64QAM	1	1		16.10		16.8	0.0	
100	256QAM	1	1		16.03		16.8	0.0	
Channel									
Frequency (MHz)				64988	65000	65034	Tune-up limit	MPR	
Channel				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		16.04	16.17	16.03	16.8	0.0
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit	MPR	
Channel				3748.01	3750	3750.02	(dBm)	(dB)	
80	QPSK	1	1		16.11	16.10	16.14	16.8	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR	
Channel				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		16.04	16.15	16.13	16.8	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR	
Channel				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		16.10	16.09	16.02	16.8	0.0
Channel									
Frequency (MHz)				64834	65000	65166	Tune-up limit	MPR	
Channel				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		16.07	16.13	16.15	16.8	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit	MPR	
Channel				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		16.05	16.17	16.06	16.8	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR	
Channel				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		16.08	16.04	16.16	16.8	0.0
Channel									
Frequency (MHz)				64734	65000	65266	Tune-up limit	MPR	
Channel				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		16.12	16.12	16.04	16.8	0.0
Channel									
Frequency (MHz)				64700	65000	65298	Tune-up limit	MPR	
Channel				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		16.05	16.07	16.09	16.8	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR	
Channel				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		16.16	16.15	16.11	16.8	0.0

Part270 n78 PC2 DS12_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		19.12				
100	PI2 BPSK	1	137		19.07		19.8	0.0	
100	PI2 BPSK	1	271		19.02				
100	PI2 BPSK	135	0		19.10		19.8	0.0	
100	PI2 BPSK	135	69		19.12		19.8	0.0	
100	PI2 BPSK	135	138		18.98		19.8	0.0	
100	PI2 BPSK	270	0		19.11		19.8	0.0	
100	QPSK	1	1		19.14				
100	QPSK	1	137		19.10		19.8	0.0	
100	QPSK	1	271		19.00				
100	QPSK	135	0		19.07		19.8	0.0	
100	QPSK	135	69		19.09		19.8	0.0	
100	QPSK	135	138		19.04		19.8	0.0	
100	QPSK	270	0		19.10		19.8	0.0	
100	16QAM	1	1		19.13		19.8	0.0	
100	64QAM	1	1		19.10		19.8	0.0	
100	256QAM	1	1		19.10		19.8	0.0	
Channel									
Frequency (MHz)				64988	65000	65034	Tune-up limit	MPR	
Channel				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		19.12	19.00	19.10	19.8	0.0
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit	MPR	
Channel				3748.01	3750	3750.02	(dBm)	(dB)	
80	QPSK	1	1		19.06	18.98	19.02	19.8	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR	
Channel				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		19.02	19.01	19.00	19.8	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR	
Channel				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		18.99	19.02	19.02	19.8	0.0
Channel									
Frequency (MHz)				64834	65000	65166	Tune-up limit	MPR	
Channel				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		19.03	18.98	19.03	19.8	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit	MPR	
Channel				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		19.03	18.97	19.01	19.8	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR	
Channel				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		19.10	19.01	19.11	19.8	0.0
Channel									
Frequency (MHz)				64734	65000	65266	Tune-up limit	MPR	
Channel				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		19.10	19.06	19.10	19.8	0.0
Channel									
Frequency (MHz)				64700	65000	65298	Tune-up limit	MPR	
Channel				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		19.04	19.07	19.12	19.8	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR	
Channel				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		19.09	19.07	19.08	19.8	0.0

Part27Q n78 DS12_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		16.45				
100	PI2 BPSK	1	137		16.37		16.8	0.0	
100	PI2 BPSK	1	271		16.48				
100	PI2 BPSK	135	0		16.34		16.8	0.0	
100	PI2 BPSK	135	69		16.40		16.8	0.0	
100	PI2 BPSK	135	138		16.49		16.8	0.0	
100	PI2 BPSK	270	0		16.48		16.8	0.0	
100	QPSK	1	1		16.51				
100	QPSK	1	137		16.47		16.8	0.0	
100	QPSK	1	271		16.43				
100	QPSK	135	0		16.40		16.8	0.0	
100	QPSK	135	69		16.48		16.8	0.0	
100	QPSK	135	138		16.38		16.8	0.0	
100	QPSK	270	0		16.41		16.8	0.0	
100	16QAM	1	1		16.47		16.8	0.0	
100	64QAM	1	1		16.36		16.8	0.0	
100	256QAM	1	1		16.36		16.8	0.0	
Channel									
Frequency (MHz)				63300	63354	63398	Tune-up limit	MPR	
Channel				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		16.34	16.44	16.48	16.8	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit	MPR	
Channel				3495.02	3500.01	3505.02	(dBm)	(dB)	
80	QPSK	1	1		16.48	16.47	16.36	16.8	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit	MPR	
Channel				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		16.45	16.35	16.41	16.8	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit	MPR	
Channel				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		16.47	16.37	16.39	16.8	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit	MPR	
Channel				3475.02	3500.01	3525.02	(dBm)	(dB)	
50	QPSK	1	1		16.44	16.48	16.37	16.8	0.0
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit	MPR	
Channel				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		16.49	16.46	16.37	16.8	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit	MPR	
Channel				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		16.39	16.42	16.49	16.8	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit	MPR	
Channel				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		16.38	16.40	16.44	16.8	0.0
Channel									
Frequency (MHz)				63030	63334	63634	Tune-up limit	MPR	
Channel				3455.5	3500.01	3545.5	(dBm)	(dB)	
15	QPSK	1	1		16.37	16.39	16.40	16.8	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit	MPR	
Channel				3452.01	3500.01	3542.01	(dBm)	(dB)	
10	QPSK	1	1		16.45	16.40	16.48	16.8	0.0



Part27Q n78 PC2 DSI2_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.50	3500.01				
100	PI2 BPSK	1	137	19.50			19.8	0.0	
100	PI2 BPSK	1	271	19.54					
100	PI2 BPSK	135	0	19.56			19.8	0.0	
100	PI2 BPSK	135	69	19.46			19.8	0.0	
100	PI2 BPSK	135	138	19.50					
100	PI2 BPSK	270	0	19.50			19.8	0.0	
100	QPSK	1	1	19.59					
100	QPSK	1	137	19.56			19.8	0.0	
100	QPSK	1	271	19.46					
100	QPSK	135	0	19.45			19.8	0.0	
100	QPSK	135	69	19.56			19.8	0.0	
100	QPSK	135	138	19.46			19.8	0.0	
100	QPSK	270	0	19.47			19.8	0.0	
100	16QAM	1	1	19.47			19.8	0.0	
100	64QAM	1	1	19.43			19.8	0.0	
100	256QAM	1	1	19.40			19.8	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.50	19.44	19.55	19.8	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.55	19.47	19.53	19.8	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.53	19.51	19.49	19.8	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.54	19.57	19.42	19.8	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.48	19.55	19.47	19.8	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.52	19.45	19.50	19.8	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.56	19.50	19.46	19.8	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.46	19.51	19.45	19.8	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.49	19.46	19.51	19.8	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.54	19.53	19.54	19.8	0.0	



Reduced Power Mode for DS2-Simultaneous

n2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				372000	376000	380000			
Frequency (MHz)									
				1860	1860	1860			
20	PI2 BPSK	1	1	22.53	23.07	22.99			
20	PI2 BPSK	1	53	22.79	22.98	22.82	24.0	0.0	
20	PI2 BPSK	1	104	22.85	22.92	22.90			
20	PI2 BPSK	50	0	22.79	22.95	22.91	24.0	0.0	
20	PI2 BPSK	50	28	22.94	22.96	23.02	24.0	0.0	
20	PI2 BPSK	50	56	22.90	22.92	22.82	24.0	0.0	
20	PI2 BPSK	100	0	22.81	22.90	22.86			
20	QPSK	1	1	22.98	23.14	23.07			
20	QPSK	1	53	22.98	23.09	23.00	24.0	0.0	
20	QPSK	1	104	22.97	22.95	22.97			
20	QPSK	50	0	22.92	22.93	22.94	24.0	0.0	
20	QPSK	50	28	22.93	23.06	22.87	24.0	0.0	
20	QPSK	50	56	22.93	22.99	22.84	24.0	0.0	
20	QPSK	100	0	22.93	23.00	22.97			
20	16QAM	1	1	22.74	22.86	22.71	24.0	0.0	
20	64QAM	1	1	21.70	21.89	21.83	23.0	1.0	
20	256QAM	1	1	20.21	20.32	20.24	21.0	3.0	
Channel									
				371500	376000	380500			
Frequency (MHz)									
				1857.5	1860	1862.5			
15	QPSK	1	1	22.83	23.11	23.00	24.0	0.0	
Channel									
				371000	376000	381000			
Frequency (MHz)									
				1855	1860	1855			
10	QPSK	1	1	22.84	23.09	22.93	24.0	0.0	
Channel									
				370500	376000	381500			
Frequency (MHz)									
				1852.5	1860	1857.5			
5	QPSK	1	1	22.84	23.04	22.92	24.0	0.0	

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				166800	167300	167800			
Frequency (MHz)									
				834	836.5	839			
20	PI2 BPSK	1	1	23.09	23.19	23.14			
20	PI2 BPSK	1	53	22.97	23.04	22.94	24.0	0.0	
20	PI2 BPSK	1	104	22.84	22.96	22.89			
20	PI2 BPSK	50	0	23.00	23.08	22.98	24.0	0.0	
20	PI2 BPSK	50	28	23.09	23.14	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.93	22.96	22.92	24.0	0.0	
20	PI2 BPSK	100	0	22.94	23.00	22.89			
20	QPSK	1	1	23.13	23.22	23.16			
20	QPSK	1	53	23.09	23.19	23.11	24.0	0.0	
20	QPSK	1	104	23.02	23.06	22.91			
20	QPSK	50	0	22.91	22.98	22.89	24.0	0.0	
20	QPSK	50	28	23.09	23.18	23.12	24.0	0.0	
20	QPSK	50	56	22.97	23.02	22.87	24.0	0.0	
20	QPSK	100	0	23.01	23.14	23.07			
20	16QAM	1	1	23.02	23.08	22.95	24.0	0.0	
20	64QAM	1	1	22.57	22.71	22.68	24.0	0.0	
20	256QAM	1	1	21.90	22.04	21.94	23.0	1.0	
Channel									
				166300	167300	168300			
Frequency (MHz)									
				831.5	836.5	841.5			
15	QPSK	1	1	23.03	23.16	23.11	24.0	0.0	
Channel									
				166800	167300	168800			
Frequency (MHz)									
				839	836.5	844			
10	QPSK	1	1	23.08	23.19	23.06	24.0	0.0	
Channel									
				166300	167300	169300			
Frequency (MHz)									
				836.5	836.5	846.5			
5	QPSK	1	1	23.08	23.16	23.06	24.0	0.0	

n7 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				506000	507000	510000			
Frequency (MHz)									
				2530	2530	2530			
40	PI2 BPSK	1	1	21.84	21.90	21.78			
40	PI2 BPSK	1	108	21.76	21.87	21.83	23.0	0.0	
40	PI2 BPSK	1	214	21.81	21.88	21.74			
40	PI2 BPSK	108	0	21.68	21.76	21.69	23.0	0.0	
40	PI2 BPSK	108	54	21.84	21.91	21.87	23.0	0.0	
40	PI2 BPSK	108	108	21.69	21.75	21.72	23.0	0.0	
40	PI2 BPSK	216	0	21.81	21.83	21.74			
40	QPSK	1	1	21.95	21.98	21.83			
40	QPSK	1	108	21.83	21.92	21.81	23.0	0.0	
40	QPSK	1	214	21.89	21.97	21.90			
40	QPSK	108	0	21.74	21.88	21.78	23.0	0.0	
40	QPSK	108	54	21.78	21.85	21.83	23.0	0.0	
40	QPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	QPSK	216	0	21.80	21.92	21.77			
40	16QAM	1	1	21.80	21.84	21.74	23.0	0.0	
40	64QAM	1	1	21.05	21.14	21.09	22.0	1.0	
40	256QAM	1	1	19.15	19.22	19.08	20.0	3.0	
Channel									
				505000	507000	511000			
Frequency (MHz)									
				2515	2535	2555			
30	QPSK	1	1	21.90	21.93	21.71	23.0	0.0	
Channel									
				505000	507000	511500			
Frequency (MHz)									
				2512.5	2535	2577.5			
25	QPSK	1	1	21.85	21.91	21.69	23.0	0.0	
Channel									
				505000	507000	520000			
Frequency (MHz)									
				2510	2535	2590			
20	PI2 BPSK	1	1	21.84	21.86	21.68	23.0	0.0	
Channel									
				504500	507000	525000			
Frequency (MHz)									
				2507.5	2535	2592.5			
15	QPSK	1	1	21.81	21.84	21.74	23.0	0.0	
Channel									
				504000	507000	530000			
Frequency (MHz)									
				2505	2535	2565			
10	QPSK	1	1	21.91	21.95	21.68	23.0	0.0	
Channel									
				503500	507000	535000			
Frequency (MHz)									
				2502.5	2535	2597.5			
5	QPSK	1	1	21.87	21.88	21.80	23.0	0.0	



n12 Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
15	PI2 BPSK	1	1	21.05	21.11	22.57	
15	PI2 BPSK	1	40	22.84	22.92	22.80	24.0
15	PI2 BPSK	1	77	22.75	22.88	22.74	
15	PI2 BPSK	36	0	22.96	23.01	22.86	24.0
15	PI2 BPSK	36	22	23.01	23.06	22.94	24.0
15	PI2 BPSK	36	43	22.90	22.98	22.88	24.0
15	PI2 BPSK	75	0	22.90	23.02	22.96	
15	QPSK	1	1	23.13	23.19	23.12	
15	QPSK	1	40	23.07	23.12	23.08	24.0
15	QPSK	1	77	22.87	22.95	22.90	
15	QPSK	36	0	22.92	23.01	22.89	24.0
15	QPSK	36	22	22.97	23.06	22.97	24.0
15	QPSK	36	43	22.94	22.99	22.89	24.0
15	QPSK	75	0	22.85	23.01	22.90	
15	16QAM	1	1	23.07	23.11	23.07	24.0
15	64QAM	1	1	22.01	22.11	22.03	23.0
15	256QAM	1	1	23.14	23.23	23.17	21.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.03	23.14	23.06	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.99	23.08	23.04	24.0

n13 Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1		23.15		
10	PI2 BPSK	1	26		23.13		24.0
10	PI2 BPSK	1	50		23.06		
10	PI2 BPSK	25	0		22.57		23.5
10	PI2 BPSK	25	14		23.15		24.0
10	PI2 BPSK	25	27		23.01		23.5
10	PI2 BPSK	50	0		23.11		24.0
10	QPSK	1	1		23.29		
10	QPSK	1	26		23.19		24.0
10	QPSK	1	50		23.13		
10	QPSK	25	0		22.46		23.0
10	QPSK	25	14		23.19		24.0
10	QPSK	25	27		22.97		23.0
10	QPSK	50	0		22.58		23.0
10	16QAM	1	1		21.67		23.0
10	64QAM	1	1		20.78		21.5
10	256QAM	1	1		19.36		18.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.20	23.26	23.22	24.0

n14 Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1		23.37		
10	PI2 BPSK	1	26		23.28		24.0
10	PI2 BPSK	1	50		23.33		
10	PI2 BPSK	25	0		23.28		24.0
10	PI2 BPSK	25	14		23.35		24.0
10	PI2 BPSK	25	27		23.28		24.0
10	PI2 BPSK	50	0		23.31		24.0
10	QPSK	1	1		23.43		
10	QPSK	1	26		23.21		24.0
10	QPSK	1	50		23.36		
10	QPSK	25	0		23.31		24.0
10	QPSK	25	14		23.39		24.0
10	QPSK	25	27		23.28		24.0
10	QPSK	50	0		23.33		24.0
10	16QAM	1	1		23.22		24.0
10	64QAM	1	1		22.17		23.0
10	256QAM	1	1		20.40		21.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.32	23.40	23.30	24.0



n25 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
				374000	376500	379000				
Frequency (MHz)										
40	PI2 BPSK	1	1	23.02	23.13	23.12				
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0		
40	PI2 BPSK	1	214	22.98	22.98	23.02				
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0		
40	PI2 BPSK	108	54	23.04	23.11	23.14	24.0	0.0		
40	PI2 BPSK	108	108	22.96	23.07	22.93	24.0	0.0		
40	PI2 BPSK	216	0	22.88	22.96	23.05				
40	QPSK	1	1	23.08	23.25	23.21				
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0		
40	QPSK	1	214	23.02	23.06	23.00				
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0		
40	QPSK	108	54	23.02	23.16	22.97	24.0	0.0		
40	QPSK	108	108	22.98	23.08	22.93	24.0	0.0		
40	QPSK	216	0	23.04	23.12	23.04	24.0	0.0		
40	16QAM	1	1	23.09	23.21	23.16	24.0	0.0		
40	64QAM	1	1	22.08	22.13	22.08	23.0	1.0		
40	256QAM	1	1	20.89	20.74	20.63	21.0	3.0		
Channel										
				372000	375000	380000				
Frequency (MHz)										
30	QPSK	1	1	22.99	23.11	23.06	24.0	0.0		
Channel										
				372500	376500	380500				
Frequency (MHz)										
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0		
Channel										
				372000	376500	381000				
Frequency (MHz)										
20	QPSK	1	1	22.99	23.19	23.08	24.0	0.0		
Channel										
				371500	376500	381500				
Frequency (MHz)										
15	QPSK	1	1	22.97	23.02	23.07	24.0	0.0		
Channel										
				371000	376500	382000				
Frequency (MHz)										
10	QPSK	1	1	22.98	23.21	23.17	24.0	0.0		
Channel										
				370500	376500	382500				
Frequency (MHz)										
5	QPSK	1	1	22.96	23.17	23.14	24.0	0.0		

n26 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
				164800	166300	167800				
Frequency (MHz)										
20	PI2 BPSK	1	1	23.38	23.45	23.33				
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0		
20	PI2 BPSK	1	104	23.02	23.11	23.05				
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0		
20	PI2 BPSK	50	26	23.23	23.31	23.18	24.0	0.0		
20	PI2 BPSK	50	56	23.02	23.15	23.08	24.0	0.0		
20	PI2 BPSK	100	0	23.17	23.28	23.22				
20	QPSK	1	1	23.43	23.49	23.38				
20	QPSK	1	53	23.26	23.40	23.32	24.0	0.0		
20	QPSK	1	104	23.27	23.34	23.22				
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0		
20	QPSK	50	26	23.39	23.43	23.32	24.0	0.0		
20	QPSK	50	56	23.20	23.31	23.26	24.0	0.0		
20	QPSK	100	0	23.31	23.38	23.26	24.0	0.0		
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0		
20	64QAM	1	1	22.31	22.43	22.30	23.0	1.0		
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0		
Channel										
				162300	163300	165300				
Frequency (MHz)										
15	QPSK	1	1	23.39	23.36	23.33	24.0	0.0		
Channel										
				163600	166300	168000				
Frequency (MHz)										
10	QPSK	1	1	23.31	23.39	23.25	24.0	0.0		
Channel										
				163300	166300	169300				
Frequency (MHz)										
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0		

n30 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
				462000						
Frequency (MHz)										
10	PI2 BPSK	1	1	22.91						
10	PI2 BPSK	1	26	22.89			24.0	0.0		
10	PI2 BPSK	1	50	22.82						
10	PI2 BPSK	25	0	22.91			24.0	0.0		
10	PI2 BPSK	25	14	22.92			24.0	0.0		
10	PI2 BPSK	25	27	22.87			24.0	0.0		
10	PI2 BPSK	50	0	22.81						
10	QPSK	1	1	22.93			24.0	0.0		
10	QPSK	1	26	22.91			24.0	0.0		
10	QPSK	1	50	22.90						
10	QPSK	25	0	22.80			24.0	0.0		
10	QPSK	25	14	22.83			24.0	0.0		
10	QPSK	25	27	22.86			24.0	0.0		
10	QPSK	50	0	22.90			24.0	0.0		
10	16QAM	1	1	22.66			24.0	0.0		
10	64QAM	1	1	22.17			23.0	1.0		
10	256QAM	1	1	20.17			21.0	3.0		
Channel										
				461500	462000	462500				
Frequency (MHz)										
5	QPSK	1	1	22.83	22.90	22.81	24.0	0.0		



n66 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Midst Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1725	1745	1760			
40	PI/2 BPSK	1	1	23.16	23.23	23.32			
40	PI/2 BPSK	1	108	23.07	23.35	23.14	24.0	0.0	
40	PI/2 BPSK	1	214	23.23	23.14	23.27			
40	PI/2 BPSK	108	0	23.17	23.27	23.23	24.0	0.0	
40	PI/2 BPSK	108	54	23.22	23.36	23.40	24.0	0.0	
40	PI/2 BPSK	108	108	23.18	23.33	23.13	24.0	0.0	
40	PI/2 BPSK	216	0	23.04	23.22	23.21			
40	QPSK	1	1	23.26	23.45	23.40			
40	QPSK	1	108	23.37	23.34	23.37	24.0	0.0	
40	QPSK	1	214	23.26	23.26	23.25			
40	QPSK	108	0	23.16	23.16	23.13	24.0	0.0	
40	QPSK	108	54	23.22	23.39	23.24	24.0	0.0	
40	QPSK	108	108	23.16	23.29	23.16	24.0	0.0	
40	QPSK	216	0	23.21	23.35	23.22	24.0	0.0	
40	16QAM	1	1	22.70	22.48	22.63	24.0	0.0	
40	16QAM	1	1	21.62	21.37	21.54	23.0	1.0	
40	256QAM	1	1	20.39	20.24	20.44	21.0	3.0	
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.16	23.39	23.35	24.0	0.0	
Channel				348000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.13	23.41	23.35	24.0	0.0	
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
15	QPSK	1	1	23.22	23.34	23.33	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.22	23.34	23.33	24.0	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	23.14	23.38	23.30	24.0	0.0	

n70 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Midst Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340000	340000	340000			
Frequency (MHz)				1722.5					
15	PI/2 BPSK	1	1		20.93				
15	PI/2 BPSK	1	40		20.92		22.0	0.0	
15	PI/2 BPSK	1	77		20.86				
15	PI/2 BPSK	36	0		20.74		22.0	0.0	
15	PI/2 BPSK	36	22		20.83		22.0	0.0	
15	PI/2 BPSK	36	43		20.77		22.0	0.0	
15	PI/2 BPSK	75	0		20.81				
15	QPSK	1	1		21.00				
15	QPSK	1	40		20.96		22.0	0.0	
15	QPSK	1	77		20.94				
15	QPSK	36	0		20.79		21.0	1.0	
15	QPSK	36	22		20.82		22.0	0.0	
15	QPSK	36	43		20.67		21.0	1.0	
15	QPSK	75	0		20.76		21.0	1.0	
15	16QAM	1	1		19.05		21.0		
15	16QAM	1	1		18.01		19.5	2.5	
15	256QAM	1	1		16.67		17.5	4.5	
Channel				340000	340000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	20.85	20.91	20.88	22.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	20.89	20.95	20.89	22.0	0.0	



n71 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up Init (dBm)	MPR (dB)	
				Low Ch. / Freq.	Midle Ch. / Freq.	High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	23.27	23.32	23.34			
20	PI2 BPSK	1	53	23.19	23.28	23.17	24.0	0.0	
20	PI2 BPSK	1	104	23.09	23.22	23.19			
20	PI2 BPSK	50	0	23.16	23.26	23.18	24.0	0.0	
20	PI2 BPSK	50	99	23.21	23.29	23.17	24.0	0.0	
20	PI2 BPSK	50	56	23.03	23.18	23.14	24.0	0.0	
20	PI2 BPSK	100	0	23.10	23.22	23.09			
20	QPSK	1	1	23.27	23.36	23.34			
20	QPSK	1	53	23.17	23.21	23.28	24.0	0.0	
20	QPSK	1	104	23.18	23.29	23.23			
20	QPSK	50	0	23.11	23.23	23.11	24.0	0.0	
20	QPSK	50	28	23.20	23.33	23.21	24.0	0.0	
20	QPSK	50	56	23.13	23.23	23.11	24.0	0.0	
20	QPSK	100	0	23.14	23.26	23.14			
20	16QAM	1	1	22.76	22.88	22.84	24.0	0.0	
20	64QAM	1	1	22.10	22.19	22.12	23.0	1.0	
20	256QAM	1	1	20.53	20.57	20.49	21.0	3.0	
Channel				134100	135100	136100	Tune-up Init (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	23.15	23.35	23.26	24.0	0.0	
Channel				130600	130100	130600	Tune-up Init (dBm)	MPR (dB)	
Frequency (MHz)				668	660.5	668			
10	QPSK	1	1	23.12	23.33	23.28	24.0	0.0	
Channel				133100	136100	139100	Tune-up Init (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	23.19	23.27	23.21	24.0	0.0	



n38 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				516004	516000	516996			
40	PI2 BPSK	1	1	2169	2197	2189			
40	PI2 BPSK	1	53	2178	2189	2174	23.0	0.0	
40	PI2 BPSK	1	104	2173	2186	2169			
40	PI2 BPSK	50	0	2181	2189	2171	23.0	0.0	
40	PI2 BPSK	50	28	2192	2196	2183	23.0	0.0	
40	PI2 BPSK	50	56	2184	2181	2168			
40	PI2 BPSK	100	0	2189	2182	2178	23.0	0.0	
40	QPSK	1	1	2194	2207	2196			
40	QPSK	1	53	2188	2201	2186	23.0	0.0	
40	QPSK	1	104	2185	2191	2170			
40	QPSK	50	0	2171	2190	2185	23.0	0.0	
40	QPSK	50	28	2187	2199	2180	23.0	0.0	
40	QPSK	50	56	2170	2184	2177			
40	QPSK	100	0	2178	2193	2173	23.0	0.0	
40	16QAM	1	1	2127	2125	2118	23.0	0.0	
40	64QAM	1	1	2044	2050	2042	21.5	1.5	
40	256QAM	1	1	1876	1877	1868	18.5	3.5	
Channel									
Frequency (MHz)				2565.01	2595	2604.99			
30	QPSK	1	1	2186	2204	2189	23.0	0.0	
Channel									
Frequency (MHz)				516004	516000	521496			
25	QPSK	1	1	2187	2203	2193	23.0	0.0	
Channel									
Frequency (MHz)				516000	516000	520000			
20	QPSK	1	1	2192	2204	2189	23.0	0.0	
Channel									
Frequency (MHz)				515502	516000	522498			
15	QPSK	1	1	2179	2205	2194	23.0	0.0	
Channel									
Frequency (MHz)				515001	516000	523999			
10	QPSK	1	1	2178	2205	2188	23.0	0.0	

n41 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				505202	516998	526000			
100	PI2 BPSK	1	1	2150	2202	2154			
100	PI2 BPSK	1	137	2182	2196	2189	23.0	0.0	
100	PI2 BPSK	1	271	2179	2189	2181			
100	PI2 BPSK	135	0	2134	2144	2130	22.5	0.5	
100	PI2 BPSK	135	69	2193	2204	2192	23.0	0.0	
100	PI2 BPSK	135	138	2134	2141	2135			
100	PI2 BPSK	270	0	2135	2149	2141	22.5	0.5	
100	QPSK	1	1	2195	2208	2197			
100	QPSK	1	137	2186	2199	2189	23.0	0.0	
100	QPSK	1	271	2191	2195	2189			
100	QPSK	135	0	2091	2101	2090	22.0	1.0	
100	QPSK	135	69	2195	2199	2185	23.0	0.0	
100	QPSK	135	138	2098	2101	2093	22.0	1.0	
100	QPSK	270	0	2090	2094	2081	22.0	1.0	
100	16QAM	1	1	2097	2103	2089	22.0	1.0	
100	64QAM	1	1	1902	1916	1903	20.5	2.5	
100	256QAM	1	1	1748	1758	1749	18.5	4.5	
Channel									
Frequency (MHz)				505203	516998	526000			
80	QPSK	1	1	2190	2197	2189	23.0	0.0	
Channel									
Frequency (MHz)				507204	516998	529998			
80	QPSK	1	1	2188	2196	2186	23.0	0.0	
Channel									
Frequency (MHz)				505202	516998	531000			
70	QPSK	1	1	2190	2200	2189	23.0	0.0	
Channel									
Frequency (MHz)				505200	516998	531998			
60	QPSK	1	1	2192	2196	2185	23.0	0.0	
Channel									
Frequency (MHz)				2521.02	2592.99	2604.99			
50	QPSK	1	1	2184	2202	2182	23.0	0.0	
Channel									
Frequency (MHz)				505202	516998	534000			
40	QPSK	1	1	2198	2204	2192	23.0	0.0	
Channel									
Frequency (MHz)				502200	516998	534999			
30	QPSK	1	1	2511	2592.99	2674.98			
Channel									
Frequency (MHz)				505201	516998	535999			
20	QPSK	1	1	2183	2198	2180	23.0	0.0	



n41 PC2 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	526600		
Frequency (MHz)				2544.01	2592.99	2640		
100	PI2 BPSK	1	1	24.84	24.92	24.77		
100	PI2 BPSK	1	137	24.76	24.86	24.74	26.0	0.0
100	PI2 BPSK	1	271	24.73	24.81	24.70		
100	PI2 BPSK	135	0	24.69	24.77	24.73	26.0	0.0
100	PI2 BPSK	135	69	24.78	24.88	24.73	26.0	0.0
100	PI2 BPSK	135	138	24.60	24.75	24.63	26.0	0.0
100	PI2 BPSK	270	0	24.73	24.78	24.76		
100	QPSK	1	1	24.88	24.96	24.84		
100	QPSK	1	137	24.83	24.91	24.77	26.0	0.0
100	QPSK	1	271	24.70	24.83	24.73		
100	QPSK	135	0	24.30	24.40	24.37	25.5	0.5
100	QPSK	135	69	24.80	24.90	24.77	26.0	0.0
100	QPSK	135	138	24.32	24.38	24.27	25.5	0.5
100	QPSK	270	0	24.28	24.47	24.31		
100	16QAM	1	1	24.24	24.30	24.24	25.5	0.5
100	64QAM	1	1	22.57	22.62	22.52	24.0	2.0
100	256QAM	1	1	20.16	20.30	20.15	22.0	4.0
Channel				510000	519598	529998		
Frequency (MHz)				2544	2592.99	2644.98		
90	QPSK	1	1	24.85	24.87	24.80	26.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2644.99		
80	QPSK	1	1	24.76	24.84	24.71	26.0	0.0
Channel				506002	518598	531000		
Frequency (MHz)				2531.01	2592.99	2695		
70	QPSK	1	1	24.76	24.90	24.77	26.0	0.0
Channel				505000	518598	531998		
Frequency (MHz)				2458	2592.99	2659.98		
60	QPSK	1	1	24.83	24.82	24.76	26.0	0.0
Channel				500204	518598	532000		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.79	24.88	24.80	26.0	0.0
Channel				503002	518598	534000		
Frequency (MHz)				2416.01	2592.99	2690		
40	QPSK	1	1	24.74	24.89	24.72	26.0	0.0
Channel				502000	518598	534998		
Frequency (MHz)				2311	2592.99	2674.98		
30	QPSK	1	1	24.83	24.91	24.76	26.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2606.02	2692.99	2679.99		
20	QPSK	1	1	24.84	24.88	24.78	26.0	0.0

n48 Part96 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	646332		
Frequency (MHz)				3370	3624.99	3676.98		
40	PI2 BPSK	1	1	20.87	21.01	20.85		
40	PI2 BPSK	1	53	20.85	20.99	20.88	22.0	0.0
40	PI2 BPSK	1	104	20.91	20.95	20.91		
40	PI2 BPSK	50	0	20.30	20.40	20.34	21.5	0.5
40	PI2 BPSK	50	25	20.84	20.97	20.82	22.0	0.0
40	PI2 BPSK	50	56	20.34	20.39	20.34	21.5	0.5
40	PI2 BPSK	100	0	20.38	20.43	20.34		
40	QPSK	1	1	20.99	21.09	20.94		
40	QPSK	1	53	20.93	21.03	20.97	22.0	0.0
40	QPSK	1	104	20.95	20.95	20.93		
40	QPSK	50	0	20.02	20.13	19.98	21.0	1.0
40	QPSK	50	25	20.94	21.05	20.88	22.0	0.0
40	QPSK	50	56	19.88	20.04	19.82	21.0	1.0
40	QPSK	100	0	19.94	20.07	20.03		
40	16QAM	1	1	19.90	19.98	19.81	21.0	1.0
40	64QAM	1	1	18.57	18.78	18.64	19.5	2.5
40	256QAM	1	1	16.62	16.59	16.67	17.5	4.5
Channel				637000	641666	646332		
Frequency (MHz)				3655.02	3624.99	3684.99		
30	QPSK	1	1	20.87	21.03	20.83	22.0	0.0
Channel				637000	641666	646000		
Frequency (MHz)				3662.01	3624.99	3690		
20	QPSK	1	1	20.90	20.94	20.79	22.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3555	3624.99	3684.98		
10	QPSK	1	1	20.65	20.99	20.89	22.0	0.0



Part270 n77 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.81	22.84	22.81			
100	PI2 BPSK	1	137	22.94	23.02	22.97	24.0	0.0	
100	PI2 BPSK	1	271	22.77	22.89	22.77			
100	PI2 BPSK	135	0	22.74	22.80	22.74	24.0	0.0	
100	PI2 BPSK	135	69	22.96	22.97	22.93	24.0	0.0	
100	PI2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0	
100	PI2 BPSK	270	0	22.82	22.82	22.81			
100	QPSK	1	1	22.88	23.06	23.04			
100	QPSK	1	137	22.86	22.96	22.83	24.0	0.0	
100	QPSK	1	271	22.87	22.99	22.88			
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0	
100	QPSK	135	69	22.92	23.03	22.90	24.0	0.0	
100	QPSK	135	138	22.94	22.88	22.89	24.0	0.0	
100	QPSK	270	0	22.84	22.80	22.77			
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0	
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0	
100	256QAM	1	1	20.10	20.24	20.10	21.0	3.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.82	22.96	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.73	22.89	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.81	22.98	22.99	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.74	22.90	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.71	22.89	22.90	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.76	23.00	22.87	24.0	0.0	

Part270 n77 PC2 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	25.86	25.92	25.80			
100	PI2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0	
100	PI2 BPSK	1	271	25.88	26.07	26.03			
100	PI2 BPSK	135	0	25.80	25.84	25.79	27.0	0.0	
100	PI2 BPSK	135	69	25.86	26.02	25.86	27.0	0.0	
100	PI2 BPSK	135	138	25.82	26.06	25.90	27.0	0.0	
100	PI2 BPSK	270	0	25.70	25.91	25.87			
100	QPSK	1	1	25.80	26.13	26.08			
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0	
100	QPSK	1	271	25.83	26.03	25.87			
100	QPSK	135	0	25.84	25.82	25.76	27.0	0.0	
100	QPSK	135	69	25.90	26.10	26.00	27.0	0.0	
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0	
100	QPSK	270	0	25.77	25.97	25.81			
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0	
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5	
100	256QAM	1	1	23.10	23.40	23.20	24.5	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.60	25.97	25.87	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.75	26.02	26.05	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.76	26.00	25.95	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.77	25.98	26.04	27.0	0.0	



Part27Q n77 Ant0

EW (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								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.24	23.32	23.32	24.0	0.0
100	PI2 BPSK	1	137	23.32	23.32	23.32	24.0	0.0
100	PI2 BPSK	1	271	23.28	23.28	23.28	24.0	0.0
100	PI2 BPSK	135	0	23.22	23.22	23.22	24.0	0.0
100	PI2 BPSK	135	69	23.22	23.22	23.22	24.0	0.0
100	PI2 BPSK	135	138	23.28	23.28	23.28	24.0	0.0
100	PI2 BPSK	270	0	23.20	23.20	23.20	24.0	0.0
100	QPSK	1	1	23.36	23.36	23.36	24.0	0.0
100	QPSK	1	137	23.28	23.28	23.28	24.0	0.0
100	QPSK	1	271	23.24	23.24	23.24	24.0	0.0
100	QPSK	135	0	23.24	23.24	23.24	24.0	0.0
100	QPSK	135	69	23.28	23.28	23.28	24.0	0.0
100	QPSK	135	138	23.24	23.24	23.24	24.0	0.0
100	QPSK	270	0	23.22	23.22	23.22	24.0	0.0
100	16QAM	1	1	23.21	23.21	23.21	24.0	0.0
100	16QAM	1	1	22.32	22.32	22.32	23.0	1.0
100	256QAM	1	1	20.90	20.90	20.90	21.0	3.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.21	23.27	23.17	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.28	23.24	23.26	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3485.02	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.20	23.23	23.15	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.22	23.32	23.19	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.16	23.20	23.17	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	63050	63334	63590	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.17	23.26	23.18	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3462.6	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.29	23.25	23.13	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.21	23.24	23.15	24.0	0.0

Part27Q n77 PC2 Ant0

EW (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								
Frequency (MHz)								
100	PI2 BPSK	1	1	26.3	26.39	26.39	27.0	0.0
100	PI2 BPSK	1	137	26.39	26.39	26.39	27.0	0.0
100	PI2 BPSK	1	271	26.38	26.38	26.38	27.0	0.0
100	PI2 BPSK	135	0	26.33	26.33	26.33	27.0	0.0
100	PI2 BPSK	135	69	26.29	26.29	26.29	27.0	0.0
100	PI2 BPSK	135	138	26.35	26.35	26.35	27.0	0.0
100	PI2 BPSK	270	0	26.30	26.30	26.30	27.0	0.0
100	QPSK	1	1	26.46	26.46	26.46	27.0	0.0
100	QPSK	1	137	26.36	26.36	26.36	27.0	0.0
100	QPSK	1	271	26.31	26.31	26.31	27.0	0.0
100	QPSK	135	0	26.29	26.29	26.29	27.0	0.0
100	QPSK	135	69	26.35	26.35	26.35	27.0	0.0
100	QPSK	135	138	26.26	26.26	26.26	27.0	0.0
100	QPSK	270	0	26.40	26.40	26.40	27.0	0.0
100	16QAM	1	1	26.29	26.29	26.29	27.0	0.0
100	16QAM	1	1	26.08	26.08	26.08	26.5	0.5
100	256QAM	1	1	24.11	24.11	24.11	24.5	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.30	26.34	26.43	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.38	26.40	26.29	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3485.02	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.36	26.31	26.34	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.38	26.33	26.37	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.42	26.30	26.32	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	63050	63334	63590	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.36	26.38	26.41	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3462.6	3500.01	3542.62	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.42	26.33	26.37	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.35	26.31	26.34	27.0	0.0



Part270 n78 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 650000	Middle Ch. / Freq. 650000	High Ch. / Freq. 650000			
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.85	22.85	22.85	24.0	0.0	
100	PI2 BPSK	1	137	22.80	22.80	22.80			
100	PI2 BPSK	1	271	22.74	22.74	22.74			
100	PI2 BPSK	135	0	22.85	22.85	22.85	24.0	0.0	
100	PI2 BPSK	135	69	22.73	22.73	22.73	24.0	0.0	
100	PI2 BPSK	135	138	22.84	22.84	22.84	24.0	0.0	
100	PI2 BPSK	270	0	22.75	22.75	22.75	24.0	0.0	
100	QPSK	1	1	22.89	22.89	22.89	24.0	0.0	
100	QPSK	1	137	22.81	22.81	22.81			
100	QPSK	1	271	22.72	22.72	22.72			
100	QPSK	135	0	22.75	22.75	22.75	23.5	0.5	
100	QPSK	135	69	22.83	22.83	22.83	24.0	0.0	
100	QPSK	135	138	22.75	22.75	22.75	23.5	0.5	
100	QPSK	270	0	22.85	22.85	22.85	24.0	0.0	
100	16QAM	1	1	22.25	22.25	22.25	23.5	0.5	
100	64QAM	1	1	23.83	23.83	23.83	22.0	2.0	
100	256QAM	1	1	19.01	19.01	19.01	20.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.71	22.84	22.79	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.81	22.73	22.69	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.83	22.70	22.69	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.73	22.80	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.75	22.75	22.73	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.78	22.85	22.67	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.82	22.72	22.74	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.81	22.83	22.70	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.83	22.73	22.72	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.74	22.80	22.72	24.0	0.0	

Part270 n78 PC2 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 650000	Middle Ch. / Freq. 650000	High Ch. / Freq. 650000			
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	25.83	25.83	25.83	27.0	0.0	
100	PI2 BPSK	1	137	25.82	25.82	25.82			
100	PI2 BPSK	1	271	25.85	25.85	25.85			
100	PI2 BPSK	135	0	25.90	25.90	25.90	27.0	0.0	
100	PI2 BPSK	135	69	25.86	25.86	25.86	27.0	0.0	
100	PI2 BPSK	135	138	25.91	25.91	25.91	27.0	0.0	
100	PI2 BPSK	270	0	25.87	25.87	25.87	27.0	0.0	
100	QPSK	1	1	25.97	25.97	25.97	27.0	0.0	
100	QPSK	1	137	25.90	25.90	25.90			
100	QPSK	1	271	25.94	25.94	25.94			
100	QPSK	135	0	25.83	25.83	25.83	27.0	0.0	
100	QPSK	135	69	25.93	25.93	25.93	27.0	0.0	
100	QPSK	135	138	25.94	25.94	25.94	27.0	0.0	
100	QPSK	270	0	25.91	25.91	25.91	27.0	0.0	
100	16QAM	1	1	25.58	25.58	25.58	27.0	0.0	
100	64QAM	1	1	24.18	24.18	24.18	25.5	1.5	
100	256QAM	1	1	22.23	22.23	22.23	23.5	3.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.83	25.83	25.83	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.91	25.83	25.79	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.81	25.85	25.81	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.91	25.85	25.83	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.91	25.94	25.83	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.78	25.83	25.81	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.85	25.84	25.87	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.92	25.92	25.85	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.78	25.91	25.77	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.80	25.91	25.77	27.0	0.0	



Part27Q n78 Ant0

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								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.22	3000.01			
100	PI2 BPSK	1	137	23.18			24.0	0.0
100	PI2 BPSK	1	271	23.29				
100	PI2 BPSK	135	0	23.22			24.0	0.0
100	PI2 BPSK	135	69	23.38			24.0	0.0
100	PI2 BPSK	135	138	23.29			24.0	0.0
100	PI2 BPSK	270	0	23.17				
100	QPSK	1	1	23.32				
100	QPSK	1	137	23.24			24.0	0.0
100	QPSK	1	271	23.17				
100	QPSK	135	0	23.18			23.5	0.5
100	QPSK	135	69	23.23			24.0	0.0
100	QPSK	135	138	23.17			23.5	0.5
100	QPSK	270	0	23.29				
100	16QAM	1	1	23.13			23.5	0.5
100	16QAM	1	1	21.58			22.0	2.0
100	256QAM	1	1	19.47			20.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.17	23.23	23.18	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.15	23.24	23.21	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.22	23.29	23.14	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.09	23.22	23.19	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.10	23.20	23.19	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.22	23.20	23.17	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.10	23.19	23.20	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.24	23.27	23.16	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.23	23.26	23.20	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.14	23.19	23.25	24.0	0.0

Part27Q n78 PC2 Ant0

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								
Frequency (MHz)								
100	PI2 BPSK	1	1	28.24	3000.01			
100	PI2 BPSK	1	137	28.33			27.0	0.0
100	PI2 BPSK	1	271	28.28				
100	PI2 BPSK	135	0	28.22			27.0	0.0
100	PI2 BPSK	135	69	28.32			27.0	0.0
100	PI2 BPSK	135	138	28.27			27.0	0.0
100	PI2 BPSK	270	0	28.26				
100	QPSK	1	1	28.38				
100	QPSK	1	137	28.26			27.0	0.0
100	QPSK	1	271	28.25				
100	QPSK	135	0	28.30			27.0	0.0
100	QPSK	135	69	28.35			27.0	0.0
100	QPSK	135	138	28.32			27.0	0.0
100	QPSK	270	0	28.23				
100	16QAM	1	1	26.16			27.0	0.0
100	16QAM	1	1	25.20			25.5	1.5
100	256QAM	1	1	23.10			23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	28.16	28.26	28.22	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	28.24	28.24	28.24	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	28.22	28.29	28.29	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	28.20	28.26	28.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	28.28	28.29	28.28	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	28.18	28.23	28.29	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	28.24	28.24	28.29	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	28.22	28.27	28.20	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	28.18	28.35	28.28	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	28.25	28.32	28.27	27.0	0.0



n2 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1660	1680	1690			
20	PI2 BPSK	1	1	21.58	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.60	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.50	19.21	19.29	22.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
Frequency (MHz)				37000	37600	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
Frequency (MHz)				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.32	21.40	21.24	23.0	0.0	

n5 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				16680	16790	16760			
20	PI2 BPSK	1	1	21.80	21.66	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.88	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.36	22.0	1.0	
Channel									
Frequency (MHz)				16200	16200	16200	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
Frequency (MHz)				16580	16700	16800	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
Frequency (MHz)				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				50400	50700	51000			
40	PI2 BPSK	1	1	22.18	22.23	22.14			
40	PI2 BPSK	1	108	22.07	22.14	22.00	23.0	0.0	
40	PI2 BPSK	1	214	22.06	22.11	21.99			
40	PI2 BPSK	108	0	22.03	22.17	22.10	23.0	0.0	
40	PI2 BPSK	108	54	22.09	22.21	22.13	23.0	0.0	
40	PI2 BPSK	108	108	22.08	22.16	22.04	23.0	0.0	
40	PI2 BPSK	216	0	22.14	22.20	22.16			
40	QPSK	1	1	22.13	22.26	22.21			
40	QPSK	1	108	22.08	22.20	22.17	23.0	0.0	
40	QPSK	1	214	22.11	22.14	22.09			
40	QPSK	108	0	21.97	22.10	21.97	23.0	0.0	
40	QPSK	108	54	22.14	22.17	22.07	23.0	0.0	
40	QPSK	108	108	21.93	22.02	21.94	23.0	0.0	
40	QPSK	216	0	21.94	22.05	22.04			
40	16QAM	1	1	21.69	21.83	21.76	22.0	1.0	
40	64QAM	1	1	21.05	21.09	20.96	22.0	1.0	
40	256QAM	1	1	19.53	19.63	19.86	20.0	3.0	
Channel									
Frequency (MHz)				52000	52000	52000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.15	22.15	22.11	23.0	0.0	
Channel									
Frequency (MHz)				50200	50700	51200	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	22.11	22.20	22.14	23.0	0.0	
Channel									
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	22.08	22.11	22.18	23.0	0.0	
Channel									
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.07	22.16	22.10	23.0	0.0	
Channel									
Frequency (MHz)				2905	2935	2965	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.11	22.21	22.11	23.0	0.0	
Channel									
Frequency (MHz)				50000	50700	51000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.13	22.22	22.15	23.0	0.0	



n12 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	21.82	21.86	21.78		
15	PI2 BPSK	1	40	21.64	21.71	21.60	23.0	0.0
15	PI2 BPSK	1	77	21.49	21.59	21.48		
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0	0.0
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0	0.0
15	PI2 BPSK	36	43	21.64	21.69	21.66	23.0	0.0
15	PI2 BPSK	75	0	21.71	21.79	21.70		
15	QPSK	1	1	21.87	21.95	21.82		
15	QPSK	1	40	21.76	21.86	21.74	23.0	0.0
15	QPSK	1	77	21.70	21.79	21.67		
15	QPSK	36	0	21.64	21.73	21.60	23.0	0.0
15	QPSK	36	22	21.83	21.86	21.79	23.0	0.0
15	QPSK	36	43	21.62	21.73	21.64	23.0	0.0
15	QPSK	75	0	21.72	21.75	21.74		
15	16QAM	1	1	21.53	21.63	21.52	23.0	0.0
15	64QAM	1	1	20.83	20.93	20.89	22.0	1.0
15	256QAM	1	1	19.33	19.41	19.29	20.0	3.0
Channel								
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	21.82	21.88	21.69	23.0	0.0
Channel								
Frequency (MHz)				140390	141950	142700		
Channel								
Frequency (MHz)				707.5	707.5	713.5		
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0

n13 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				722				
10	PI2 BPSK	1	1	21.84				
10	PI2 BPSK	1	26	21.79			23.0	0.0
10	PI2 BPSK	1	50	21.72				
10	PI2 BPSK	25	0	20.93			22.5	0.5
10	PI2 BPSK	25	14	21.88			23.0	0.0
10	PI2 BPSK	25	27	21.76			22.5	0.5
10	PI2 BPSK	50	0	21.81				
10	QPSK	1	1	21.94				
10	QPSK	1	26	21.87			23.0	0.0
10	QPSK	1	50	21.83				
10	QPSK	25	0	20.89			22.0	1.0
10	QPSK	25	14	21.89			23.0	0.0
10	QPSK	25	27	21.13			22.0	1.0
10	QPSK	50	0	21.13				
10	16QAM	1	1	20.71			22.0	1.0
10	64QAM	1	1	19.53			20.5	2.5
10	256QAM	1	1	18.22			18.5	4.5
Channel								
Frequency (MHz)				155500	156000	156900		
5	QPSK	1	1	21.80	21.87	21.61	23.0	0.0

n14 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				793				
10	PI2 BPSK	1	1	21.88				
10	PI2 BPSK	1	26	21.90			23.0	0.0
10	PI2 BPSK	1	50	21.86				
10	PI2 BPSK	25	0	21.89			23.0	0.0
10	PI2 BPSK	25	14	21.95			23.0	0.0
10	PI2 BPSK	25	27	21.86			23.0	0.0
10	PI2 BPSK	50	0	21.93				
10	QPSK	1	1	22.04				
10	QPSK	1	26	22.01			23.0	0.0
10	QPSK	1	50	21.96				
10	QPSK	25	0	21.94			23.0	0.0
10	QPSK	25	14	21.99			23.0	0.0
10	QPSK	25	27	21.87			23.0	0.0
10	QPSK	50	0	21.94				
10	16QAM	1	1	21.88			23.0	0.0
10	64QAM	1	1	20.85			22.0	1.0
10	256QAM	1	1	19.09			20.0	3.0
Channel								
Frequency (MHz)				158100	159000	159300		
5	QPSK	1	1	21.93	21.98	21.91	23.0	0.0



n25 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1670	1682.5	1695			
40	PI/2 BPSK	1	1	21.59	21.43	21.33	23.0	0.0	
40	PI/2 BPSK	1	108	21.32	21.37	21.22			
40	PI/2 BPSK	1	214	21.34	21.40	21.28			
40	PI/2 BPSK	108	0	21.35	21.39	21.32	23.0	0.0	
40	PI/2 BPSK	108	54	21.35	21.45	21.38	23.0	0.0	
40	PI/2 BPSK	108	108	21.31	21.34	21.27	23.0	0.0	
40	PI/2 BPSK	216	0	21.28	21.38	21.26			
40	QPSK	1	1	21.49	21.52	21.45			
40	QPSK	1	108	21.37	21.46	21.40	23.0	0.0	
40	QPSK	1	214	21.30	21.42	21.34			
40	QPSK	108	0	21.32	21.38	21.29	23.0	0.0	
40	QPSK	108	54	21.42	21.49	21.38	23.0	0.0	
40	QPSK	108	108	21.38	21.41	21.37	23.0	0.0	
40	QPSK	216	0	21.36	21.44	21.33			
40	16QAM	1	1	21.33	21.37	21.28	23.0	0.0	
40	64QAM	1	1	20.32	20.42	20.37	22.0	1.0	
40	256QAM	1	1	19.07	19.13	19.06	23.0	3.0	
Channel									
Frequency (MHz)				1685	1692.5	1690			
30	QPSK	1	1	21.42	21.47	21.35	23.0	0.0	
Channel									
Frequency (MHz)				372000	376500	380500			
25	QPSK	1	1	21.35	21.41	21.38	23.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	21.39	21.43	21.33	23.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	21.34	21.40	21.34	23.0	0.0	
Channel									
Frequency (MHz)				371500	376500	382000			
10	QPSK	1	1	21.45	21.49	21.36	23.0	0.0	
Channel									
Frequency (MHz)				370500	376500	382000			
5	QPSK	1	1	21.38	21.43	21.38	23.0	0.0	

n26 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				164800	166300	167600			
20	PI/2 BPSK	1	1	22.07	22.11	22.02			
20	PI/2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0	
20	PI/2 BPSK	1	104	21.85	21.91	21.80			
20	PI/2 BPSK	50	0	21.87	21.99	21.88	23.0	0.0	
20	PI/2 BPSK	50	28	21.94	22.06	21.94	23.0	0.0	
20	PI/2 BPSK	50	56	21.83	21.91	21.81	23.0	0.0	
20	PI/2 BPSK	100	0	21.92	22.01	21.92			
20	QPSK	1	1	22.03	22.15	22.04			
20	QPSK	1	53	21.99	22.10	22.07	23.0	0.0	
20	QPSK	1	104	21.91	22.05	21.94			
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0	
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0	
20	QPSK	50	56	21.92	21.99	21.83	23.0	0.0	
20	QPSK	100	0	22.02	22.08	21.94			
20	16QAM	1	1	21.84	21.75	21.69	23.0	0.0	
20	64QAM	1	1	20.86	21.11	21.08	22.0	1.0	
20	256QAM	1	1	19.32	19.41	19.29	23.0	3.0	
Channel									
Frequency (MHz)				163800	166300	168300			
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0	
Channel									
Frequency (MHz)				163800	166300	168300			
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0	
Channel									
Frequency (MHz)				163800	166300	169300			
5	QPSK	1	1	21.95	22.00	21.91	23.0	0.0	

n30 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					2310				
10	PI/2 BPSK	1	1		21.73				
10	PI/2 BPSK	1	26		21.79		23.0	0.0	
10	PI/2 BPSK	1	50		21.73				
10	PI/2 BPSK	25	0		21.69		23.0	0.0	
10	PI/2 BPSK	25	14		21.59		23.0	0.0	
10	PI/2 BPSK	25	27		21.68		23.0	0.0	
10	PI/2 BPSK	50	0		21.65				
10	QPSK	1	1		21.85				
10	QPSK	1	26		21.81		23.0	0.0	
10	QPSK	1	50		21.74				
10	QPSK	25	0		21.71		23.0	0.0	
10	QPSK	25	14		21.81		23.0	0.0	
10	QPSK	25	27		21.87		23.0	0.0	
10	QPSK	50	0		21.72				
10	16QAM	1	1		21.69		23.0	0.0	
10	64QAM	1	1		20.73		22.0	1.0	
10	256QAM	1	1		19.89		20.0	3.0	
Channel									
Frequency (MHz)				451500	452500	452500			
5	QPSK	1	1	21.79	21.70	21.79	23.0	0.0	



n66 Ant1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				346000	349000	352000	
Frequency (MHz)							
40	PI/2 BPSK	1	1	21.67	21.73	21.81	
40	PI/2 BPSK	1	108	21.49	21.81	21.55	23.0
40	PI/2 BPSK	1	214	21.58	21.83	21.80	
40	PI/2 BPSK	108	0	21.50	21.59	21.48	23.0
40	PI/2 BPSK	108	54	21.85	21.70	21.56	23.0
40	PI/2 BPSK	108	108	21.50	21.58	21.52	23.0
40	PI/2 BPSK	216	0	21.59	21.64	21.52	23.0
40	QPSK	1	1	21.67	21.79	21.74	
40	QPSK	1	108	21.82	21.72	21.83	23.0
40	QPSK	1	214	21.57	21.87	21.54	
40	QPSK	108	0	21.57	21.82	21.57	23.0
40	QPSK	108	54	21.82	21.74	21.80	23.0
40	QPSK	108	108	21.80	21.88	21.55	23.0
40	QPSK	216	0	21.67	21.71	21.84	23.0
40	16QAM	1	1	21.52	21.83	21.52	23.0
40	64QAM	1	1	20.92	20.97	20.93	22.0
40	256QAM	1	1	19.02	19.77	19.88	23.0
Channel				350000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)							
30	QPSK	1	1	21.84	21.70	21.80	23.0
Channel				345000	345000	354000	Tune-up limit (dBm)
Frequency (MHz)							
15	QPSK	1	1	21.54	21.75	21.54	23.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)							
10	QPSK	1	1	21.60	21.73	21.82	23.0
Channel				345000	345000	355000	Tune-up limit (dBm)
Frequency (MHz)							
5	QPSK	1	1	21.52	21.71	21.88	23.0

n70 Ant1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				346000	349000	352000	
Frequency (MHz)							
15	PI/2 BPSK	1	1	21.50			
15	PI/2 BPSK	1	40	21.87			23.0
15	PI/2 BPSK	1	77	21.82			
15	PI/2 BPSK	36	0	21.34			22.5
15	PI/2 BPSK	36	23	21.86			23.0
15	PI/2 BPSK	36	43	21.26			22.5
15	PI/2 BPSK	75	0	21.32			22.5
15	QPSK	1	1	21.95			
15	QPSK	1	40	21.83			23.0
15	QPSK	1	77	21.86			
15	QPSK	36	0	21.35			22.0
15	QPSK	36	22	21.88			23.0
15	QPSK	36	43	21.40			22.0
15	QPSK	75	0	21.32			22.0
15	16QAM	1	1	21.34			22.0
15	64QAM	1	1	19.88			20.5
15	256QAM	1	1	17.92			18.5
Channel				340000	345000	341000	Tune-up limit (dBm)
Frequency (MHz)							
10	QPSK	1	1	21.84	21.92	21.81	23.0
Channel				335000	340000	341000	Tune-up limit (dBm)
Frequency (MHz)							
5	QPSK	1	1	21.81	21.88	21.83	23.0



n71 Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.07	22.18	22.14		
20	PI2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI2 BPSK	1	104	21.91	22.08	21.99		
20	PI2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI2 BPSK	50	58	22.03	22.07	21.98		
20	PI2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.18	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	58	21.91	22.06	21.98	23.0	0.0
20	QPSK	100	0	22.03	22.13	21.95		
20	16QAM	1	1	21.98	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.98	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.42	19.42	20.0	3.0
Channel				134500	136000	137500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	688		
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	136100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668.5	680.5	690.5		
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
				516004	516000	516996			
Frequency (MHz)									
40	PI2 BPSK	1	1	2244	2246	2237			
40	PI2 BPSK	1	53	2227	2240	2238	23.0	0.0	
40	PI2 BPSK	1	104	2220	2229	2218			
40	PI2 BPSK	50	0	2239	2249	2237	23.0	0.0	
40	PI2 BPSK	50	28	2237	2244	2229	23.0	0.0	
40	PI2 BPSK	50	56	2228	2243	2232	23.0	0.0	
40	PI2 BPSK	100	0	2235	2238	2239			
40	QPSK	1	1	2245	2260	2252			
40	QPSK	1	53	2238	2248	2239	23.0	0.0	
40	QPSK	1	104	2248	2252	2244			
40	QPSK	50	0	2234	2247	2245	23.0	0.0	
40	QPSK	50	28	2244	2253	2242	23.0	0.0	
40	QPSK	50	56	2231	2237	2222	23.0	0.0	
40	QPSK	100	0	2235	2240	2237			
40	16QAM	1	1	2228	2240	2233	23.0	0.0	
40	64QAM	1	1	2083	2087	2089	21.5	1.5	
40	256QAM	1	1	1911	1925	1910	18.5	3.5	
Channel									
				515502	515000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	2238	2255	2245	0.0	0.0	
Channel									
				516004	516000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	2237	2253	2247	23.0	0.0	
Channel									
				516000	516000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	2242	2253	2244	23.0	0.0	
Channel									
				515502	516000	523498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	2239	2256	2249	23.0	0.0	
Channel									
				515005	516000	525995	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	2275.02	2295	2614.98			
Channel									
				516000	516000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	2238	2254	2245	23.0	0.0	

n41 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
				509202	516998	526000			
Frequency (MHz)									
100	PI2 BPSK	1	1	2152	2204	2197			
100	PI2 BPSK	1	137	2190	2198	2188	23.0	0.0	
100	PI2 BPSK	1	271	2186	2195	2189			
100	PI2 BPSK	135	0	2142	2145	2138	22.5	0.5	
100	PI2 BPSK	135	69	2193	2202	2188	23.0	0.0	
100	PI2 BPSK	135	138	2137	2149	2141	22.5	0.5	
100	PI2 BPSK	270	0	2131	2140	2136			
100	QPSK	1	1	2198	2207	2203			
100	QPSK	1	137	2195	2201	2187	23.0	0.0	
100	QPSK	1	271	2194	2192	2185			
100	QPSK	135	0	2001	2106	2090	22.0	1.0	
100	QPSK	135	69	2194	2202	2199	23.0	0.0	
100	QPSK	135	138	2096	2089	2078	22.0	1.0	
100	QPSK	270	0	2076	2095	2087			
100	16QAM	1	1	2081	2096	2080	22.0	1.0	
100	64QAM	1	1	1919	1932	1928	20.5	2.5	
100	256QAM	1	1	1748	1756	1741	18.5	4.5	
Channel									
				509200	516998	526000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	2193	2204	2199	23.0	0.0	
Channel									
				509204	516998	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	2195	2195	2190	23.0	0.0	
Channel									
				509202	516998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	2199	2200	2190	23.0	0.0	
Channel									
				509200	516998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	2198	2200	2193	23.0	0.0	
Channel									
				509203	516998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	2198	2198	2198	23.0	0.0	
Channel									
				509202	516998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	2192	2197	2189	23.0	0.0	
Channel									
				509200	516998	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	2155	2201	2192	23.0	0.0	
Channel									
				510104	516998	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	2187	2192	2192	23.0	0.0	



n41 PC2 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	526600		
Frequency (MHz)				2544.01	2592.99	2640		
100	PI2 BPSK	1	1	25.17	25.21	25.09		
100	PI2 BPSK	1	137	25.07	25.17	25.04	26.0	0.0
100	PI2 BPSK	1	271	25.00	25.11	25.02		
100	PI2 BPSK	135	0	24.90	25.02	24.95	26.0	0.0
100	PI2 BPSK	135	69	25.03	25.14	25.08	26.0	0.0
100	PI2 BPSK	135	138	24.97	25.07	24.95	26.0	0.0
100	PI2 BPSK	270	0	25.03	25.11	25.00		
100	QPSK	1	1	25.25	25.28	25.16		
100	QPSK	1	137	25.16	25.20	25.08	26.0	0.0
100	QPSK	1	271	25.09	25.15	25.07		
100	QPSK	135	0	24.83	24.88	24.81	25.5	0.5
100	QPSK	135	69	25.21	25.23	25.12	26.0	0.0
100	QPSK	135	138	24.80	24.71	24.58	25.5	0.5
100	QPSK	270	0	24.84	24.80	24.59		
100	16QAM	1	1	24.47	24.61	24.50	25.5	0.5
100	64QAM	1	1	22.93	23.04	22.91	24.0	2.0
100	256QAM	1	1	20.92	21.04	20.90	22.0	4.0
Channel				510200	519598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.14	25.15	25.03	26.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2692.99	2644.99		
80	QPSK	1	1	25.18	25.14	25.05	26.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.21	25.13	25.03	26.0	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2458	2592.99	2659.98		
60	QPSK	1	1	25.22	25.22	25.02	26.0	0.0
Channel				510204	518598	532000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.17	25.17	25.10	26.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2416.01	2592.99	2690		
40	QPSK	1	1	25.15	25.25	25.03	26.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2311	2592.99	2674.98		
30	QPSK	1	1	25.20	25.14	25.01	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2606.02	2692.99	2679.99		
20	QPSK	1	1	25.16	25.21	25.01	26.0	0.0

n48 Part96 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI2 BPSK	1	1	23.65	23.69	23.63		
40	PI2 BPSK	1	53	23.53	23.62	23.55	24.0	0.0
40	PI2 BPSK	1	104	23.49	23.52	23.45		
40	PI2 BPSK	50	0	23.28	23.35	23.23	23.5	0.5
40	PI2 BPSK	50	25	23.53	23.67	23.56	24.0	0.0
40	PI2 BPSK	50	56	23.14	23.18	23.14	23.5	0.5
40	PI2 BPSK	100	0	23.14	23.22	23.22		
40	QPSK	1	1	23.65	23.73	23.56		
40	QPSK	1	53	23.24	23.62	23.60	24.0	0.0
40	QPSK	1	104	23.41	23.62	23.51		
40	QPSK	50	0	22.65	22.82	22.64	23.0	1.0
40	QPSK	50	25	23.60	23.70	23.47	24.0	0.0
40	QPSK	90	56	22.27	22.69	22.64	23.0	1.0
40	QPSK	100	0	22.63	22.67	22.71		
40	16QAM	1	1	22.58	22.67	22.58	23.0	1.0
40	64QAM	1	1	21.03	21.18	21.09	21.5	2.5
40	256QAM	1	1	19.17	19.35	19.25	19.5	4.5
Channel				639208	641666	645066	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3655.02	3624.99	3684.99		
30	QPSK	1	1	23.16	23.22	23.03	24.0	0.0
Channel				637304	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3669.01	3624.99	3690		
20	QPSK	1	1	23.16	23.19	23.05	24.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3664.98		
10	QPSK	1	1	23.16	23.25	23.05	24.0	0.0



Part270 n77 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.76	22.80	22.78			
100	PI2 BPSK	1	137	22.68	22.75	22.62	24.0	0.0	
100	PI2 BPSK	1	271	22.63	22.78	22.65			
100	PI2 BPSK	135	0	22.27	22.32	22.26	23.5	0.5	
100	PI2 BPSK	135	69	22.78	22.86	22.78	24.0	0.0	
100	PI2 BPSK	135	138	22.34	22.36	22.19			
100	PI2 BPSK	270	0	22.34	22.37	22.35	23.5	0.5	
100	QPSK	1	1	22.89	22.95	22.89			
100	QPSK	1	137	22.86	22.94	22.81	24.0	0.0	
100	QPSK	1	271	22.68	22.75	22.67			
100	QPSK	135	0	21.90	22.10	22.00	23.0	1.0	
100	QPSK	135	69	22.73	22.81	22.78	24.0	0.0	
100	QPSK	135	138	21.89	22.11	21.94	23.0	1.0	
100	QPSK	270	0	22.01	22.02	21.93			
100	16QAM	1	1	21.95	21.96	21.83	23.0	1.0	
100	64QAM	1	1	20.32	20.40	20.38	21.5	2.5	
100	256QAM	1	1	18.46	18.72	18.65	19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.76	22.87	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.76	22.80	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.73	22.88	22.72	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.78	22.82	22.74	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.84	22.91	22.83	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.82	22.91	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.84	22.91	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.84	22.88	22.79	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.82	22.82	22.75	24.0	0.0	

Part270 n77 PC2 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	25.76	25.79	25.78			
100	PI2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0	
100	PI2 BPSK	1	271	25.66	25.72	25.56			
100	PI2 BPSK	135	0	25.64	25.59	25.61	27.0	0.0	
100	PI2 BPSK	135	69	25.66	25.79	25.61	27.0	0.0	
100	PI2 BPSK	135	138	25.63	25.70	25.66			
100	PI2 BPSK	270	0	25.58	25.76	25.63	27.0	0.0	
100	QPSK	1	1	25.85	25.96	25.83			
100	QPSK	1	137	25.81	25.75	25.75	27.0	0.0	
100	QPSK	1	271	25.59	25.75	25.71			
100	QPSK	135	0	25.24	25.38	25.40	26.5	0.5	
100	QPSK	135	69	25.84	25.88	25.81	27.0	0.0	
100	QPSK	135	138	25.12	25.23	25.15	26.5	0.5	
100	QPSK	270	0	25.29	25.29	25.24			
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5	
100	64QAM	1	1	23.63	23.75	23.52	25.0	2.0	
100	256QAM	1	1	21.90	21.93	21.77	23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.76	25.81	25.69	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.70	25.87	25.69	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.75	25.80	25.67	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.75	25.82	25.80	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.68	25.92	25.75	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.80	25.87	25.72	27.0	0.0	



Part27Q n77 Ant1

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								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.41	3000.01			
100	PI2 BPSK	1	137	23.32			24.0	0.0
100	PI2 BPSK	1	271	23.26				
100	PI2 BPSK	135	0	22.88			23.5	0.5
100	PI2 BPSK	135	69	23.08			24.0	0.0
100	PI2 BPSK	135	138	22.81			23.5	0.5
100	PI2 BPSK	270	0	22.74				
100	QPSK	1	1	23.45				
100	QPSK	1	137	23.36			24.0	0.0
100	QPSK	1	271	23.30				
100	QPSK	135	0	22.43			23.0	1.0
100	QPSK	135	69	23.22			24.0	0.0
100	QPSK	135	138	22.95			23.0	1.0
100	QPSK	270	0	22.93				
100	16QAM	1	1	22.15			23.0	1.0
100	16QAM	1	1	20.84			21.5	2.5
100	256QAM	1	1	18.92			19.2	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.41	23.32	23.38	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.29	23.34	23.27	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.29	23.34	23.27	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.34	23.38	23.34	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.31	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.32	23.29	23.33	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.38	23.34	23.39	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.35	23.34	23.36	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.40	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.35	23.32	23.41	24.0	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								
Frequency (MHz)								
100	PI2 BPSK	1	1	26.54	3000.01			
100	PI2 BPSK	1	137	26.32			27.0	0.0
100	PI2 BPSK	1	271	26.51				
100	PI2 BPSK	135	0	26.34			27.0	0.0
100	PI2 BPSK	135	69	26.44			27.0	0.0
100	PI2 BPSK	135	138	26.19			27.0	0.0
100	PI2 BPSK	270	0	26.27				
100	QPSK	1	1	26.60				
100	QPSK	1	137	26.36			27.0	0.0
100	QPSK	1	271	26.39				
100	QPSK	135	0	25.98			26.5	0.5
100	QPSK	135	69	26.42			27.0	0.0
100	QPSK	135	138	25.90			26.5	0.5
100	QPSK	270	0	26.15				
100	16QAM	1	1	26.02			26.5	0.5
100	16QAM	1	1	24.61			23.0	2.0
100	256QAM	1	1	22.40			23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.47	26.40	26.58	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.40	26.58	26.53	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.50	26.51	26.49	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.56	26.47	26.56	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.48	26.45	26.43	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.54	26.51	26.51	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.50	26.42	26.43	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.58	26.57	26.56	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.57	26.58	26.54	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.50	26.45	26.55	27.0	0.0



Part270 n78 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 3750	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		22.90				
100	PI2 BPSK	1	137		22.85		24.0	0.0	
100	PI2 BPSK	1	271		22.81				
100	PI2 BPSK	135	0		22.33		23.5	0.5	
100	PI2 BPSK	135	69		22.88		24.0	0.0	
100	PI2 BPSK	135	138		22.32		23.5	0.5	
100	PI2 BPSK	270	0		22.40				
100	QPSK	1	1		22.91				
100	QPSK	1	137		22.86		24.0	0.0	
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.05		23.0	1.0	
100	QPSK	135	69		22.82		24.0	0.0	
100	QPSK	135	138		21.80		23.0	1.0	
100	QPSK	270	0		21.83				
100	16QAM	1	1		21.71		23.0	1.0	
100	64QAM	1	1		20.38		21.5	2.5	
100	256QAM	1	1		18.43		19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	54960	650000	650334	Tune-up limit (dBm)	MPR (dB)	
				3745.02	3750	3755.01			
90	QPSK	1	1	22.77	22.87	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
				3742.91	3750	3752.92			
80	QPSK	1	1	22.86	22.85	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
				3745	3750	3765			
70	QPSK	1	1	22.83	22.80	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648968	650000	651334	Tune-up limit (dBm)	MPR (dB)	
				3740.02	3750	3760.01			
60	QPSK	1	1	22.87	22.76	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648334	650000	651000	Tune-up limit (dBm)	MPR (dB)	
				3725.01	3750	3775.02			
50	QPSK	1	1	22.77	22.77	22.87	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
				3726	3750	3780			
40	QPSK	1	1	22.84	22.80	22.77	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
				3715.02	3750	3795.01			
30	QPSK	1	1	22.88	22.75	22.75	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
				3710.01	3750	3790.02			
20	QPSK	1	1	22.80	22.84	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	647168	650000	652884	Tune-up limit (dBm)	MPR (dB)	
				3707.82	3750	3792.61			
15	QPSK	1	1	22.77	22.78	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
				3705	3750	3795			
10	QPSK	1	1	22.80	22.75	22.80	24.0	0.0	

Part270 n78 PC2 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 3750	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		25.90				
100	PI2 BPSK	1	137		25.74		27.0	0.0	
100	PI2 BPSK	1	271		25.70				
100	PI2 BPSK	135	0		25.79		27.0	0.0	
100	PI2 BPSK	135	69		25.87		27.0	0.0	
100	PI2 BPSK	135	138		25.75		27.0	0.0	
100	PI2 BPSK	270	0		25.78				
100	QPSK	1	1		25.94				
100	QPSK	1	137		25.86		27.0	0.0	
100	QPSK	1	271		25.89				
100	QPSK	135	0		25.64		26.5	0.5	
100	QPSK	135	69		25.88		27.0	0.0	
100	QPSK	135	138		25.40		26.5	0.5	
100	QPSK	270	0		25.42				
100	16QAM	1	1		25.40		26.5	0.5	
100	64QAM	1	1		23.91		25.0	2.0	
100	256QAM	1	1		22.07		23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	64960	650000	650334	Tune-up limit (dBm)	MPR (dB)	
				3745.02	3750	3755.01			
90	QPSK	1	1	25.88	25.80	25.82	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
				3742.91	3750	3752.92			
80	QPSK	1	1	25.91	25.90	25.91	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
				3745	3750	3765			
70	QPSK	1	1	25.83	25.79	25.82	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648968	650000	651334	Tune-up limit (dBm)	MPR (dB)	
				3740.02	3750	3760.01			
60	QPSK	1	1	25.85	25.80	25.78	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648334	650000	652000	Tune-up limit (dBm)	MPR (dB)	
				3725.01	3750	3775.02			
50	QPSK	1	1	25.77	25.78	25.84	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
				3726	3750	3780			
40	QPSK	1	1	25.80	25.80	25.79	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
				3715.02	3750	3795.01			
30	QPSK	1	1	25.84	25.78	25.85	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
				3710.01	3750	3790.02			
20	QPSK	1	1	25.86	25.89	25.78	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	647168	650000	652884	Tune-up limit (dBm)	MPR (dB)	
				3707.82	3750	3792.61			
15	QPSK	1	1	25.77	25.91	25.88	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
				3705	3750	3795			
10	QPSK	1	1	25.83	25.87	25.87	27.0	0.0	



Part27Q n78 Ant1									
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									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.32	3000.01				
100	PI2 BPSK	1	137	23.29			24.0	0.0	
100	PI2 BPSK	1	271	23.46					
100	PI2 BPSK	135	0	23.09			23.5	0.5	
100	PI2 BPSK	135	69	23.33			24.0	0.0	
100	PI2 BPSK	135	138	22.99			23.5	0.5	
100	PI2 BPSK	270	0	23.12					
100	QPSK	1	1	23.41					
100	QPSK	1	137	23.18			24.0	0.0	
100	QPSK	1	271	23.35					
100	QPSK	135	0	22.71			23.0	1.0	
100	QPSK	135	69	23.40			24.0	0.0	
100	QPSK	135	138	22.81			23.0	1.0	
100	QPSK	270	0	22.66					
100	16QAM	1	1	22.37			23.0	1.0	
100	64QAM	1	1	21.25			21.5	2.5	
100	256QAM	1	1	19.31			19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.37	3495	3000.01	3005.02		
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.28	632068	633334	634000	Tune-up limit (dBm)	MPR
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.34	3488.01	3000.01	3015.01		
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.32	632000	633334	634668	Tune-up limit (dBm)	MPR
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.32	3480.02	3000.01	3020.02		
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.33	3475.02	3000.01	3025		
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.33	631000	633334	635668	Tune-up limit (dBm)	MPR
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.32	3485.01	3000.01	3015.01		
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.28	630568	633334	635900	Tune-up limit (dBm)	MPR
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.25	3480.02	3000.01	3040.01		

Part27Q n78 PC2 Ant1									
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									
Frequency (MHz)									
100	PI2 BPSK	1	1	26.43	3000.01				
100	PI2 BPSK	1	137	26.12			27.0	0.0	
100	PI2 BPSK	1	271	26.39					
100	PI2 BPSK	135	0	26.23			27.0	0.0	
100	PI2 BPSK	135	69	26.40			27.0	0.0	
100	PI2 BPSK	135	138	26.12			27.0	0.0	
100	PI2 BPSK	270	0	25.96					
100	QPSK	1	1	26.51					
100	QPSK	1	137	26.27			27.0	0.0	
100	QPSK	1	271	26.49					
100	QPSK	135	0	25.81			26.5	0.5	
100	QPSK	135	69	26.30			27.0	0.0	
100	QPSK	135	138	25.89			26.5	0.5	
100	QPSK	270	0	25.59					
100	16QAM	1	1	25.76			26.5	0.5	
100	64QAM	1	1	24.17			25.0	2.0	
100	256QAM	1	1	22.12			23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	26.47	3495	3000.01	3005.02		
Channel									
Frequency (MHz)									
80	QPSK	1	1	26.41	632068	633334	634000	Tune-up limit (dBm)	MPR
Channel									
Frequency (MHz)									
70	QPSK	1	1	26.47	3488.01	3000.01	3015.01		
Channel									
Frequency (MHz)									
60	QPSK	1	1	26.35	632000	633334	634668	Tune-up limit (dBm)	MPR
Channel									
Frequency (MHz)									
50	QPSK	1	1	26.49	3480.02	3000.01	3020.02		
Channel									
Frequency (MHz)									
40	QPSK	1	1	26.41	3475.02	3000.01	3025		
Channel									
Frequency (MHz)									
30	QPSK	1	1	26.38	631000	633334	635668	Tune-up limit (dBm)	MPR
Channel									
Frequency (MHz)									
20	QPSK	1	1	26.47	3485.01	3000.01	3015.01		
Channel									
Frequency (MHz)									
15	QPSK	1	1	26.45	630568	633334	635900	Tune-up limit (dBm)	MPR
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.39	3480.02	3000.01	3040.01		



n2 DSI2_Simultaneous Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	17.34	17.51	17.36			
20	PI2 BPSK	1	53	17.40	17.45	17.35	18.5	0.0	
20	PI2 BPSK	1	104	17.44	17.52	17.36			
20	PI2 BPSK	50	0	17.49	17.54	17.46	18.5	0.0	
20	PI2 BPSK	50	28	17.40	17.48	17.42	18.5	0.0	
20	PI2 BPSK	50	56	17.37	17.46	17.42	18.5	0.0	
20	PI2 BPSK	100	0	17.31	17.42	17.28			
20	QPSK	1	1	17.43	17.59	17.55			
20	QPSK	1	53	17.36	17.44	17.31	18.5	0.0	
20	QPSK	1	104	17.44	17.48	17.32			
20	QPSK	50	0	17.35	17.51	17.42	18.5	0.0	
20	QPSK	50	28	17.49	17.56	17.52	18.5	0.0	
20	QPSK	50	56	17.34	17.46	17.36	18.5	0.0	
20	QPSK	100	0	17.43	17.46	17.40			
20	16QAM	1	1	17.46	17.57	17.47	18.5	0.0	
20	64QAM	1	1	17.44	17.56	17.39	18.5	0.0	
20	256QAM	1	1	17.39	17.47	17.42	18.5	0.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	17.39	17.57	17.51	18.5	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	17.31	17.46	17.52	18.5	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	17.31	17.57	17.44	18.5	0.0	

n5 Default Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166800	167300	167800			
20	PI2 BPSK	1	1	22.58	22.62	22.53			
20	PI2 BPSK	1	53	22.42	22.53	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.44	22.50	22.38			
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.56	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0	
20	QPSK	100	0	22.47	22.56	22.51			
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.0	
20	256QAM	1	1	21.71	21.81	21.73	24.0	0.0	
Channel									
Frequency (MHz)				163300	163300	163300			
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel									
Frequency (MHz)				165800	167300	168800			
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel									
Frequency (MHz)				166300	167300	168300			
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 DSI2_Simultaneous Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506000	507000	510000			
40	PI2 BPSK	1	1	12.00	11.95	11.96			
40	PI2 BPSK	1	108	11.79	11.93	11.90	13.2	0.0	
40	PI2 BPSK	1	214	11.93	12.00	11.97			
40	PI2 BPSK	108	0	11.91	11.93	11.80	13.2	0.0	
40	PI2 BPSK	108	54	11.90	11.97	11.81	13.2	0.0	
40	PI2 BPSK	108	108	11.84	12.01	11.89	13.2	0.0	
40	PI2 BPSK	216	0	11.82	11.99	11.79			
40	QPSK	1	1	11.89	12.04	11.89			
40	QPSK	1	108	11.88	12.02	11.86	13.2	0.0	
40	QPSK	1	214	11.81	11.92	11.85			
40	QPSK	108	0	11.76	11.91	11.77	13.2	0.0	
40	QPSK	108	54	11.83	12.01	11.88	13.2	0.0	
40	QPSK	108	108	11.78	11.93	11.79	13.2	0.0	
40	QPSK	216	0	11.87	11.92	11.82			
40	16QAM	1	1	11.75	12.03	11.81	13.2	0.0	
40	64QAM	1	1	11.87	11.97	11.82	13.2	0.0	
40	256QAM	1	1	11.64	11.98	11.76	13.2	0.0	
Channel									
Frequency (MHz)				520000	520000	520000			
30	QPSK	1	1	11.86	12.01	11.86	13.2	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	11.82	12.00	11.86	13.2	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	11.95	11.99	11.82	13.2	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	11.86	12.00	11.80	13.2	0.0	
Channel									
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	1	11.86	11.96	11.82	13.2	0.0	
Channel									
Frequency (MHz)				500500	507000	513000			
5	QPSK	1	1	11.79	12.00	11.81	13.2	0.0	



n25 DSI2_Simultaneous Ant2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	17.45	17.65	17.82	
40	PI2 BPSK	1	108	17.55	17.58	17.51	18.5
40	PI2 BPSK	1	214	17.59	17.65	17.63	
40	PI2 BPSK	108	0	17.51	17.60	17.55	18.5
40	PI2 BPSK	108	54	17.43	17.58	17.46	18.5
40	PI2 BPSK	108	108	17.48	17.62	17.53	
40	PI2 BPSK	216	0	17.58	17.60	17.43	18.5
40	QPSK	1	1	17.59	17.69	17.53	
40	QPSK	1	108	17.58	17.60	17.49	18.5
40	QPSK	1	214	17.50	17.65	17.50	
40	QPSK	108	0	17.47	17.53	17.44	18.5
40	QPSK	108	54	17.59	17.65	17.51	18.5
40	QPSK	108	108	17.58	17.62	17.49	18.5
40	QPSK	216	0	17.55	17.57	17.50	
40	16QAM	1	1	17.51	17.60	17.46	18.5
40	16QAM	1	1	17.41	17.53	17.40	18.5
40	256QAM	1	1	17.44	17.45	17.21	18.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	17.57	17.66	17.48	18.5
Channel							
Frequency (MHz)							
25	QPSK	1	1	17.55	17.60	17.47	18.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	17.54	17.64	17.46	18.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	17.52	17.63	17.44	18.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	17.50	17.65	17.51	18.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	17.51	17.61	17.48	18.5

n30 DSI2_Simultaneous Ant2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1	13.33			
10	PI2 BPSK	1	26	13.28			14.5
10	PI2 BPSK	1	50	13.25			
10	PI2 BPSK	25	0	13.32			14.5
10	PI2 BPSK	25	14	13.29			14.5
10	PI2 BPSK	25	27	13.28			
10	PI2 BPSK	50	0	13.28			14.5
10	QPSK	1	1	13.41			
10	QPSK	1	26	13.30			14.5
10	QPSK	1	50	13.34			
10	QPSK	25	0	13.28			14.5
10	QPSK	25	14	13.32			14.5
10	QPSK	25	27	13.30			14.5
10	QPSK	50	0	13.32			
10	16QAM	1	1	13.27			14.5
10	16QAM	1	1	13.25			14.5
10	256QAM	1	1	13.20			14.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	13.38	13.25	13.38	14.5

n66 DSI2_Simultaneous Ant2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	19.28	19.38	19.23	
40	PI2 BPSK	1	108	19.33	19.39	19.35	20.0
40	PI2 BPSK	1	214	19.35	19.40	19.27	
40	PI2 BPSK	108	0	19.44	19.50	19.47	20.0
40	PI2 BPSK	108	54	19.34	19.44	19.35	20.0
40	PI2 BPSK	108	108	19.33	19.43	19.28	
40	PI2 BPSK	216	0	19.45	19.49	19.35	20.0
40	QPSK	1	1	19.43	19.53	19.37	
40	QPSK	1	108	19.28	19.43	19.27	20.0
40	QPSK	1	214	19.45	19.48	19.38	
40	QPSK	108	0	19.28	19.38	19.28	20.0
40	QPSK	108	54	19.37	19.45	19.29	20.0
40	QPSK	108	108	19.38	19.41	19.32	20.0
40	QPSK	216	0	19.28	19.40	19.31	
40	16QAM	1	1	19.38	19.48	19.31	20.0
40	16QAM	1	1	19.34	19.48	19.46	20.0
40	256QAM	1	1	19.20	19.30	19.34	20.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	19.28	19.36	19.24	20.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	19.27	19.43	19.22	20.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	19.23	19.43	19.22	20.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	19.29	19.40	19.28	20.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	19.29	19.44	19.22	20.0



n70 DSI2_Simultaneous Ant2

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq. 340500	Power High Ch. / Freq.		
Channel				1702.5				
Frequency (MHz)								
15	PI2 BPSK	1	1	20.48			21.0	0.0
15	PI2 BPSK	1	49	20.57				
15	PI2 BPSK	1	77	20.59				
15	PI2 BPSK	36	0	20.55			21.0	0.0
15	PI2 BPSK	36	22	20.55			21.0	0.0
15	PI2 BPSK	36	43	20.49			21.0	0.0
15	PI2 BPSK	75	0	20.57				
15	QPSK	1	1	20.61				
15	QPSK	1	49	20.52			21.0	0.0
15	QPSK	1	77	20.51				
15	QPSK	36	0	20.54			21.0	0.0
15	QPSK	36	22	20.59			21.0	0.0
15	QPSK	36	43	20.53			21.0	0.0
15	QPSK	72	0	20.45				
15	16QAM	1	1	20.54			21.0	0.0
15	16QAM	1	1	20.40			21.0	0.0
15	25QAM	1	1	19.26			20.0	1.0
Channel				340200	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	20.55	20.47	20.45	21.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	20.58	20.51	20.45	21.0	0.0



n38 DS12_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	13.41	13.56	13.50			
40	PI2 BPSK	1	53	13.57	13.46	13.82	14.5	0.0	
40	PI2 BPSK	1	104	13.27	13.35	13.23			
40	PI2 BPSK	50	0	13.48	13.53	13.50	14.5	0.0	
40	PI2 BPSK	50	28	13.40	13.53	13.52	14.5	0.0	
40	PI2 BPSK	50	56	13.44	13.52	13.28			
40	PI2 BPSK	100	0	13.39	13.46	13.46	14.5	0.0	
40	QPSK	1	1	13.53	13.65	13.54			
40	QPSK	1	53	13.55	13.45	13.42	14.5	0.0	
40	QPSK	1	104	13.41	13.59	13.48			
40	QPSK	50	0	13.41	13.38	13.23	14.5	0.0	
40	QPSK	50	28	13.47	13.56	13.39	14.5	0.0	
40	QPSK	50	56	13.52	13.51	13.44	14.5	0.0	
40	QPSK	100	0	13.44	13.56	13.35			
40	16QAM	1	1	13.34	13.45	13.40	14.5	0.0	
40	64QAM	1	1	13.50	13.62	13.44	14.5	0.0	
40	256QAM	1	1	13.51	13.51	13.50	14.5	0.0	
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.98			
30	QPSK	1	1	13.51	13.55	13.54	14.5	0.0	
Channel				516004	516000	521498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2589.52	2595	2604.48			
25	QPSK	1	1	13.59	13.53	13.60	14.5	0.0	
Channel				516000	516000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	13.52	13.51	13.59	14.5	0.0	
Channel				515002	516000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.48			
15	QPSK	1	1	13.54	13.53	13.53	14.5	0.0	
Channel				515005	516000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	13.60	13.53	13.51	14.5	0.0	

n41 DS12_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	516998	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	13.45	13.58	13.52			
100	PI2 BPSK	1	137	13.60	13.60	13.55	14.5	0.0	
100	PI2 BPSK	1	271	13.38	13.46	13.34			
100	PI2 BPSK	135	0	13.60	13.63	13.54	14.5	0.0	
100	PI2 BPSK	135	69	13.51	13.56	13.60	14.5	0.0	
100	PI2 BPSK	135	138	13.50	13.57	13.40			
100	PI2 BPSK	270	0	13.52	13.51	13.54	14.5	0.0	
100	QPSK	1	1	13.66	13.67	13.64			
100	QPSK	1	137	13.48	13.57	13.44	14.5	0.0	
100	QPSK	1	271	13.46	13.62	13.51			
100	QPSK	135	0	13.44	13.51	13.35	14.5	0.0	
100	QPSK	135	69	13.57	13.67	13.44	14.5	0.0	
100	QPSK	135	138	13.44	13.62	13.53	14.5	0.0	
100	QPSK	270	0	13.56	13.64	13.43			
100	16QAM	1	1	13.41	13.53	13.46	14.5	0.0	
100	64QAM	1	1	13.53	13.65	13.55	14.5	0.0	
100	256QAM	1	1	13.54	13.54	13.54	14.5	0.0	
Channel				509200	516998	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	13.62	13.57	13.58	14.5	0.0	
Channel				507204	516998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.98			
80	QPSK	1	1	13.63	13.57	13.56	14.5	0.0	
Channel				509202	516998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	13.62	13.58	13.59	14.5	0.0	
Channel				509200	516998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	13.53	13.63	13.52	14.5	0.0	
Channel				2521.02	2592.99	2654.99	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.99			
50	QPSK	1	1	13.55	13.56	13.52	14.5	0.0	
Channel				503202	516998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2610			
40	QPSK	1	1	13.55	13.65	13.52	14.5	0.0	
Channel				502200	516998	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2614.98			
30	QPSK	1	1	13.52	13.57	13.57	14.5	0.0	
Channel				501205	516998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2619.99			
20	QPSK	1	1	13.53	13.57	13.51	14.5	0.0	



n41 PC2 DSI2_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518598	528600			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	18.20	18.20	18.17			
100	PI2 BPSK	1	137	18.21	18.22	18.16	17.5	0.0	
100	PI2 BPSK	1	271	18.17	18.18	18.08			
100	PI2 BPSK	135	0	18.06	18.30	18.08	17.5	0.0	
100	PI2 BPSK	135	69	18.20	18.20	18.18	17.5	0.0	
100	PI2 BPSK	135	138	18.09	18.25	18.17	17.5	0.0	
100	PI2 BPSK	270	0	18.21	18.22	18.18			
100	QPSK	1	1	18.28	18.39	18.24			
100	QPSK	1	137	18.12	18.28	18.18	17.5	0.0	
100	QPSK	1	271	18.09	18.19	18.15			
100	QPSK	135	0	18.11	18.19	18.19	17.5	0.0	
100	QPSK	135	69	18.17	18.37	18.23	17.5	0.0	
100	QPSK	135	138	18.10	18.18	18.25	17.5	0.0	
100	QPSK	270	0	18.20	18.20	18.19			
100	16QAM	1	1	18.12	18.31	18.25	17.5	0.0	
100	64QAM	1	1	18.19	18.17	18.13	17.5	0.0	
100	256QAM	1	1	18.06	18.11	18.01	17.5	0.0	
Channel				510500	519598	529600			
Frequency (MHz)				2544	2592.99	2644.98			
90	QPSK	1	1	18.14	18.33	18.12	17.5	0.0	
Channel				507204	518598	529598			
Frequency (MHz)				2638.01	2692.99	2648.99			
80	QPSK	1	1	18.16	18.28	18.21	17.5	0.0	
Channel				506002	518598	531000			
Frequency (MHz)				2531.01	2592.99	2695			
70	QPSK	1	1	18.22	18.30	18.12	17.5	0.0	
Channel				505000	518598	531998			
Frequency (MHz)				2428	2592.99	2699.98			
60	QPSK	1	1	18.22	18.35	18.18	17.5	0.0	
Channel				502004	518598	532000			
Frequency (MHz)				2521.02	2592.99	2694.99			
50	QPSK	1	1	18.18	18.33	18.16	17.5	0.0	
Channel				503002	518598	534000			
Frequency (MHz)				2418.01	2592.99	2692			
40	QPSK	1	1	18.23	18.38	18.19	17.5	0.0	
Channel				502000	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.14	18.32	18.10	17.5	0.0	
Channel				501004	518598	535998			
Frequency (MHz)				2606.02	2592.99	2679.99			
20	QPSK	1	1	18.18	18.36	18.14	17.5	0.0	

n48 Part96 DSI2_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	646332			
Frequency (MHz)				3570	3624.99	3678.98			
40	PI2 BPSK	1	1	15.88	16.04	15.92			
40	PI2 BPSK	1	53	15.99	16.01	15.93	17.3	0.0	
40	PI2 BPSK	1	104	15.75	16.00	15.87			
40	PI2 BPSK	50	0	15.76	15.93	15.89	17.3	0.0	
40	PI2 BPSK	50	25	15.88	16.07	15.92	17.3	0.0	
40	PI2 BPSK	50	50	15.88	16.09	15.85	17.3	0.0	
40	PI2 BPSK	100	0	15.98	16.04	15.92			
40	QPSK	1	1	16.00	16.21	16.19			
40	QPSK	1	53	16.05	16.08	15.93	17.3	0.0	
40	QPSK	1	104	16.08	16.03	15.91			
40	QPSK	50	0	16.00	16.03	15.99	17.3	0.0	
40	QPSK	50	25	15.98	16.09	15.96	17.3	0.0	
40	QPSK	50	50	15.89	16.05	15.87	17.3	0.0	
40	QPSK	100	0	15.98	16.00	15.85			
40	16QAM	1	1	16.02	16.04	16.01	17.3	0.0	
40	64QAM	1	1	16.00	16.00	15.87	17.3	0.0	
40	256QAM	1	1	15.85	15.58	15.63	17.3	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3665.02	3624.99	3684.99			
30	QPSK	1	1	15.90	16.10	16.16	17.3	0.0	
Channel				637000	641666	646000			
Frequency (MHz)				3662.01	3624.99	3680			
20	QPSK	1	1	15.93	16.13	16.08	17.3	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3565	3624.99	3684.98			
10	QPSK	1	1	15.93	16.09	16.06	17.3	0.0	



Part270 n77 DSI2_Simultaneous Ant2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	15.00	15.00	14.88		
100	PI2 BPSK	1	137	15.01	15.17	15.00	16.2	0.0
100	PI2 BPSK	1	271	15.11	15.11	15.05		
100	PI2 BPSK	135	0	15.00	15.08	14.97	16.2	0.0
100	PI2 BPSK	135	69	15.06	15.14	14.84		16.2
100	PI2 BPSK	135	138	15.01	15.15	15.02	16.2	0.0
100	PI2 BPSK	270	0	15.05	15.11	15.01		
100	QPSK	1	1	15.04	15.25	15.16		
100	QPSK	1	137	15.05	15.06	15.00	16.2	0.0
100	QPSK	1	271	14.95	15.08	14.95		
100	QPSK	135	0	14.88	15.04	15.01	16.2	0.0
100	QPSK	135	69	15.07	15.16	14.99	16.2	0.0
100	QPSK	135	138	14.85	15.04	14.91	16.2	0.0
100	QPSK	270	0	15.08	15.11	15.00		
100	16QAM	1	1	15.05	15.10	15.05	16.2	0.0
100	64QAM	1	1	14.95	15.11	15.00	16.2	0.0
100	256QAM	1	1	14.87	15.02	14.84	16.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.07	15.21	15.14	16.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.00	15.23	15.08	16.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.96	15.22	15.07	16.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.09	15.20	15.09	16.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.01	15.24	15.06	16.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.03	15.23	15.15	16.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.03	15.21	15.13	16.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.03	15.21	15.06	16.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.88	15.20	15.14	16.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.10	15.21	15.07	16.2	0.0

Part270 n77 PC2 DSI2_Simultaneous Ant2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.27	18.34	18.32		
100	PI2 BPSK	1	137	18.11	18.20	18.18	19.2	0.0
100	PI2 BPSK	1	271	18.14	18.35	18.28		
100	PI2 BPSK	135	0	18.32	18.38	18.24	19.2	0.0
100	PI2 BPSK	135	69	18.17	18.25	18.20		19.2
100	PI2 BPSK	135	138	18.17	18.33	18.14	19.2	0.0
100	PI2 BPSK	270	0	18.23	18.29	18.19		
100	QPSK	1	1	18.27	18.42	18.40		
100	QPSK	1	137	18.25	18.36	18.34	19.2	0.0
100	QPSK	1	271	18.15	18.34	18.31		
100	QPSK	135	0	18.22	18.27	18.12	19.2	0.0
100	QPSK	135	69	18.28	18.36	18.34	19.2	0.0
100	QPSK	135	138	18.20	18.33	18.21	19.2	0.0
100	QPSK	270	0	18.23	18.32	18.27		
100	16QAM	1	1	18.14	18.25	18.10	19.2	0.0
100	64QAM	1	1	18.23	18.38	18.25	19.2	0.0
100	256QAM	1	1	18.05	18.21	18.10	19.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.27	18.35	18.29	19.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.27	18.33	18.32	19.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.24	18.33	18.32	19.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.22	18.34	18.30	19.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.24	18.35	18.31	19.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.16	18.34	18.27	19.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.17	18.35	18.29	19.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.22	18.34	18.31	19.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.21	18.34	18.28	19.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.25	18.35	18.30	19.2	0.0



Part27Q n77 DSI2_Simultaneous Ant2

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								
Frequency (MHz)								
100	PI2 BPSK	1	1	15.40	15.30	15.30	16.2	0.0
100	PI2 BPSK	1	137	15.40	15.30	15.30	16.2	0.0
100	PI2 BPSK	1	271	15.40	15.30	15.30	16.2	0.0
100	PI2 BPSK	135	0	15.39	15.30	15.30	16.2	0.0
100	PI2 BPSK	135	69	15.39	15.30	15.30	16.2	0.0
100	PI2 BPSK	135	138	15.39	15.30	15.30	16.2	0.0
100	PI2 BPSK	270	0	15.39	15.30	15.30	16.2	0.0
100	QPSK	1	1	15.50	15.37	15.37	16.2	0.0
100	QPSK	1	137	15.50	15.37	15.37	16.2	0.0
100	QPSK	1	271	15.50	15.37	15.37	16.2	0.0
100	QPSK	135	0	15.28	15.38	15.38	16.2	0.0
100	QPSK	135	69	15.28	15.38	15.38	16.2	0.0
100	QPSK	135	138	15.28	15.38	15.38	16.2	0.0
100	QPSK	270	0	15.28	15.38	15.38	16.2	0.0
100	16QAM	1	1	15.41	15.37	15.37	16.2	0.0
100	16QAM	1	137	15.41	15.37	15.37	16.2	0.0
100	16QAM	1	271	15.41	15.37	15.37	16.2	0.0
100	256QAM	1	1	15.26	15.26	15.26	16.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.14	15.19	15.20	16.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.10	15.26	15.18	16.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.21	15.17	15.20	16.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.16	15.20	15.20	16.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.15	15.21	15.20	16.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.21	15.23	15.21	16.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.11	15.22	15.21	16.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.19	15.27	15.25	16.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.15	15.22	15.21	16.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.12	15.25	15.23	16.2	0.0

Part27Q n77 PC2 DSI2_Simultaneous Ant2

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								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.20	18.04	18.04	19.2	0.0
100	PI2 BPSK	1	137	18.20	18.04	18.04	19.2	0.0
100	PI2 BPSK	1	271	18.20	18.04	18.04	19.2	0.0
100	PI2 BPSK	135	0	18.06	18.06	18.06	19.2	0.0
100	PI2 BPSK	135	69	18.22	18.22	18.22	19.2	0.0
100	PI2 BPSK	135	138	18.20	18.20	18.20	19.2	0.0
100	PI2 BPSK	270	0	18.18	18.18	18.18	19.2	0.0
100	QPSK	1	1	18.50	18.50	18.50	19.2	0.0
100	QPSK	1	137	18.20	18.20	18.20	19.2	0.0
100	QPSK	1	271	18.24	18.24	18.24	19.2	0.0
100	QPSK	135	0	18.17	18.17	18.17	19.2	0.0
100	QPSK	135	69	18.45	18.45	18.45	19.2	0.0
100	QPSK	135	138	18.20	18.20	18.20	19.2	0.0
100	QPSK	270	0	18.40	18.40	18.40	19.2	0.0
100	16QAM	1	1	18.11	18.11	18.11	19.2	0.0
100	16QAM	1	137	18.11	18.11	18.11	19.2	0.0
100	16QAM	1	271	18.11	18.11	18.11	19.2	0.0
100	256QAM	1	1	17.62	17.62	17.62	19.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.24	18.17	18.12	19.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.20	18.17	18.11	19.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.20	18.17	18.11	19.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.23	18.09	18.12	19.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.21	18.12	18.16	19.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.20	18.12	18.16	19.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.20	18.09	18.20	19.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.25	18.09	18.16	19.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.20	18.12	18.20	19.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.21	18.13	18.10	19.2	0.0



Part270 n78 DSI2_Simultaneous Ant2								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 650000	Middle Ch. / Freq. 650000	High Ch. / Freq. 650000		
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	14.30				
100	PI2 BPSK	1	137	14.34			16.2	0.0
100	PI2 BPSK	1	271	14.43				
100	PI2 BPSK	135	0	14.42			16.2	0.0
100	PI2 BPSK	135	69	14.34			16.2	0.0
100	PI2 BPSK	135	138	14.41			16.2	0.0
100	PI2 BPSK	270	0	14.34				
100	QPSK	1	1	14.45				
100	QPSK	1	137	14.33			16.2	0.0
100	QPSK	1	271	14.33				
100	QPSK	135	0	14.33			16.2	0.0
100	QPSK	135	69	14.41			16.2	0.0
100	QPSK	135	138	14.26			16.2	0.0
100	QPSK	270	0	14.37				
100	16QAM	1	1	14.40			16.2	0.0
100	64QAM	1	1	14.41			16.2	0.0
100	256QAM	1	1	14.22			16.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.22	14.29	14.22	16.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.23	14.27	14.23	16.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.22	14.23	14.23	16.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.23	14.30	14.22	16.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.21	14.29	14.22	16.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.21	14.22	14.23	16.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.22	14.23	14.23	16.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.22	14.21	14.22	16.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.22	14.21	14.22	16.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.23	14.27	14.22	16.2	0.0

Part270 n78 PC2 DSI2_Simultaneous Ant2								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 650000	Middle Ch. / Freq. 650000	High Ch. / Freq. 650000		
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	17.30				
100	PI2 BPSK	1	137	17.26			19.2	0.0
100	PI2 BPSK	1	271	17.24				
100	PI2 BPSK	135	0	17.25			19.2	0.0
100	PI2 BPSK	135	69	17.30			19.2	0.0
100	PI2 BPSK	135	138	17.22			19.2	0.0
100	PI2 BPSK	270	0	17.25				
100	QPSK	1	1	17.45				
100	QPSK	1	137	17.23			19.2	0.0
100	QPSK	1	271	17.22				
100	QPSK	135	0	17.22			19.2	0.0
100	QPSK	135	69	17.36			19.2	0.0
100	QPSK	135	138	17.26			19.2	0.0
100	QPSK	270	0	17.23				
100	16QAM	1	1	17.21			19.2	0.0
100	64QAM	1	1	17.23			19.2	0.0
100	256QAM	1	1	17.23			19.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.31	17.26	17.26	19.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.29	17.29	17.30	19.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.23	17.25	17.21	19.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.29	17.31	17.33	19.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.32	17.26	17.32	19.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.31	17.24	17.30	19.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.27	17.24	17.32	19.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.27	17.26	17.33	19.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.27	17.28	17.30	19.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.31	17.20	17.25	19.2	0.0



Part27Q n78 DSI2_Simultaneous Ant2

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								
Frequency (MHz)								
100	PI2 BPSK	1	1	14.41	14.52	14.52	16.2	0.0
100	PI2 BPSK	1	137	14.52	14.52	14.52	16.2	0.0
100	PI2 BPSK	1	271	14.64	14.64	14.64	16.2	0.0
100	PI2 BPSK	135	0	14.56	14.56	14.56	16.2	0.0
100	PI2 BPSK	135	69	14.56	14.56	14.56	16.2	0.0
100	PI2 BPSK	135	138	14.56	14.56	14.56	16.2	0.0
100	PI2 BPSK	270	0	14.59	14.59	14.59	16.2	0.0
100	QPSK	1	1	14.69	14.69	14.69	16.2	0.0
100	QPSK	1	137	14.54	14.54	14.54	16.2	0.0
100	QPSK	1	271	14.50	14.50	14.50	16.2	0.0
100	QPSK	135	0	14.54	14.54	14.54	16.2	0.0
100	QPSK	135	69	14.61	14.61	14.61	16.2	0.0
100	QPSK	135	138	14.55	14.55	14.55	16.2	0.0
100	QPSK	270	0	14.53	14.53	14.53	16.2	0.0
100	16QAM	1	1	14.56	14.56	14.56	16.2	0.0
100	64QAM	1	1	14.53	14.53	14.53	16.2	0.0
100	256QAM	1	1	14.50	14.50	14.50	16.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	16.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.51	14.43	14.43	16.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3485.01	3500.01	3515.01	16.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	16.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.52	14.39	14.41	16.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3475.02	3500.01	3525	16.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.47	14.41	14.40	16.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3470.01	3500.01	3530.01	16.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.48	14.44	14.44	16.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3465.01	3500.01	3540.01	16.2	0.0

Part27Q n78 PC2 DSI2_Simultaneous Ant2

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								
Frequency (MHz)								
100	PI2 BPSK	1	1	17.48	17.48	17.48	19.2	0.0
100	PI2 BPSK	1	137	17.37	17.37	17.37	19.2	0.0
100	PI2 BPSK	1	271	17.60	17.60	17.60	19.2	0.0
100	PI2 BPSK	135	0	17.34	17.34	17.34	19.2	0.0
100	PI2 BPSK	135	69	17.49	17.49	17.49	19.2	0.0
100	PI2 BPSK	135	138	17.26	17.26	17.26	19.2	0.0
100	PI2 BPSK	270	0	17.21	17.21	17.21	19.2	0.0
100	QPSK	1	1	17.69	17.69	17.69	19.2	0.0
100	QPSK	1	137	17.36	17.36	17.36	19.2	0.0
100	QPSK	1	271	17.54	17.54	17.54	19.2	0.0
100	QPSK	135	0	17.24	17.24	17.24	19.2	0.0
100	QPSK	135	69	17.40	17.40	17.40	19.2	0.0
100	QPSK	135	138	17.27	17.27	17.27	19.2	0.0
100	QPSK	270	0	17.29	17.29	17.29	19.2	0.0
100	16QAM	1	1	17.42	17.42	17.42	19.2	0.0
100	64QAM	1	1	17.32	17.32	17.32	19.2	0.0
100	256QAM	1	1	17.22	17.22	17.22	19.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	16.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.38	17.31	17.38	19.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63200	63334	63400	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3490.02	3500.01	3510	16.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	16.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.37	17.33	17.40	19.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63100	63334	63500	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3485.01	3500.01	3515.01	16.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.45	17.50	17.56	19.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3485	3500.01	3535.02	16.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63000	63334	63600	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3480.02	3500.01	3540	16.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.43	17.31	17.37	19.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3465.01	3500.01	3540.01	16.2	0.0



n2 DSI2_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	16.74	16.90	16.82			
20	PI2 BPSK	1	53	16.78	16.90	16.78	18.2	0.0	
20	PI2 BPSK	1	104	16.78	16.95	16.91			
20	PI2 BPSK	50	0	16.82	16.99	16.85	18.2	0.0	
20	PI2 BPSK	50	28	16.88	16.98	16.95	18.2	0.0	
20	PI2 BPSK	50	56	16.94	17.03	16.93	18.2	0.0	
20	PI2 BPSK	100	0	16.84	16.97	16.91			
20	QPSK	1	1	17.01	17.07	16.92			
20	QPSK	1	53	16.99	17.05	16.97	18.2	0.0	
20	QPSK	1	104	16.91	17.01	16.89			
20	QPSK	50	0	16.93	16.97	16.89	18.2	0.0	
20	QPSK	50	28	16.95	17.02	16.85	18.2	0.0	
20	QPSK	50	56	16.91	16.96	16.92	18.2	0.0	
20	QPSK	100	0	16.86	16.96	16.93			
20	16QAM	1	1	16.86	16.97	16.91	18.2	0.0	
20	64QAM	1	1	16.93	17.04	16.88	18.2	0.0	
20	256QAM	1	1	16.94	16.99	16.96	18.2	0.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	16.88	16.97	16.85	18.2	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	16.85	16.94	16.80	18.2	0.0	
Channel									
Frequency (MHz)				370000	376000	381500			
5	QPSK	1	1	16.98	17.03	16.85	18.2	0.0	

n7 DSI2_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	16.12	16.16	16.01			
40	PI2 BPSK	1	108	16.02	16.13	16.09	17.1	0.0	
40	PI2 BPSK	1	214	15.90	16.03	16.00			
40	PI2 BPSK	108	0	15.92	16.06	15.98	17.1	0.0	
40	PI2 BPSK	108	54	16.05	16.11	15.95	17.1	0.0	
40	PI2 BPSK	108	108	15.91	16.05	16.02	17.1	0.0	
40	PI2 BPSK	216	0	16.03	16.08	16.03			
40	QPSK	1	1	16.17	16.20	16.04			
40	QPSK	1	108	16.02	16.08	16.00	17.1	0.0	
40	QPSK	1	214	15.91	16.06	15.91			
40	QPSK	108	0	16.00	16.12	15.98	17.1	0.0	
40	QPSK	108	54	16.10	16.16	16.02	17.1	0.0	
40	QPSK	108	108	16.01	16.10	16.07	17.1	0.0	
40	QPSK	216	0	15.98	16.03	15.98			
40	16QAM	1	1	15.94	16.05	15.93	17.1	0.0	
40	64QAM	1	1	15.85	16.00	15.97	17.1	0.0	
40	256QAM	1	1	15.88	15.92	15.83	17.1	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
30	QPSK	1	1	16.06	16.12	16.01	17.1	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	16.11	16.10	16.00	17.1	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	16.01	16.10	15.95	17.1	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	16.03	16.16	15.90	17.1	0.0	
Channel									
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.10	16.07	15.98	17.1	0.0	
Channel									
Frequency (MHz)				500500	507000	512000			
5	QPSK	1	1	16.08	16.16	15.98	17.1	0.0	

n25 DSI2_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1822.5	1895			
40	PI2 BPSK	1	1	16.96	17.12	17.06			
40	PI2 BPSK	1	108	17.00	17.15	17.03	18.2	0.0	
40	PI2 BPSK	1	214	17.08	17.16	17.13			
40	PI2 BPSK	108	0	17.00	17.16	17.03	18.2	0.0	
40	PI2 BPSK	108	54	16.95	17.03	16.99	18.2	0.0	
40	PI2 BPSK	108	108	17.02	17.13	17.06	18.2	0.0	
40	PI2 BPSK	216	0	16.94	17.10	17.05			
40	QPSK	1	1	17.09	17.20	17.13			
40	QPSK	1	108	16.96	17.10	17.06	18.2	0.0	
40	QPSK	1	214	17.04	17.08	17.05			
40	QPSK	108	0	16.89	17.03	17.00	18.2	0.0	
40	QPSK	108	54	17.07	17.15	17.00	18.2	0.0	
40	QPSK	108	108	16.95	17.04	17.00	18.2	0.0	
40	QPSK	216	0	16.93	17.05	16.96			
40	16QAM	1	1	16.90	17.06	16.96	18.2	0.0	
40	64QAM	1	1	17.08	17.13	17.08	18.2	0.0	
40	256QAM	1	1	16.97	17.03	16.98	18.2	0.0	
Channel									
Frequency (MHz)				1865	1822.5	1900			
30	QPSK	1	1	16.78	17.01	16.94	18.2	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	16.89	16.93	16.98	18.2	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	16.97	17.05	16.94	18.2	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	16.88	16.95	16.96	18.2	0.0	
Channel									
Frequency (MHz)				1865	1822.5	1912.5			
10	QPSK	1	1	16.81	17.01	16.99	18.2	0.0	
Channel									
Frequency (MHz)				372000	376500	382000			
5	QPSK	1	1	16.87	16.95	16.89	18.2	0.0	



n30 DSI2_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2310					
Frequency (MHz)				1716					
10	PI2 BPSK	1	1	17.16					
10	PI2 BPSK	1	26	17.12			18.3	0.0	
10	PI2 BPSK	1	50	17.10					
10	PI2 BPSK	25	0	17.22			18.3	0.0	
10	PI2 BPSK	25	14	17.14			18.3	0.0	
10	PI2 BPSK	25	27	17.16			18.3	0.0	
10	PI2 BPSK	50	0	17.17					
10	QPSK	1	1	17.25					
10	QPSK	1	26	17.23			18.3	0.0	
10	QPSK	1	50	17.14					
10	QPSK	25	0	17.11			18.3	0.0	
10	QPSK	25	14	17.14			18.3	0.0	
10	QPSK	25	27	17.08			18.3	0.0	
10	QPSK	50	0	17.05					
10	16QAM	1	1	17.22			18.3	0.0	
10	16QAM	1	1	17.13			18.3	0.0	
10	25QAM	1	1	17.11			18.3	0.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	17.06	17.23	17.10	18.3	0.0	

n66 DSI2_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1725					
Frequency (MHz)				1725					
40	PI2 BPSK	1	1	18.27	18.37	18.22			
40	PI2 BPSK	1	108	18.17	18.30	18.22	19.8	0.0	
40	PI2 BPSK	1	214	18.20	18.29	18.23			
40	PI2 BPSK	108	0	18.23	18.33	18.17	19.8	0.0	
40	PI2 BPSK	108	54	18.22	18.34	18.30	19.8	0.0	
40	PI2 BPSK	108	108	18.15	18.25	18.22			
40	PI2 BPSK	216	0	18.19	18.28	18.22	19.8	0.0	
40	QPSK	1	1	18.33	18.40	18.35			
40	QPSK	1	108	18.26	18.34	18.29	19.8	0.0	
40	QPSK	1	214	18.25	18.32	18.27			
40	QPSK	108	0	18.20	18.30	18.23	19.8	0.0	
40	QPSK	108	54	18.33	18.36	18.26	19.8	0.0	
40	QPSK	108	108	18.24	18.28	18.22	19.8	0.0	
40	QPSK	216	0	18.21	18.31	18.21			
40	16QAM	1	1	18.20	18.37	18.24	19.8	0.0	
40	16QAM	1	1	18.30	18.33	18.31	19.8	0.0	
40	25QAM	1	1	18.14	18.23	18.11	19.8	0.0	
Channel				345000	346000	347000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.18	18.38	18.25	19.8	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1726	1745	1770			
20	QPSK	1	1	18.24	18.28	18.22	19.8	0.0	
Channel				343000	346000	349000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.23	18.35	18.25	19.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.27	18.37	18.25	19.8	0.0	
Channel				342500	346000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.26	18.27	18.26	19.8	0.0	

n70 DSI2_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1725					
Frequency (MHz)				1725					
15	PI2 BPSK	1	1	19.91	20.01				
15	PI2 BPSK	1	40	19.98			21.1	0.0	
15	PI2 BPSK	1	77	19.94					
15	PI2 BPSK	36	0	19.90			21.1	0.0	
15	PI2 BPSK	36	22	19.93			21.1	0.0	
15	PI2 BPSK	36	43	19.87					
15	PI2 BPSK	75	0	19.93			21.1	0.0	
15	QPSK	1	1	20.05					
15	QPSK	1	43	20.06			21.1	0.0	
15	QPSK	1	77	19.95					
15	QPSK	36	0	19.91			21.1	0.0	
15	QPSK	36	22	19.99			21.1	0.0	
15	QPSK	36	43	19.87			21.1	0.0	
15	QPSK	75	0	19.95					
15	16QAM	1	1	20.00			21.1	0.0	
15	16QAM	1	1	19.85			21.1	0.0	
15	25QAM	1	1	19.10			19.5	1.0	
Channel				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1760	1762.5	1765			
10	QPSK	1	1	19.91	19.99	19.94	21.1	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	19.85	20.04	19.95	21.1	0.0	



n38 DS12_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	16.59	16.72	16.57			
40	PI2 BPSK	1	53	16.60	16.62	16.47	17.5	0.0	
40	PI2 BPSK	1	104	16.61	16.67	16.60			
40	PI2 BPSK	50	0	16.63	16.66	16.58	17.5	0.0	
40	PI2 BPSK	50	28	16.61	16.69	16.57	17.5	0.0	
40	PI2 BPSK	50	56	16.67	16.73	16.70			
40	PI2 BPSK	100	0	16.64	16.69	16.64	17.5	0.0	
40	QPSK	1	1	16.62	16.78	16.71			
40	QPSK	1	53	16.54	16.71	16.68	17.5	0.0	
40	QPSK	1	104	16.55	16.65	16.57			
40	QPSK	50	0	16.62	16.64	16.61	17.5	0.0	
40	QPSK	50	28	16.58	16.74	16.66	17.5	0.0	
40	QPSK	50	56	16.50	16.67	16.58	17.5	0.0	
40	QPSK	100	0	16.50	16.65	16.57			
40	16QAM	1	1	16.58	16.63	16.55	17.5	0.0	
40	64QAM	1	1	16.58	16.61	16.45	17.5	0.0	
40	256QAM	1	1	16.64	16.64	16.43	17.5	0.0	
Channel				517002	516000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.98			
30	QPSK	1	1	16.51	16.54	16.52	17.5	0.0	
Channel				516004	516000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2589.52	2595	2604.48			
25	QPSK	1	1	16.57	16.71	16.55	17.5	0.0	
Channel				516000	516000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	16.49	16.75	16.63	17.5	0.0	
Channel				515002	516000	523498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.48			
15	QPSK	1	1	16.59	16.62	16.65	17.5	0.0	
Channel				515005	516000	523995	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	16.51	16.64	16.58	17.5	0.0	

n41 DS12_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	516998	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	16.13	16.29	16.16			
100	PI2 BPSK	1	137	16.18	16.21	16.17	17.5	0.0	
100	PI2 BPSK	1	271	16.14	16.24	16.13			
100	PI2 BPSK	135	0	16.09	16.16	16.00	17.5	0.0	
100	PI2 BPSK	135	69	16.19	16.23	16.16	17.5	0.0	
100	PI2 BPSK	135	138	16.03	16.16	15.99			
100	PI2 BPSK	270	0	16.00	16.16	16.04			
100	QPSK	1	1	16.15	16.32	16.17			
100	QPSK	1	137	16.15	16.24	16.10	17.5	0.0	
100	QPSK	1	271	16.05	16.21	16.07			
100	QPSK	135	0	16.08	16.18	16.11	17.5	0.0	
100	QPSK	135	69	16.24	16.29	16.21	17.5	0.0	
100	QPSK	135	138	16.06	16.19	16.04	17.5	0.0	
100	QPSK	270	0	16.17	16.20	16.16			
100	16QAM	1	1	16.08	16.20	16.04	17.5	0.0	
100	64QAM	1	1	16.15	16.25	16.20	17.5	0.0	
100	256QAM	1	1	16.07	16.13	16.06	17.5	0.0	
Channel				509202	516998	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	15.99	16.17	16.11	17.5	0.0	
Channel				507204	516998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.98			
80	QPSK	1	1	16.05	16.20	16.05	17.5	0.0	
Channel				506202	516998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	16.10	16.17	16.11	17.5	0.0	
Channel				505200	516998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	16.01	16.28	16.11	17.5	0.0	
Channel				504202	516998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.98			
50	QPSK	1	1	16.02	16.22	16.11	17.5	0.0	
Channel				503202	516998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	16.06	16.26	16.03	17.5	0.0	
Channel				502200	516998	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.03	16.15	16.04	17.5	0.0	
Channel				501202	516998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.09	16.27	16.00	17.5	0.0	



n41 PC2 DSI2_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518598	528600			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	19.27	19.24	19.28			
100	PI2 BPSK	1	137	19.19	19.28	19.14	20.5	0.0	
100	PI2 BPSK	1	271	19.08	19.23	19.13			
100	PI2 BPSK	135	0	19.23	19.27	19.18	20.5	0.0	
100	PI2 BPSK	135	69	19.08	19.21	19.16	20.5	0.0	
100	PI2 BPSK	135	138	19.22	19.26	19.19	20.5	0.0	
100	PI2 BPSK	270	0	19.16	19.26	19.11			
100	QPSK	1	1	19.26	19.37	19.20			
100	QPSK	1	137	19.12	19.25	19.10	20.5	0.0	
100	QPSK	1	271	19.30	19.33	19.20			
100	QPSK	135	0	19.14	19.27	19.19	20.5	0.0	
100	QPSK	135	69	19.25	19.31	19.15	20.5	0.0	
100	QPSK	135	138	19.11	19.24	19.15	20.5	0.0	
100	QPSK	270	0	19.20	19.20	19.19			
100	16QAM	1	1	19.17	19.24	19.18	20.5	0.0	
100	64QAM	1	1	19.09	19.20	19.05	20.5	0.0	
100	256QAM	1	1	18.94	19.11	19.04	20.5	0.0	
Channel				510000	519598	529600			
Frequency (MHz)				2544	2592.99	2644.98			
90	QPSK	1	1	19.24	19.24	19.17	20.5	0.0	
Channel				507204	518598	529598			
Frequency (MHz)				2638.01	2692.99	2648.99			
80	QPSK	1	1	19.16	19.31	19.09	20.5	0.0	
Channel				506002	518598	531000			
Frequency (MHz)				2531.01	2592.99	2695			
70	QPSK	1	1	19.11	19.30	19.23	20.5	0.0	
Channel				505000	518598	531998			
Frequency (MHz)				2458	2592.99	2699.98			
60	QPSK	1	1	19.18	19.23	19.04	20.5	0.0	
Channel				504004	518598	532000			
Frequency (MHz)				2521.02	2592.99	2694.99			
50	QPSK	1	1	19.14	19.33	19.03	20.5	0.0	
Channel				503002	518598	534000			
Frequency (MHz)				2416.01	2592.99	2792			
40	QPSK	1	1	19.12	19.25	19.09	20.5	0.0	
Channel				502000	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	19.10	19.24	19.15	20.5	0.0	
Channel				501004	518598	535998			
Frequency (MHz)				2606.02	2592.99	2679.99			
20	QPSK	1	1	19.15	19.28	19.11	20.5	0.0	

n48 Part96 DSI2_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)				3270	3624.99	3978.98			
40	PI2 BPSK	1	1	14.73	14.80	14.84			
40	PI2 BPSK	1	53	14.82	14.97	14.94	15.9	0.0	
40	PI2 BPSK	1	104	14.75	14.89	14.72			
40	PI2 BPSK	50	0	14.87	14.98	14.89	15.9	0.0	
40	PI2 BPSK	50	25	14.88	14.84	14.76	15.9	0.0	
40	PI2 BPSK	50	56	14.82	14.95	14.88	15.9	0.0	
40	PI2 BPSK	100	0	14.77	14.92	14.82			
40	QPSK	1	1	14.95	15.00	14.88			
40	QPSK	1	53	14.78	14.84	14.79	15.9	0.0	
40	QPSK	1	104	14.87	14.95	14.78			
40	QPSK	50	0	14.79	14.88	14.77	15.9	0.0	
40	QPSK	50	25	14.96	14.98	14.81	15.9	0.0	
40	QPSK	50	56	14.71	14.85	14.76	15.9	0.0	
40	QPSK	100	0	14.75	14.85	14.76			
40	16QAM	1	1	14.80	14.88	14.81	15.9	0.0	
40	64QAM	1	1	14.78	14.83	14.75	15.9	0.0	
40	256QAM	1	1	14.62	14.70	14.72	15.9	0.0	
Channel				637000	641666	645666			
Frequency (MHz)				3655.02	3624.99	3684.99			
30	QPSK	1	1	14.96	14.85	14.81	15.9	0.0	
Channel				637000	641666	646000			
Frequency (MHz)				3669.01	3624.99	3690			
20	QPSK	1	1	14.83	14.85	14.81	15.9	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3655	3624.99	3694.98			
10	QPSK	1	1	14.80	14.98	14.94	15.9	0.0	



Part270 n77 DS12_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	15.10	15.23	15.20			
100	PI2 BPSK	1	137	15.03	15.16	15.02	16.1	0.0	
100	PI2 BPSK	1	271	14.99	15.15	15.02			
100	PI2 BPSK	135	0	15.12	15.19	15.17	16.1	0.0	
100	PI2 BPSK	135	69	15.03	15.10	15.10	16.1	0.0	
100	PI2 BPSK	135	138	15.22	15.26	15.11	16.1	0.0	
100	PI2 BPSK	270	0	15.10	15.15	15.08			
100	QPSK	1	1	15.20	15.29	15.16			
100	QPSK	1	137	15.06	15.19	15.11	16.1	0.0	
100	QPSK	1	271	15.02	15.15	15.02			
100	QPSK	135	0	15.17	15.10	15.05	16.1	0.0	
100	QPSK	135	69	15.02	15.20	15.10	16.1	0.0	
100	QPSK	135	138	15.13	15.15	15.06	16.1	0.0	
100	QPSK	270	0	15.03	15.17	15.13			
100	16QAM	1	1	15.18	15.23	15.12	16.1	0.0	
100	64QAM	1	1	15.05	15.20	15.17	16.1	0.0	
100	256QAM	1	1	15.00	15.11	15.01	16.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.05	15.25	15.08	16.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.09	15.17	15.06	16.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.10	15.27	15.12	16.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.14	15.16	15.03	16.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.13	15.13	15.06	16.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.15	15.24	15.09	16.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.03	15.11	15.00	16.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.08	15.22	15.06	16.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.04	15.23	14.99	16.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.10	15.15	15.05	16.1	0.0	

Part270 n77 PC2 DS12_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	18.01	18.17	18.00			
100	PI2 BPSK	1	137	18.08	18.19	18.05	19.1	0.0	
100	PI2 BPSK	1	271	18.01	18.10	17.95			
100	PI2 BPSK	135	0	18.04	18.17	18.09	19.1	0.0	
100	PI2 BPSK	135	69	18.01	18.05	17.94	19.1	0.0	
100	PI2 BPSK	135	138	18.05	18.19	18.10	19.1	0.0	
100	PI2 BPSK	270	0	18.01	18.17	18.07			
100	QPSK	1	1	18.08	18.22	18.13			
100	QPSK	1	137	18.05	18.19	18.10	19.1	0.0	
100	QPSK	1	271	17.97	18.08	18.02			
100	QPSK	135	0	18.02	18.05	18.11	19.1	0.0	
100	QPSK	135	69	17.94	18.14	17.95	19.1	0.0	
100	QPSK	135	138	17.98	18.12	18.02	19.1	0.0	
100	QPSK	270	0	17.95	18.11	18.02			
100	16QAM	1	1	18.12	18.16	18.05	19.1	0.0	
100	64QAM	1	1	18.04	18.08	18.01	19.1	0.0	
100	256QAM	1	1	17.87	18.03	17.83	19.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.97	18.09	18.05	19.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.00	18.05	18.00	19.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.05	18.19	17.99	19.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.01	18.14	18.06	19.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.97	18.13	18.08	19.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.94	18.06	18.08	19.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.05	18.13	18.08	19.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.92	18.17	18.00	19.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.99	18.09	17.97	19.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.95	18.13	18.10	19.1	0.0	



Part27Q n77 DSI2_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	15.47	15.47	15.47	18.1	0.0	
100	PI2 BPSK	1	137	15.48	15.48	15.48	18.1	0.0	
100	PI2 BPSK	1	271	15.36	15.36	15.36	18.1	0.0	
100	PI2 BPSK	135	0	15.49	15.49	15.49	18.1	0.0	
100	PI2 BPSK	135	69	15.45	15.45	15.45	18.1	0.0	
100	PI2 BPSK	135	138	15.39	15.39	15.39	18.1	0.0	
100	PI2 BPSK	270	0	15.36	15.36	15.36	18.1	0.0	
100	QPSK	1	1	15.52	15.52	15.52	18.1	0.0	
100	QPSK	1	137	15.42	15.42	15.42	18.1	0.0	
100	QPSK	1	271	15.45	15.45	15.45	18.1	0.0	
100	QPSK	135	0	15.37	15.37	15.37	18.1	0.0	
100	QPSK	135	69	15.42	15.42	15.42	18.1	0.0	
100	QPSK	135	138	15.41	15.41	15.41	18.1	0.0	
100	QPSK	270	0	15.40	15.40	15.40	18.1	0.0	
100	16QAM	1	1	15.40	15.40	15.40	18.1	0.0	
100	64QAM	1	1	15.44	15.44	15.44	18.1	0.0	
100	256QAM	1	1	15.35	15.35	15.35	18.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633334	633668	3495	3500.01	3505.02
90	QPSK	1	1	15.43	15.42	15.41	18.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633334	634000	3498.02	3500.01	3510
80	QPSK	1	1	15.47	15.41	15.47	18.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	632334	633334	634334	3498.01	3500.01	3515.01
70	QPSK	1	1	15.39	15.39	15.37	18.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633334	634668	3480	3500.01	3520.02
60	QPSK	1	1	15.43	15.37	15.40	18.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633334	635000	3478.02	3500.01	3525
50	QPSK	1	1	15.49	15.46	15.40	18.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633334	635334	3465	3500.01	3535.02
40	QPSK	1	1	15.38	15.40	15.50	18.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633334	635668	3465	3500.01	3535.02
30	QPSK	1	1	15.38	15.40	15.50	18.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630668	633334	636000	3460.02	3500.01	3540
20	QPSK	1	1	15.37	15.39	15.47	18.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	630334	633334	636334	3457.5	3500.01	3542.5
15	QPSK	1	1	15.44	15.50	15.40	18.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	630000	633334	636668	3452.01	3500.01	3545.01
10	QPSK	1	1	15.42	15.42	15.45	18.1	0.0	

Part27Q n77 PC2 DSI2_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	18.42	18.42	18.42	19.1	0.0	
100	PI2 BPSK	1	137	18.59	18.59	18.59	19.1	0.0	
100	PI2 BPSK	1	271	18.65	18.65	18.65	19.1	0.0	
100	PI2 BPSK	135	0	18.64	18.64	18.64	19.1	0.0	
100	PI2 BPSK	135	69	18.56	18.56	18.56	19.1	0.0	
100	PI2 BPSK	135	138	18.57	18.57	18.57	19.1	0.0	
100	PI2 BPSK	270	0	18.57	18.57	18.57	19.1	0.0	
100	QPSK	1	1	18.69	18.69	18.69	19.1	0.0	
100	QPSK	1	137	18.63	18.63	18.63	19.1	0.0	
100	QPSK	1	271	18.53	18.53	18.53	19.1	0.0	
100	QPSK	135	0	18.61	18.61	18.61	19.1	0.0	
100	QPSK	135	69	18.54	18.54	18.54	19.1	0.0	
100	QPSK	135	138	18.50	18.50	18.50	19.1	0.0	
100	QPSK	270	0	18.54	18.54	18.54	19.1	0.0	
100	16QAM	1	1	18.66	18.66	18.66	19.1	0.0	
100	64QAM	1	1	18.61	18.61	18.61	19.1	0.0	
100	256QAM	1	1	18.52	18.52	18.52	19.1	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633334	633668	3495	3500.01	3505.02
90	QPSK	1	1	18.65	18.56	18.52	19.1	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633334	634000	3498.02	3500.01	3510
80	QPSK	1	1	18.63	18.60	18.60	19.1	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	632334	633334	634334	3498.01	3500.01	3515.01
70	QPSK	1	1	18.54	18.52	18.53	19.1	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633334	634668	3480	3500.01	3520.02
60	QPSK	1	1	18.59	18.61	18.65	19.1	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633334	635000	3478.02	3500.01	3525
50	QPSK	1	1	18.61	18.66	18.55	19.1	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633334	635334	3465	3500.01	3535.02
40	QPSK	1	1	18.58	18.67	18.56	19.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633334	635668	3465	3500.01	3535.02
30	QPSK	1	1	18.58	18.67	18.56	19.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630668	633334	636000	3460.02	3500.01	3540
20	QPSK	1	1	18.52	18.65	18.61	19.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	630334	633334	636334	3457.5	3500.01	3542.5
15	QPSK	1	1	18.52	18.54	18.53	19.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	630000	633334	636668	3452.01	3500.01	3545.01
10	QPSK	1	1	18.56	18.57	18.57	19.1	0.0	



Part270 n78 DSI2_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. F.Freq. 650000	Midsize Ch. F.Freq. 650000	High Ch. F.Freq. 650000		
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		15.15			
100	PI2 BPSK	1	137		15.18		16.1	0.0
100	PI2 BPSK	1	271		15.09			
100	PI2 BPSK	135	0		15.16		16.1	0.0
100	PI2 BPSK	135	69		15.12		16.1	0.0
100	PI2 BPSK	135	138		15.06		16.1	0.0
100	PI2 BPSK	270	0		15.13		16.1	0.0
100	QPSK	1	1		15.22			
100	QPSK	1	137		15.11		16.1	0.0
100	QPSK	1	271		15.14			
100	QPSK	135	0		15.10		16.1	0.0
100	QPSK	135	69		15.19		16.1	0.0
100	QPSK	135	138		15.16		16.1	0.0
100	QPSK	270	0		15.06		16.1	0.0
100	16QAM	1	1		15.12		16.1	0.0
100	64QAM	1	1		15.11		16.1	0.0
100	256QAM	1	1		15.00		15.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	649898	650000	650334	Tune-up limit (dBm)	MPR (dB)
				3745.02	3750	3755.01		
				15.13	15.17	15.14	16.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
				3748.01	3750	3752.02		
				15.11	15.13	15.16	16.1	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
				3735	3750	3765		
Channel								
Frequency (MHz)								
60	QPSK	1	1	648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
				3730.02	3750	3770.01		
				15.14	15.17	15.07	16.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
				3725.01	3750	3775.02		
				15.16	15.18	15.17	16.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
				3720	3750	3780		
				15.07	15.19	15.08	16.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
				3715.02	3750	3785.01		
				15.14	15.16	15.11	16.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
				3710.01	3750	3790.02		
				15.10	15.15	15.14	16.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
				3705	3750	3795		
				15.13	15.16	15.17	16.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
				3705	3750	3795		
				15.12	15.16	15.11	15.1	0.0

Part270 n78 PC2 DSI2_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. F.Freq. 650000	Midsize Ch. F.Freq. 650000	High Ch. F.Freq. 650000		
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		16.14			
100	PI2 BPSK	1	137		16.10		16.1	0.0
100	PI2 BPSK	1	271		16.09			
100	PI2 BPSK	135	0		16.12		16.1	0.0
100	PI2 BPSK	135	69		16.05		16.1	0.0
100	PI2 BPSK	135	138		16.13		16.1	0.0
100	PI2 BPSK	270	0		16.07		16.1	0.0
100	QPSK	1	1		16.20			
100	QPSK	1	137		16.16		16.1	0.0
100	QPSK	1	271		16.08			
100	QPSK	135	0		16.10		16.1	0.0
100	QPSK	135	69		16.13		16.1	0.0
100	QPSK	135	138		16.04		16.1	0.0
100	QPSK	270	0		16.10		16.1	0.0
100	16QAM	1	1		16.12		16.1	0.0
100	64QAM	1	1		16.07		16.1	0.0
100	256QAM	1	1		16.08		16.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	649898	650000	650334	Tune-up limit (dBm)	MPR (dB)
				3745.02	3750	3755.01		
				16.15	16.05	16.06	16.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
				3748.01	3750	3752.02		
				16.06	16.06	16.12	16.1	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
				3735	3750	3765		
Channel								
Frequency (MHz)								
60	QPSK	1	1	648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
				3730.02	3750	3770.01		
				16.08	16.05	16.18	16.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
				3725.01	3750	3775.02		
				16.16	16.17	16.13	16.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
				3720	3750	3780		
				16.14	16.11	16.13	16.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
				3715.02	3750	3785.01		
				16.14	16.07	16.14	16.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
				3710.01	3750	3790.02		
				16.08	16.12	16.14	16.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
				3705	3750	3795		
				16.10	16.07	16.18	16.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
				3705	3750	3795		
				16.13	16.15	16.14	15.1	0.0



Part27Q n78 DSI2_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	15.40	3000.01			
100	PI2 BPSK	1	137	15.35			16.1	0.0
100	PI2 BPSK	1	271	15.32				
100	PI2 BPSK	135	0	15.37			16.1	0.0
100	PI2 BPSK	135	69	15.38			16.1	0.0
100	PI2 BPSK	135	138	15.39			16.1	0.0
100	PI2 BPSK	270	0	15.40			16.1	0.0
100	QPSK	1	1	15.46			16.1	0.0
100	QPSK	1	137	15.42				
100	QPSK	1	271	15.38				
100	QPSK	135	0	15.29			16.1	0.0
100	QPSK	135	69	15.41			16.1	0.0
100	QPSK	135	138	15.36			16.1	0.0
100	QPSK	270	0	15.43			16.1	0.0
100	16QAM	1	1	15.40			16.1	0.0
100	16QAM	1	1	15.35			16.1	0.0
100	256QAM	1	1	15.27			16.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.38	633000	633334	3005.02	16.1
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.34	632668	633334	634000	16.1
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.40	3485.01	3000.01	3015.01	16.1
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.42	632000	633334	634668	16.1
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.31	3475.02	3000.01	3025	16.1
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.42	631000	633334	635668	16.1
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.83	3485.01	3000.01	3015.01	16.1
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.33	3460.02	3000.01	3040	16.1
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.30	630334	633334	636334	16.1
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.40	3485.01	3000.01	3040.01	16.1

Part27Q n78 PC2 DSI2_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.69	3000.01			
100	PI2 BPSK	1	137	18.56			19.1	0.0
100	PI2 BPSK	1	271	18.60				
100	PI2 BPSK	135	0	18.62			19.1	0.0
100	PI2 BPSK	135	69	18.61			19.1	0.0
100	PI2 BPSK	135	138	18.58			19.1	0.0
100	PI2 BPSK	270	0	18.49			19.1	0.0
100	QPSK	1	1	18.68			19.1	0.0
100	QPSK	1	137	18.61				
100	QPSK	1	271	18.57				
100	QPSK	135	0	18.50			19.1	0.0
100	QPSK	135	69	18.56			19.1	0.0
100	QPSK	135	138	18.50			19.1	0.0
100	QPSK	270	0	18.61			19.1	0.0
100	16QAM	1	1	18.58			19.1	0.0
100	16QAM	1	1	18.53			19.1	0.0
100	256QAM	1	1	18.42			19.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.62	632000	633334	3005.02	16.1
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.58	632668	633334	634000	16.1
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.62	3485.01	3000.01	3015.01	16.1
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.63	632000	633334	634668	16.1
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.59	3475.02	3000.01	3025	16.1
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.55	631000	633334	635668	16.1
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.52	3485.01	3000.01	3015.01	16.1
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.59	3460.02	3000.01	3040	16.1
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.53	630334	633334	636334	16.1
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.62	3485.01	3000.01	3040.01	16.1



Reduced Power Mode for DSI3-Standalone

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				372000	376000	380000			
Frequency (MHz)				1860	1860	1860			
20	PI2 BPSK	1	1	22.53	23.07	22.99			
20	PI2 BPSK	1	53	22.79	22.98	22.82	24.0	0.0	
20	PI2 BPSK	1	104	22.85	22.92	22.90			
20	PI2 BPSK	50	0	22.79	22.95	22.91	24.0	0.0	
20	PI2 BPSK	50	28	22.94	22.96	23.02	24.0	0.0	
20	PI2 BPSK	50	56	22.90	22.92	22.82	24.0	0.0	
20	PI2 BPSK	100	0	22.81	22.90	22.86			
20	QPSK	1	1	22.98	23.14	23.07			
20	QPSK	1	53	22.98	23.09	23.00	24.0	0.0	
20	QPSK	1	104	22.97	22.95	22.97			
20	QPSK	50	0	22.92	22.93	22.94	24.0	0.0	
20	QPSK	50	28	22.93	23.06	22.87	24.0	0.0	
20	QPSK	50	56	22.93	22.99	22.84	24.0	0.0	
20	QPSK	100	0	22.93	23.00	22.97			
20	16QAM	1	1	22.74	22.86	22.71	24.0	0.0	
20	64QAM	1	1	21.70	21.89	21.83	23.0	1.0	
20	256QAM	1	1	20.21	20.32	20.24	21.0	3.0	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1860	1862.5			
15	QPSK	1	1	22.83	23.11	23.06	24.0	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1855	1860	1855			
10	QPSK	1	1	22.84	23.09	22.93	24.0	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1852.5	1860	1867.5			
5	QPSK	1	1	22.84	23.04	22.92	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)				834	836.5	839			
20	PI2 BPSK	1	1	23.09	23.19	23.14			
20	PI2 BPSK	1	53	22.97	23.04	22.94	24.0	0.0	
20	PI2 BPSK	1	104	22.84	22.96	22.89			
20	PI2 BPSK	50	0	23.00	23.08	22.98	24.0	0.0	
20	PI2 BPSK	50	28	23.09	23.14	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.93	22.96	22.92	24.0	0.0	
20	PI2 BPSK	100	0	22.94	23.00	22.89			
20	QPSK	1	1	23.13	23.22	23.16			
20	QPSK	1	53	23.09	23.19	23.11	24.0	0.0	
20	QPSK	1	104	23.02	23.06	22.91			
20	QPSK	50	0	22.91	22.98	22.89	24.0	0.0	
20	QPSK	50	28	23.09	23.18	23.12	24.0	0.0	
20	QPSK	50	56	22.97	23.02	22.87	24.0	0.0	
20	QPSK	100	0	23.01	23.14	23.07			
20	16QAM	1	1	23.02	23.08	22.95	24.0	0.0	
20	64QAM	1	1	22.57	22.71	22.68	24.0	0.0	
20	256QAM	1	1	21.90	22.04	21.94	23.0	1.0	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.03	23.16	23.11	24.0	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.08	23.19	23.06	24.0	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	23.08	23.16	23.06	24.0	0.0	

n7 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				506000	507000	510000			
Frequency (MHz)				2530	2530	2530			
40	PI2 BPSK	1	1	21.84	21.90	21.78			
40	PI2 BPSK	1	108	21.78	21.87	21.83	23.0	0.0	
40	PI2 BPSK	1	214	21.81	21.88	21.74			
40	PI2 BPSK	108	0	21.68	21.76	21.69	23.0	0.0	
40	PI2 BPSK	108	54	21.84	21.91	21.87	23.0	0.0	
40	PI2 BPSK	108	108	21.69	21.75	21.72	23.0	0.0	
40	PI2 BPSK	216	0	21.81	21.83	21.74			
40	QPSK	1	1	21.95	21.98	21.83			
40	QPSK	1	108	21.83	21.92	21.81	23.0	0.0	
40	QPSK	1	214	21.89	21.97	21.90			
40	QPSK	108	0	21.74	21.88	21.78	23.0	0.0	
40	QPSK	108	54	21.78	21.85	21.83	23.0	0.0	
40	QPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	QPSK	216	0	21.80	21.92	21.77			
40	16QAM	1	1	21.80	21.84	21.74	23.0	0.0	
40	64QAM	1	1	21.05	21.14	21.09	22.0	1.0	
40	256QAM	1	1	19.15	19.22	19.08	20.0	3.0	
Channel				505000	507000	511000			
Frequency (MHz)				2525	2535	2555			
30	QPSK	1	1	21.90	21.93	21.71	23.0	0.0	
Channel				505500	507000	511500			
Frequency (MHz)				2532.5	2535	2537.5			
25	QPSK	1	1	21.85	21.91	21.69	23.0	0.0	
Channel				505000	507000	512000			
Frequency (MHz)				2530	2535	2550			
20	PI2 BPSK	1	1	21.84	21.86	21.68	23.0	0.0	
Channel				504500	507000	512500			
Frequency (MHz)				2527.5	2535	2537.5			
15	QPSK	1	1	21.81	21.84	21.74	23.0	0.0	
Channel				504000	507000	513000			
Frequency (MHz)				2525	2535	2565			
10	QPSK	1	1	21.91	21.95	21.68	23.0	0.0	
Channel				503500	507000	513500			
Frequency (MHz)				2522.5	2535	2567.5			
5	QPSK	1	1	21.87	21.88	21.80	23.0	0.0	



n12 Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				141300	141500	141700	
Frequency (MHz)				704.5	707.5	710.5	
15	PI2 BPSK	1	1	23.05	23.11	22.97	
15	PI2 BPSK	1	40	22.84	22.92	22.80	24.0
15	PI2 BPSK	1	77	22.75	22.88	22.74	
15	PI2 BPSK	36	0	22.96	23.01	22.86	24.0
15	PI2 BPSK	36	22	23.01	23.06	22.94	24.0
15	PI2 BPSK	36	43	22.90	22.98	22.88	24.0
15	PI2 BPSK	75	0	22.90	23.02	22.96	
15	QPSK	1	1	23.13	23.19	23.12	
15	QPSK	1	40	23.07	23.12	23.08	24.0
15	QPSK	1	77	22.87	22.95	22.90	
15	QPSK	36	0	22.92	23.01	22.89	24.0
15	QPSK	36	22	22.97	23.06	22.97	24.0
15	QPSK	36	43	22.94	22.99	22.89	24.0
15	QPSK	75	0	22.85	23.01	22.90	
15	16QAM	1	1	23.07	23.11	23.07	24.0
15	64QAM	1	1	22.01	22.11	22.03	23.0
15	256QAM	1	1	23.14	23.23	23.17	21.0
Channel				140300	141200	142200	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	23.03	23.14	23.06	24.0
Channel				140300	141900	142700	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	1	22.99	23.08	23.04	24.0

n13 Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				156400	156600	156800	
Frequency (MHz)				712	714	716	
10	PI2 BPSK	1	1	23.15	23.15	23.15	
10	PI2 BPSK	1	26	23.13	23.13	23.13	24.0
10	PI2 BPSK	1	50	23.06	23.06	23.06	
10	PI2 BPSK	25	0	22.97	22.97	22.97	23.5
10	PI2 BPSK	25	14	23.15	23.15	23.15	24.0
10	PI2 BPSK	25	27	23.01	23.01	23.01	23.5
10	PI2 BPSK	50	0	23.11	23.11	23.11	23.5
10	QPSK	1	1	23.29	23.29	23.29	
10	QPSK	1	26	23.19	23.19	23.19	24.0
10	QPSK	1	50	23.13	23.13	23.13	
10	QPSK	25	0	22.46	22.46	22.46	23.0
10	QPSK	25	14	23.19	23.19	23.19	24.0
10	QPSK	25	27	22.97	22.97	22.97	23.0
10	QPSK	50	0	22.58	22.58	22.58	23.0
10	16QAM	1	1	21.67	21.67	21.67	23.0
10	64QAM	1	1	20.78	20.78	20.78	21.5
10	256QAM	1	1	19.36	19.36	19.36	18.5
Channel				155900	156400	156900	
Frequency (MHz)				719.5	752	784.5	
5	QPSK	1	1	23.20	23.26	23.22	24.0

n14 Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				158600	158800	159000	
Frequency (MHz)				712	714	716	
10	PI2 BPSK	1	1	23.37	23.37	23.37	
10	PI2 BPSK	1	26	23.28	23.28	23.28	24.0
10	PI2 BPSK	1	50	23.33	23.33	23.33	
10	PI2 BPSK	25	0	23.28	23.28	23.28	24.0
10	PI2 BPSK	25	14	23.35	23.35	23.35	24.0
10	PI2 BPSK	25	27	23.28	23.28	23.28	24.0
10	PI2 BPSK	50	0	23.31	23.31	23.31	24.0
10	QPSK	1	1	23.43	23.43	23.43	
10	QPSK	1	26	23.31	23.31	23.31	24.0
10	QPSK	1	50	23.36	23.36	23.36	
10	QPSK	25	0	23.31	23.31	23.31	24.0
10	QPSK	25	14	23.39	23.39	23.39	24.0
10	QPSK	25	27	23.28	23.28	23.28	24.0
10	QPSK	50	0	23.33	23.33	23.33	24.0
10	16QAM	1	1	23.22	23.22	23.22	24.0
10	64QAM	1	1	22.17	22.17	22.17	23.0
10	256QAM	1	1	20.40	20.40	20.40	21.0
Channel				158100	159000	159900	
Frequency (MHz)				750.5	759	765.5	
5	QPSK	1	1	23.32	23.40	23.30	24.0



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	376500	379000				
Frequency (MHz)										
40	PI2 BPSK	1	1	23.02	23.13	23.12				
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0		
40	PI2 BPSK	1	214	22.98	22.98	23.02				
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0		
40	PI2 BPSK	108	54	23.04	23.11	23.14	24.0	0.0		
40	PI2 BPSK	108	108	22.96	23.07	22.93	24.0	0.0		
40	PI2 BPSK	216	0	22.98	22.96	23.05				
40	QPSK	1	1	23.08	23.25	23.21				
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0		
40	QPSK	1	214	23.02	23.06	23.00				
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0		
40	QPSK	108	54	23.02	23.16	22.97	24.0	0.0		
40	QPSK	108	108	22.98	23.08	22.93	24.0	0.0		
40	QPSK	216	0	23.04	23.12	23.04	24.0	0.0		
40	16QAM	1	1	23.09	23.21	23.16	24.0	0.0		
40	64QAM	1	1	22.08	22.13	22.08	23.0	1.0		
40	256QAM	1	1	20.59	20.74	20.63	21.0	3.0		
Channel										
				375000	376500	380000				
Frequency (MHz)										
30	QPSK	1	1	22.99	23.11	23.06	24.0	0.0		
Channel										
				376500	376500	380500				
Frequency (MHz)										
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0		
Channel										
				372000	376500	381000				
Frequency (MHz)										
20	QPSK	1	1	22.99	23.19	23.08	24.0	0.0		
Channel										
				371500	376500	381500				
Frequency (MHz)										
15	QPSK	1	1	22.97	23.20	23.06	24.0	0.0		
Channel										
				371000	376500	382000				
Frequency (MHz)										
10	QPSK	1	1	22.98	23.21	23.17	24.0	0.0		
Channel										
				370500	376500	382500				
Frequency (MHz)										
5	QPSK	1	1	22.96	23.17	23.14	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										
				164800	166300	167800				
Frequency (MHz)										
20	PI2 BPSK	1	1	23.38	23.45	23.33				
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0		
20	PI2 BPSK	1	104	23.02	23.11	23.05				
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0		
20	PI2 BPSK	50	26	23.23	23.31	23.18	24.0	0.0		
20	PI2 BPSK	50	56	23.02	23.15	23.08	24.0	0.0		
20	PI2 BPSK	100	0	23.17	23.28	23.22				
20	QPSK	1	1	23.43	23.49	23.38				
20	QPSK	1	53	23.26	23.40	23.32	24.0	0.0		
20	QPSK	1	104	23.27	23.34	23.22				
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0		
20	QPSK	50	26	23.39	23.43	23.32	24.0	0.0		
20	QPSK	50	56	23.20	23.31	23.26	24.0	0.0		
20	QPSK	100	0	23.31	23.38	23.26	24.0	0.0		
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0		
20	64QAM	1	1	22.31	22.43	22.30	23.0	1.0		
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0		
Channel										
				165300	166300	166300				
Frequency (MHz)										
15	QPSK	1	1	23.39	23.36	23.33	24.0	0.0		
Channel										
				166000	166300	166800				
Frequency (MHz)										
10	QPSK	1	1	23.31	23.39	23.25	24.0	0.0		
Channel										
				165300	166300	166300				
Frequency (MHz)										
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0		

n30 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										
				462000						
Frequency (MHz)										
10	PI2 BPSK	1	1	22.91						
10	PI2 BPSK	1	26	22.89			24.0	0.0		
10	PI2 BPSK	1	50	22.82						
10	PI2 BPSK	25	0	22.81			24.0	0.0		
10	PI2 BPSK	25	14	22.92			24.0	0.0		
10	PI2 BPSK	25	27	22.87			24.0	0.0		
10	PI2 BPSK	50	0	22.81						
10	QPSK	1	1	23.03						
10	QPSK	1	26	22.91			24.0	0.0		
10	QPSK	1	50	22.90						
10	QPSK	25	0	22.80			24.0	0.0		
10	QPSK	25	14	22.83			24.0	0.0		
10	QPSK	25	27	22.89			24.0	0.0		
10	QPSK	50	0	22.90			24.0	0.0		
10	16QAM	1	1	22.66			24.0	0.0		
10	64QAM	1	1	22.17			23.0	1.0		
10	256QAM	1	1	20.17			21.0	3.0		
Channel										
				461500	462000	462500				
Frequency (MHz)										
5	QPSK	1	1	22.83	22.90	22.81	24.0	0.0		



n66 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Mid-Hi Ch. / Freq	High Ch. / Freq		
Channel				346000	349000	352000		
Frequency (MHz)				1712	1745	1776		
40	PI2 BPSK	1	1	23.18	23.29	23.32		
40	PI2 BPSK	1	108	23.07	23.35	23.14	24.0	0.0
40	PI2 BPSK	1	214	23.23	23.14	23.27		
40	PI2 BPSK	108	0	23.17	23.27	23.23	24.0	0.0
40	PI2 BPSK	108	54	23.22	23.36	23.40	24.0	0.0
40	PI2 BPSK	108	108	23.18	23.33	23.13	24.0	0.0
40	PI2 BPSK	216	0	23.04	23.22	23.21		
40	QPSK	1	1	23.26	23.45	23.40		
40	QPSK	1	108	23.37	23.34	23.27	24.0	0.0
40	QPSK	1	214	23.26	23.26	23.25		
40	QPSK	108	0	23.16	23.18	23.13	24.0	0.0
40	QPSK	108	54	23.22	23.35	23.24	24.0	0.0
40	QPSK	108	108	23.16	23.26	23.16	24.0	0.0
40	QPSK	216	0	23.21	23.35	23.22		
40	16QAM	1	1	22.70	22.48	22.63	24.0	0.0
40	64QAM	1	1	21.62	21.37	21.54	23.0	1.0
40	256QAM	1	1	20.39	20.24	20.44	21.0	3.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.16	23.39	23.35	24.0	0.0
Channel				340000	349000	349000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.13	23.41	23.35	24.0	0.0
Channel				343000	349000	345000		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.22	23.37	23.33	24.0	0.0
Channel				343000	349000	350000		
Frequency (MHz)				1712	1745	1775		
10	QPSK	1	1	23.22	23.34	23.29	24.0	0.0
Channel				342500	349000	350000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.14	23.38	23.30	24.0	0.0

n70 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq	Mid-Hi Ch. / Freq	High Ch. / Freq			
Channel				340000	340500	341000			
Frequency (MHz)				1700	1702.5	1705			
15	PI2 BPSK	1	1		20.85				
15	PI2 BPSK	1	40		20.92		22.0	0.0	
15	PI2 BPSK	1	77		20.86				
15	PI2 BPSK	36	0		20.74		22.0	0.0	
15	PI2 BPSK	36	22		20.83		22.0	0.0	
15	PI2 BPSK	36	43		20.77		22.0	0.0	
15	PI2 BPSK	75	0		20.81				
15	QPSK	1	1		21.00				
15	QPSK	1	40		20.86		22.0	0.0	
15	QPSK	1	77		20.84				
15	QPSK	36	0		20.79		21.0	1.0	
15	QPSK	36	22		20.82		22.0	0.0	
15	QPSK	36	43		20.67		21.0	1.0	
15	QPSK	75	0		20.78				
15	16QAM	1	1		18.05		19.0	1.0	
15	64QAM	1	1		18.01		18.5	2.5	
15	256QAM	1	1		16.67		17.5	4.5	
Channel				340000	340500	341000			
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1		20.85	20.91	20.88	22.0	0.0
Channel				340500	340500	341000			
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1		20.89	20.95	20.89	22.0	0.0



n71 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up Init (dBm)	MPR (dB)	
				Low Ch. / Freq.	Midle Ch. / Freq.	High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	23.27	23.32	23.34			
20	PI2 BPSK	1	53	23.19	23.28	23.17	24.0	0.0	
20	PI2 BPSK	1	104	23.09	23.22	23.19			
20	PI2 BPSK	50	0	23.16	23.26	23.18	24.0	0.0	
20	PI2 BPSK	50	99	23.21	23.29	23.17	24.0	0.0	
20	PI2 BPSK	50	56	23.03	23.18	23.14	24.0	0.0	
20	PI2 BPSK	100	0	23.10	23.22	23.09			
20	QPSK	1	1	23.27	23.36	23.34			
20	QPSK	1	53	23.17	23.21	23.28	24.0	0.0	
20	QPSK	1	104	23.18	23.29	23.23			
20	QPSK	50	0	23.11	23.23	23.11	24.0	0.0	
20	QPSK	50	28	23.20	23.33	23.21	24.0	0.0	
20	QPSK	50	56	23.13	23.23	23.11	24.0	0.0	
20	QPSK	100	0	23.14	23.26	23.14			
20	16QAM	1	1	22.76	22.88	22.84	24.0	0.0	
20	64QAM	1	1	22.10	22.19	22.12	23.0	1.0	
20	256QAM	1	1	20.53	20.57	20.49	21.0	3.0	
Channel				134100	135100	136100	Tune-up Init (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	23.15	23.35	23.26	24.0	0.0	
Channel				130600	130100	130600	Tune-up Init (dBm)	MPR (dB)	
Frequency (MHz)				668	660.5	668			
10	QPSK	1	1	23.12	23.33	23.28	24.0	0.0	
Channel				133100	136100	139100	Tune-up Init (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	23.19	23.27	23.21	24.0	0.0	



n38 DSI3_Standalone 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				516004	516000	516996		
Frequency (MHz)				2500.02	2595	2599.98		
40	PI2 BPSK	1	1	19.26	19.33	19.40		
40	PI2 BPSK	1	53	19.21	19.29	19.37	21.1	0.0
40	PI2 BPSK	1	104	19.25	19.58	19.44		
40	PI2 BPSK	50	0	19.26	19.34	19.37	21.1	0.0
40	PI2 BPSK	50	28	19.38	19.30	19.23	21.1	0.0
40	PI2 BPSK	50	56	19.41	19.30	19.51		
40	PI2 BPSK	100	0	19.48	19.47	19.38	21.1	0.0
40	QPSK	1	1	19.26	19.78	19.33		
40	QPSK	1	53	19.35	19.41	19.18	21.1	0.0
40	QPSK	1	104	19.14	19.31	19.45		
40	QPSK	50	0	19.49	19.38	19.55	21.1	0.0
40	QPSK	50	28	19.28	19.67	19.29	21.1	0.0
40	QPSK	50	56	19.34	19.34	19.23	21.1	0.0
40	QPSK	100	0	19.42	19.45	19.21		
40	16QAM	1	1	19.19	19.21	19.22	21.1	0.0
40	64QAM	1	1	19.34	19.41	19.61	21.1	0.0
40	256QAM	1	1	19.27	19.37	19.33	19.5	1.0
Channel				517002	516000	520008		
Frequency (MHz)				2585.01	2555	2604.99		
30	QPSK	1	1	19.23	19.76	19.29	21.1	0.0
Channel				516504	516000	521496		
Frequency (MHz)				2602.82	2555	2607.88		
25	QPSK	1	1	19.19	19.73	19.25	21.1	0.0
Channel				516000	516000	522000		
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	19.21	19.22	19.30	21.1	0.0
Channel				515502	516000	522498		
Frequency (MHz)				2577.51	2555	2612.49		
15	QPSK	1	1	19.18	19.74	19.29	21.1	0.0
Channel				515004	516000	522996		
Frequency (MHz)				2575.02	2555	2614.98		
10	QPSK	1	1	19.20	19.69	19.32	21.1	0.0

n41 DSI3_Standalone 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				506002	518598	528000		
Frequency (MHz)				2540.01	2592.99	2540		
100	PI2 BPSK	1	1	19.40	19.38	19.43		
100	PI2 BPSK	1	137	19.30	19.35	19.31	21.1	0.0
100	PI2 BPSK	1	271	19.21	19.38	19.29		
100	PI2 BPSK	135	0	19.35	19.46	19.42	21.1	0.0
100	PI2 BPSK	135	69	19.51	19.57	19.45	21.1	0.0
100	PI2 BPSK	135	138	19.34	19.48	19.43		
100	PI2 BPSK	270	0	19.40	19.50	19.37	21.1	0.0
100	QPSK	1	1	19.47	19.69	19.50		
100	QPSK	1	137	19.45	19.36	19.30	21.1	0.0
100	QPSK	1	271	19.34	19.54	19.34		
100	QPSK	135	0	19.37	19.38	19.34	21.1	0.0
100	QPSK	135	69	19.55	19.58	19.27	21.1	0.0
100	QPSK	135	138	19.30	19.46	19.46	21.1	0.0
100	QPSK	270	0	19.38	19.45	19.24		
100	16QAM	1	1	19.47	19.58	19.42	21.1	0.0
100	64QAM	1	1	19.02	19.18	19.03	20.5	0.6
100	256QAM	1	1	17.45	17.53	17.43	18.5	2.0
Channel				516500	518598	529598		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.32	19.27	19.24	21.1	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	19.23	19.41	19.41	21.1	0.0
Channel				506002	518598	531000		
Frequency (MHz)				2531.01	2592.99	2605		
70	QPSK	1	1	19.30	19.47	19.37	21.1	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2609.98		
60	QPSK	1	1	19.37	19.43	19.40	21.1	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2604.99		
50	QPSK	1	1	19.34	19.51	19.30	21.1	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2600		
40	QPSK	1	1	19.19	19.43	19.38	21.1	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.23	19.43	19.29	21.1	0.0
Channel				511204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.20	19.49	19.29	21.1	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				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	2227	2239	2228			
100	PI2 BPSK	1	137	2227	2244	2235	24.1	0.0	
100	PI2 BPSK	1	271	2225	2219	2231			
100	PI2 BPSK	135	0	2220	2230	2231	24.1	0.0	
100	PI2 BPSK	135	69	2239	2231	2219	24.1	0.0	
100	PI2 BPSK	135	138	2215	2222	2222	24.1	0.0	
100	PI2 BPSK	270	0	2217	2221	2234			
100	QPSK	1	1	2237	2253	2239			
100	QPSK	1	197	2240	2247	2240	24.1	0.0	
100	QPSK	1	211	2218	2230	2218			
100	QPSK	135	0	2238	2238	2245	24.1	0.0	
100	QPSK	135	69	2222	2249	2233	24.1	0.0	
100	QPSK	135	138	2240	2242	2219	24.1	0.0	
100	QPSK	270	0	2244	2248	2232			
100	16QAM	1	1	2232	2232	2225	24.1	0.0	
100	64QAM	1	1	2245	2242	2252	24.0	0.1	
100	256QAM	1	1	2018	2030	2016	22.0	2.1	
Channel				506203	518599	528000	Tune-up limit	MPR	
Frequency (MHz)				2641	2592.99	2644.98			
80	QPSK	1	1	2224	2226	2216	24.1	0.0	
Channel				507294	518598	528000	Tune-up limit	MPR	
Frequency (MHz)				2638.02	2661.99	2684.98			
80	QPSK	1	1	2218	2245	2231	24.1	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	2218	2234	2220	24.1	0.0	
Channel				505200	518598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	2216	2240	2212	24.1	0.0	
Channel				505203	518599	532000	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	2211	2239	2227	24.1	0.0	
Channel				505202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	2224	2232	2227	24.1	0.0	
Channel				502000	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	2215	2231	2218	24.1	0.0	
Channel				507293	518598	528000	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	2211	2225	2220	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				636000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	2037	2101	2056			
40	PI2 BPSK	1	53	2037	2099	2088	22.0	0.0	
40	PI2 BPSK	1	104	2031	2036	2031			
40	PI2 BPSK	50	0	2030	2040	2034	21.5	0.5	
40	PI2 BPSK	50	26	2034	2037	2032	22.0	0.0	
40	PI2 BPSK	50	56	2034	2039	2034	21.5	0.5	
40	PI2 BPSK	100	0	2038	2043	2030			
40	QPSK	1	1	2039	2109	2034			
40	QPSK	1	53	2030	2103	2037	22.0	0.0	
40	QPSK	1	104	2032	2036	2033			
40	QPSK	50	0	2032	2033	1936	21.0	1.0	
40	QPSK	50	26	2034	2105	2038	22.0	0.0	
40	QPSK	50	56	1936	2034	1932	21.0	1.0	
40	QPSK	100	0	1934	2037	2033			
40	16QAM	1	1	1930	1936	1931	21.0	1.0	
40	64QAM	1	1	1857	1876	1864	19.5	2.5	
40	256QAM	1	1	1652	1639	1647	17.5	4.5	
Channel				637334	641666	645998	Tune-up limit	MPR	
Frequency (MHz)				3585.02	3624.99	3684.98			
30	QPSK	1	1	2037	2103	2033	22.0	0.0	
Channel				637334	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3580.03	3624.99	3690			
20	QPSK	1	1	2030	2034	2030	22.0	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3555	3624.99	3684.98			
10	QPSK	1	1	2036	2039	2039	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	Pl2 BPSK	1	1	22.81	22.84	22.91		
100	Pl2 BPSK	1	137	22.94	23.02	22.97	24.0	0.0
100	Pl2 BPSK	1	271	22.77	22.89	22.77		
100	Pl2 BPSK	135	0	22.74	22.90	22.74	24.0	0.0
100	Pl2 BPSK	135	69	22.95	22.97	22.93	24.0	0.0
100	Pl2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0
100	Pl2 BPSK	270	0	22.82	22.92	22.81	24.0	0.0
100	QPSK	1	1	22.88	23.06	23.04		
100	QPSK	1	137	22.86	22.86	22.83	24.0	0.0
100	QPSK	1	271	22.97	22.99	22.88		
100	QPSK	135	0	22.94	23.02	22.90	24.0	0.0
100	QPSK	135	69	22.92	23.03	22.90	24.0	0.0
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0
100	QPSK	270	0	22.94	22.90	22.77	24.0	0.0
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0
100	256QAM	1	1	20.19	20.24	20.19	21.0	3.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.82	22.95	22.94	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.75	22.99	22.98	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.81	22.96	22.99	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.74	22.90	22.90	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.71	22.88	22.93	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.78	23.00	22.97	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	25.68	25.92	25.60		
100	Pl2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0
100	Pl2 BPSK	1	271	25.88	26.07	26.03		
100	Pl2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0
100	Pl2 BPSK	135	69	25.85	26.02	25.98	27.0	0.0
100	Pl2 BPSK	135	138	25.82	26.05	25.90	27.0	0.0
100	Pl2 BPSK	270	0	25.70	25.91	25.87	27.0	0.0
100	QPSK	1	1	25.80	26.13	26.08		
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0
100	QPSK	1	271	25.83	26.03	25.87		
100	QPSK	135	0	25.64	25.82	25.76	27.0	0.0
100	QPSK	135	69	25.96	26.10	26.00	27.0	0.0
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0
100	QPSK	270	0	25.77	25.97	25.81	27.0	0.0
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5
100	256QAM	1	1	23.19	23.40	23.38	24.5	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.66	25.97	25.97	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.76	26.06	25.98	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.77	25.98	26.06	27.0	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	Pl2 BPSK	1	1		350.01			
100	Pl2 BPSK	1	137		350.01		24.0	0.0
100	Pl2 BPSK	1	271		350.01			
100	Pl2 BPSK	135	0		350.01		24.0	0.0
100	Pl2 BPSK	135	69		350.01		24.0	0.0
100	Pl2 BPSK	135	138		350.01		24.0	0.0
100	Pl2 BPSK	270	0		350.01		24.0	0.0
100	QPSK	1	1		350.01			
100	QPSK	1	137		350.01		24.0	0.0
100	QPSK	1	271		350.01			
100	QPSK	135	0		350.01		24.0	0.0
100	QPSK	135	69		350.01		24.0	0.0
100	QPSK	135	138		350.01		24.0	0.0
100	QPSK	270	0		350.01		24.0	0.0
100	16QAM	1	1		350.01		23.0	1.0
100	64QAM	1	1		350.01		21.0	3.0
100	256QAM	1	1		350.01		19.0	5.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633968	633968	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633968	633968	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	633000	633968	633968	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	633000	633968	633968	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	633000	633968	633968	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	633000	633968	633968	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	633000	633968	633968	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	633000	633968	633968	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	633000	633968	633968	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	633000	633968	633968	24.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		26.35			
100	PI2 BPSK	1	271		26.39		27.0	0.0
100	PI2 BPSK	1	271		26.38			
100	PI2 BPSK	135	0		26.33		27.0	0.0
100	PI2 BPSK	135	69		26.29		27.0	0.0
100	PI2 BPSK	135	138		26.35		27.0	0.0
100	PI2 BPSK	270	0		26.38			
100	QPSK	1	1		26.46			
100	QPSK	1	137		26.36			
100	QPSK	1	271		26.31		27.0	0.0
100	QPSK	135	0		26.29		27.0	0.0
100	QPSK	135	69		26.35		27.0	0.0
100	QPSK	135	138		26.26		27.0	0.0
100	QPSK	270	0		26.40			
100	16QAM	1	1		26.29		27.0	0.0
100	64QAM	1	1		26.06		26.5	0.5
100	256QAM	1	1		24.11		24.5	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	26.30	26.34	26.43	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	26.38	26.40	26.29	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.30	26.39	26.29	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	26.36	26.31	26.34	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631863	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	26.38	26.33	26.37	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.42	26.36	26.32	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	26.32	26.33	26.43	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	26.36	26.38	26.41	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	26.42	26.33	26.37	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
10	QPSK	1	1	26.35	26.31	26.34	27.0	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)				3750	3750	3750			
100	PI2 BPSK	1	1		22.85				
100	PI2 BPSK	1	137		22.80		24.0	0.0	
100	PI2 BPSK	1	271		22.74				
100	PI2 BPSK	135	0		22.85		24.0	0.0	
100	PI2 BPSK	135	69		22.73		24.0	0.0	
100	PI2 BPSK	135	138		22.84		24.0	0.0	
100	PI2 BPSK	270	0		22.75		24.0	0.0	
100	QPSK	1	1		22.89				
100	QPSK	1	137		22.81		24.0	0.0	
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.75		23.5	0.5	
100	QPSK	135	69		22.83		24.0	0.0	
100	QPSK	135	138		22.75		23.5	0.5	
100	QPSK	270	0		22.85		22.0	2.0	
100	16QAM	1	1		22.25		22.0	2.0	
100	64QAM	1	1		20.83		22.0	4.0	
100	256QAM	1	1		19.01		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.71	22.84	22.79	24.0	0.0
Channel									
Frequency (MHz)				64834	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.81	22.73	22.89	24.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.53	22.79	22.66	24.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.73	22.80	22.80	24.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.78	22.75	22.73	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.78	22.85	22.87	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3715.02	3750	3785.01	24.0	0.0
Channel									
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3710.01	3750	3790.02	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.81	22.83	22.70	24.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.74	22.88	22.72	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.83				
100	PI2 BPSK	1	137		25.82		27.0	0.0	
100	PI2 BPSK	1	271		25.85				
100	PI2 BPSK	135	0		25.90		27.0	0.0	
100	PI2 BPSK	135	69		25.96		27.0	0.0	
100	PI2 BPSK	135	138		25.91		27.0	0.0	
100	PI2 BPSK	270	0		25.87		27.0	0.0	
100	QPSK	1	1		25.97				
100	QPSK	1	137		25.90		27.0	0.0	
100	QPSK	1	271		25.94				
100	QPSK	135	0		25.83		27.0	0.0	
100	QPSK	135	69		25.93		27.0	0.0	
100	QPSK	135	138		25.84		27.0	0.0	
100	QPSK	270	0		25.94		27.0	0.0	
100	16QAM	1	1		25.58		25.5	1.5	
100	64QAM	1	1		24.18		25.5	1.5	
100	256QAM	1	1		22.28		23.5	3.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.83	25.83	25.83	27.0	0.0
Channel									
Frequency (MHz)				64834	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.83	25.79	27.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.81	25.85	25.81	27.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.91	25.85	25.83	27.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.91	25.94	25.83	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.78	25.83	25.81	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3715.02	3750	3785.01	27.0	0.0
Channel									
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3710.01	3750	3790.02	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.78	25.91	25.77	27.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.80	25.91	25.77	27.0	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)					350.01				
100	PI2 BPSK	1	1		23.22				
100	PI2 BPSK	1	137		23.18		24.0	0.0	
100	PI2 BPSK	1	271		23.29				
100	PI2 BPSK	135	0		23.22		24.0	0.0	
100	PI2 BPSK	135	69		23.30		24.0	0.0	
100	PI2 BPSK	135	138		23.29		24.0	0.0	
100	PI2 BPSK	270	0		23.17		24.0	0.0	
100	QPSK	1	1		23.32				
100	QPSK	1	137		23.21		24.0	0.0	
100	QPSK	1	271		23.17				
100	QPSK	135	0		23.18		23.5	0.5	
100	QPSK	135	69		23.23		24.0	0.0	
100	QPSK	135	138		23.17		23.5	0.5	
100	QPSK	270	0		23.26		22.0	2.0	
100	16QAM	1	1		23.13		22.0	2.0	
100	64QAM	1	1		21.58		22.0	4.0	
100	256QAM	1	1		19.48		22.0	4.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.17	23.23	23.18	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.15	23.24	23.21	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.22	23.29	23.14	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.09	23.22	23.19	24.0	0.0
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.10	23.20	23.19	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.22	23.20	23.17	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3465	3500.01	3535.02	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3460.02	3500.01	3540	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.23	23.26	23.20	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.14	23.19	23.25	24.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.24			
100	PI2 BPSK	1	271		20.33		27.0	0.0
100	PI2 BPSK	135	0		20.28			
100	PI2 BPSK	135	69		20.22		27.0	0.0
100	PI2 BPSK	135	138		20.32		27.0	0.0
100	PI2 BPSK	270	0		20.27		27.0	0.0
100	PI2 BPSK	270	0		20.25			
100	QPSK	1	1		20.38			
100	QPSK	1	197		20.33		27.0	0.0
100	QPSK	1	271		20.22			
100	QPSK	135	0		20.30		27.0	0.0
100	QPSK	135	69		20.35		27.0	0.0
100	QPSK	135	138		20.32		27.0	0.0
100	QPSK	270	0		20.23			
100	16QAM	1	1		20.16		27.0	0.0
100	64QAM	1	1		25.20		25.5	1.5
100	256QAM	1	1		23.16		23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				20.16	20.26	20.22	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
				20.24	20.24	20.24	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				20.22	20.29	20.23	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				20.20	20.26	20.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631800	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				20.26	20.29	20.26	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
				20.18	20.23	20.26	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
				20.24	20.34	20.30	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				20.22	20.27	20.20	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636300	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
				20.18	20.35	20.28	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
				20.25	20.32	20.27	27.0	0.0



n2 Default 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)				1660	1680	1690			
20	PI2 BPSK	1	1	21.58	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.60	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.50	19.21	19.29	21.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
Frequency (MHz)				3710.0	3760.0	3810.0			
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
Frequency (MHz)				3705.0	3760.0	3815.0			
5	QPSK	1	1	21.32	21.40	21.24	23.0	0.0	

n5 Default 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)				1668.0	1679.0	1676.0			
20	PI2 BPSK	1	1	21.80	21.66	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.76	21.86	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.56	21.0	2.0	
Channel									
Frequency (MHz)				1620.0	1620.0	1620.0			
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
Frequency (MHz)				1658.0	1670.0	1680.0			
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
Frequency (MHz)				1663.0	1673.0	1683.0			
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 DSI3_ Standalone 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)				5060.0	5070.0	5100.0			
40	PI2 BPSK	1	1	19.52	19.54	19.56			
40	PI2 BPSK	1	108	19.42	19.58	19.55	20.7	0.0	
40	PI2 BPSK	1	214	19.54	19.58	19.49			
40	PI2 BPSK	108	0	19.45	19.59	19.54	20.7	0.0	
40	PI2 BPSK	108	54	19.53	19.56	19.49	20.7	0.0	
40	PI2 BPSK	108	108	19.55	19.68	19.56	20.7	0.0	
40	PI2 BPSK	216	0	19.50	19.56	19.46			
40	QPSK	1	1	19.60	19.72	19.56			
40	QPSK	1	108	19.54	19.66	19.51	20.7	0.0	
40	QPSK	1	214	19.50	19.66	19.57			
40	QPSK	108	0	19.52	19.58	19.48	20.7	0.0	
40	QPSK	108	54	19.53	19.66	19.54	20.7	0.0	
40	QPSK	108	108	19.42	19.58	19.45	20.7	0.0	
40	QPSK	216	0	19.51	19.59	19.51			
40	16QAM	1	1	19.58	19.69	19.54	20.7	0.0	
40	64QAM	1	1	19.37	19.48	19.34	20.7	0.0	
40	256QAM	1	1	19.01	19.14	19.09	20.0	0.7	
Channel									
Frequency (MHz)				5200.0	5210.0	5190.0			
30	QPSK	1	1	19.56	19.55	19.52	20.7	0.0	
Channel									
Frequency (MHz)				5215.0	5235.0	5255.0			
25	QPSK	1	1	19.57	19.60	19.42	20.7	0.0	
Channel									
Frequency (MHz)				5020.0	5070.0	5120.0			
20	PI2 BPSK	1	1	19.54	19.58	19.47	20.7	0.0	
Channel									
Frequency (MHz)				5015.0	5070.0	5125.0			
15	QPSK	1	1	19.56	19.67	19.52	20.7	0.0	
Channel									
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	1	19.45	19.68	19.51	20.7	0.0	
Channel									
Frequency (MHz)				5000.0	5070.0	5130.0			
5	QPSK	1	1	19.52	19.59	19.54	20.7	0.0	



n12 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				706.5	707.5	708.5	
15	PI2 BPSK	1	1	21.82	21.86	21.78	
15	PI2 BPSK	1	40	21.64	21.71	21.60	23.0
15	PI2 BPSK	1	77	21.49	21.59	21.48	
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0
15	PI2 BPSK	36	43	21.64	21.69	21.66	
15	PI2 BPSK	75	0	21.71	21.79	21.70	23.0
15	QPSK	1	1	21.87	21.95	21.82	
15	QPSK	1	40	21.76	21.86	21.74	23.0
15	QPSK	1	77	21.70	21.79	21.67	
15	QPSK	36	0	21.64	21.73	21.60	23.0
15	QPSK	36	22	21.83	21.86	21.79	23.0
15	QPSK	36	43	21.62	21.73	21.64	23.0
15	QPSK	75	0	21.72	21.79	21.74	
15	16QAM	1	1	21.53	21.63	21.52	23.0
15	64QAM	1	1	20.83	20.93	20.89	22.0
15	256QAM	1	1	19.33	19.41	19.29	20.0
Channel							
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	21.82	21.88	21.69	23.0
Channel							
Frequency (MHz)				140390	141950	142700	
5	QPSK	1	1	21.79	21.81	21.72	23.0

n13 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				722			
10	PI2 BPSK	1	1	21.84			
10	PI2 BPSK	1	26	21.79			23.0
10	PI2 BPSK	1	50	21.72			
10	PI2 BPSK	25	0	20.93			22.5
10	PI2 BPSK	25	14	21.88			23.0
10	PI2 BPSK	25	27	21.76			
10	PI2 BPSK	50	0	21.81			22.5
10	QPSK	1	1	21.94			
10	QPSK	1	26	21.87			23.0
10	QPSK	1	50	21.83			
10	QPSK	25	0	20.89			22.0
10	QPSK	25	14	21.89			23.0
10	QPSK	25	27	21.13			22.0
10	QPSK	50	0	21.19			
10	16QAM	1	1	20.71			22.0
10	64QAM	1	1	19.53			20.5
10	256QAM	1	1	18.22			18.5
Channel							
Frequency (MHz)				155500	156000	156500	
5	QPSK	1	1	21.80	21.87	21.61	23.0

n14 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				793			
10	PI2 BPSK	1	1	21.88			
10	PI2 BPSK	1	26	21.90			23.0
10	PI2 BPSK	1	50	21.86			
10	PI2 BPSK	25	0	21.89			23.0
10	PI2 BPSK	25	14	21.95			23.0
10	PI2 BPSK	25	27	21.86			
10	PI2 BPSK	50	0	21.93			23.0
10	QPSK	1	1	22.04			
10	QPSK	1	26	22.01			23.0
10	QPSK	1	50	21.96			
10	QPSK	25	0	21.94			23.0
10	QPSK	25	14	21.99			23.0
10	QPSK	25	27	21.87			23.0
10	QPSK	50	0	21.94			
10	16QAM	1	1	21.88			23.0
10	64QAM	1	1	20.85			22.0
10	256QAM	1	1	19.09			20.0
Channel							
Frequency (MHz)				158100	158600	159100	
5	QPSK	1	1	21.93	21.98	21.91	23.0



n25 Default 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)				1670	1682.5	1695			
40	PI2 BPSK	1	1	21.59	21.43	21.33	23.0	0.0	
40	PI2 BPSK	1	108	21.32	21.37	21.22			
40	PI2 BPSK	1	214	21.34	21.40	21.28			
40	PI2 BPSK	108	0	21.35	21.39	21.32	23.0	0.0	
40	PI2 BPSK	108	54	21.35	21.45	21.38	23.0	0.0	
40	PI2 BPSK	108	108	21.31	21.34	21.27	23.0	0.0	
40	PI2 BPSK	216	0	21.28	21.38	21.26			
40	QPSK	1	1	21.49	21.52	21.45			
40	QPSK	1	108	21.37	21.48	21.40	23.0	0.0	
40	QPSK	1	214	21.30	21.42	21.34			
40	QPSK	108	0	21.32	21.38	21.29	23.0	0.0	
40	QPSK	108	54	21.42	21.49	21.38	23.0	0.0	
40	QPSK	108	108	21.38	21.41	21.37	23.0	0.0	
40	QPSK	216	0	21.36	21.44	21.33			
40	16QAM	1	1	21.33	21.37	21.28	23.0	0.0	
40	64QAM	1	1	20.32	20.42	20.37	22.0	1.0	
40	256QAM	1	1	19.07	19.13	19.06	23.0	3.0	
Channel									
Frequency (MHz)				1685	1692.5	1690			
30	QPSK	1	1	21.42	21.47	21.35	23.0	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	21.35	21.41	21.38	23.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	21.39	21.43	21.33	23.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	21.34	21.40	21.34	23.0	0.0	
Channel									
Frequency (MHz)				371000	376500	382000			
10	QPSK	1	1	21.45	21.49	21.36	23.0	0.0	
Channel									
Frequency (MHz)				370500	376500	382500			
5	QPSK	1	1	21.38	21.43	21.38	23.0	0.0	

n26 Default 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)				164800	166300	167800			
20	PI2 BPSK	1	1	22.07	22.11	22.02			
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0	
20	PI2 BPSK	1	104	21.85	21.91	21.80			
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0	0.0	
20	PI2 BPSK	50	28	21.94	22.06	21.94	23.0	0.0	
20	PI2 BPSK	50	56	21.83	21.91	21.81	23.0	0.0	
20	PI2 BPSK	100	0	21.92	22.01	21.95			
20	QPSK	1	1	22.03	22.15	22.04			
20	QPSK	1	53	21.99	22.10	22.07	23.0	0.0	
20	QPSK	1	104	21.91	22.05	21.94			
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0	
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0	
20	QPSK	50	56	21.92	21.99	21.83	23.0	0.0	
20	QPSK	100	0	22.02	22.08	21.94			
20	16QAM	1	1	21.84	21.75	21.69	23.0	0.0	
20	64QAM	1	1	20.86	21.11	21.08	22.0	1.0	
20	256QAM	1	1	19.32	19.41	19.29	23.0	3.0	
Channel									
Frequency (MHz)				164300	166300	166300			
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0	
Channel									
Frequency (MHz)				163800	166300	166300			
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0	
Channel									
Frequency (MHz)				163300	166300	166300			
5	QPSK	1	1	21.95	22.00	21.91	23.0	0.0	

n30 DSI3_Standalone 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)						2310			
10	PI2 BPSK	1	1			19.50			
10	PI2 BPSK	1	26			19.71			
10	PI2 BPSK	1	50			19.83			
10	PI2 BPSK	25	0			19.56	20.9	0.0	
10	PI2 BPSK	25	14			19.73	20.9	0.0	
10	PI2 BPSK	25	27			19.88	20.9	0.0	
10	PI2 BPSK	50	0			19.64	20.9	0.0	
10	QPSK	1	1			19.88			
10	QPSK	1	26			19.79	20.9	0.0	
10	QPSK	1	50			19.87			
10	QPSK	25	0			19.64	20.9	0.0	
10	QPSK	25	14			19.73	20.9	0.0	
10	QPSK	25	27			19.88	20.9	0.0	
10	QPSK	50	0			19.63	20.9	0.0	
10	16QAM	1	1			19.69	20.9	0.0	
10	64QAM	1	1			19.84	20.9	0.0	
10	256QAM	1	1			16.72	20.0	0.0	
Channel									
Frequency (MHz)				441500	450000	450000			
Channel									
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	19.81	19.76	19.84	20.9	0.0	



n66 DSI3_ Standalone 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	346000	350000		
Frequency (MHz)				1725	1745	1760		
40	PI2 BPSK	1	1	21.87	21.73	21.61		
40	PI2 BPSK	1	108	21.49	21.61	21.55	22.8	0.0
40	PI2 BPSK	1	214	21.58	21.63	21.60		
40	PI2 BPSK	108	0	21.50	21.59	21.48	22.8	0.0
40	PI2 BPSK	108	54	21.68	21.70	21.66	22.8	0.0
40	PI2 BPSK	108	108	21.50	21.58	21.52	22.8	0.0
40	PI2 BPSK	216	0	21.59	21.64	21.52		
40	QPSK	1	1	21.87	21.79	21.74		
40	QPSK	1	108	21.62	21.72	21.63	22.8	0.0
40	QPSK	1	214	21.57	21.67	21.54		
40	QPSK	108	0	21.57	21.62	21.57	22.8	0.0
40	QPSK	108	54	21.62	21.74	21.60	22.8	0.0
40	QPSK	108	108	21.60	21.68	21.55	22.8	0.0
40	QPSK	216	0	21.67	21.71	21.64		
40	16QAM	1	1	21.52	21.63	21.52	22.8	0.0
40	64QAM	1	1	20.92	20.97	20.93	22.0	0.8
40	256QAM	1	1	19.62	19.77	19.65	20.0	2.3
Channel				345000	345000	350000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.64	21.70	21.60	22.8	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1725	1745	1775		
20	QPSK	1	1	21.58	21.67	21.63	22.8	0.0
Channel				343000	346000	345000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.60	21.73	21.62	22.8	0.0
Channel				342000	349000	355000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.52	21.71	21.68	22.8	0.0

n70 Default 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	346000	350000		
Frequency (MHz)				1725	1745	1760		
15	PI2 BPSK	1	1	21.80				
15	PI2 BPSK	1	40	21.87			23.0	0.0
15	PI2 BPSK	1	77	21.82				
15	PI2 BPSK	36	0	21.34			22.5	0.5
15	PI2 BPSK	36	22	21.86			23.0	0.0
15	PI2 BPSK	36	43	21.26			22.5	0.5
15	PI2 BPSK	75	0	21.32				
15	QPSK	1	1	21.95				
15	QPSK	1	40	21.93			23.0	0.0
15	QPSK	1	77	21.86				
15	QPSK	36	0	21.35			22.0	1.0
15	QPSK	36	22	21.88			23.0	0.0
15	QPSK	36	43	21.40			22.0	1.0
15	QPSK	75	0	21.32				
15	16QAM	1	1	21.34			22.0	1.0
15	64QAM	1	1	19.88			20.5	2.5
15	256QAM	1	1	17.62			18.5	4.5
Channel				340000	345000	341000		
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.84	21.92	21.81	23.0	0.0
Channel				339000	340000	341000		
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.81	21.88	21.83	23.0	0.0



n71 Default Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq. 134600	Middle Ch. Freq. 136100	High Ch. Freq. 137600		
Channel				675	680.5	685		
Frequency (MHz)								
20	PI2 BPSK	1	1	22.07	22.18	22.14		
20	PI2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI2 BPSK	1	104	21.91	22.08	21.99		
20	PI2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI2 BPSK	50	58	22.03	22.07	21.98		
20	PI2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.18	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	58	21.91	22.06	21.98		
20	QPSK	100	0	22.03	22.13	21.95	23.0	0.0
20	16QAM	1	1	21.98	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.98	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.43	19.42	20.0	3.0
Channel				134500	136100	137300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				684	680.5	689		
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	136100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				685.5	680.5	690.5		
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 DSI3_Standalone 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				516004	516000	516996		
Frequency (MHz)				2500.02	2595	2599.98		
40	PI2 BPSK	1	1	20.39	20.53	20.41		
40	PI2 BPSK	1	53	20.40	20.43	20.41	21.0	0.0
40	PI2 BPSK	1	104	20.25	20.42	20.27		
40	PI2 BPSK	50	0	20.31	20.49	20.38	21.0	0.0
40	PI2 BPSK	50	28	20.48	20.47	20.38	21.0	0.0
40	PI2 BPSK	50	56	20.23	20.39	20.29	21.0	0.0
40	PI2 BPSK	100	0	20.45	20.47	20.38		
40	QPSK	1	1	20.49	20.63	20.56		
40	QPSK	1	53	20.41	20.43	20.27	21.0	0.0
40	QPSK	1	104	20.30	20.42	20.28		
40	QPSK	50	0	20.36	20.48	20.43	21.0	0.0
40	QPSK	50	28	20.25	20.41	20.37	21.0	0.0
40	QPSK	50	56	20.20	20.36	20.20	21.0	0.0
40	QPSK	100	0	20.45	20.45	20.47		
40	16QAM	1	1	20.28	20.35	20.28	21.0	0.0
40	64QAM	1	1	20.15	20.30	20.16	21.0	0.0
40	256QAM	1	1	19.32	19.30	19.25	19.5	1.5
Channel				517002	516900	516900		
Frequency (MHz)				2585.01	2555	2504.99		
30	QPSK	1	1	20.45	20.60	20.53	21.0	0.0
Channel				516504	516000	521496		
Frequency (MHz)				2582.82	2555	2607.18		
25	QPSK	1	1	20.44	20.61	20.53	21.0	0.0
Channel				516000	516000	520000		
Frequency (MHz)				2550	2595	2610		
20	QPSK	1	1	20.40	20.57	20.49	21.0	0.0
Channel				515502	516000	522498		
Frequency (MHz)				2577.51	2555	2612.49		
15	QPSK	1	1	20.40	20.57	20.49	21.0	0.0
Channel				515004	516000	522996		
Frequency (MHz)				2575.02	2555	2614.98		
10	QPSK	1	1	20.44	20.57	20.53	21.0	0.0

n41 DSI3_Standalone 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				506002	518598	528000		
Frequency (MHz)				2540.01	2522.99	2540		
100	PI2 BPSK	1	1	19.90	19.96	19.79		
100	PI2 BPSK	1	137	19.93	20.01	19.89	21.0	0.0
100	PI2 BPSK	1	271	19.88	19.98	19.85		
100	PI2 BPSK	135	0	19.93	20.02	19.92	21.0	0.0
100	PI2 BPSK	135	69	19.98	20.01	19.85	21.0	0.0
100	PI2 BPSK	135	138	19.76	19.89	19.80	21.0	0.0
100	PI2 BPSK	270	0	19.84	19.89	19.79		
100	QPSK	1	1	19.90	20.00	19.94		
100	QPSK	1	137	19.86	19.95	19.88	21.0	0.0
100	QPSK	1	271	19.97	20.00	19.86		
100	QPSK	135	0	19.78	19.92	19.87	21.0	0.0
100	QPSK	135	69	19.91	19.99	19.83	21.0	0.0
100	QPSK	135	138	19.63	19.86	19.83	21.0	0.0
100	QPSK	270	0	19.87	20.03	19.96		
100	16QAM	1	1	19.75	19.90	19.79	21.0	0.0
100	64QAM	1	1	19.23	19.32	19.30	20.5	0.5
100	256QAM	1	1	17.60	17.63	17.62	18.5	2.5
Channel				505000	518598	529598		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.76	19.99	19.80	21.0	0.0
Channel				507004	518598	529598		
Frequency (MHz)				2638.02	2622.99	2648.99		
80	QPSK	1	1	19.80	19.93	19.87	21.0	0.0
Channel				506002	518598	531000		
Frequency (MHz)				2531.01	2592.99	2605		
70	QPSK	1	1	19.85	20.00	19.79	21.0	0.0
Channel				505000	518598	531996		
Frequency (MHz)				2526	2592.99	2609.98		
60	QPSK	1	1	19.85	19.91	19.91	21.0	0.0
Channel				504000	518598	532996		
Frequency (MHz)				2521.02	2592.99	2604.99		
50	QPSK	1	1	19.78	19.97	19.91	21.0	0.0
Channel				503002	518598	534000		
Frequency (MHz)				2516.01	2592.99	2600		
40	QPSK	1	1	19.85	19.98	19.85	21.0	0.0
Channel				502000	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.81	19.89	19.89	21.0	0.0
Channel				501004	518598	535996		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.81	20.03	19.88	21.0	0.0



n41 PC2 DS13_ Standalone Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				506202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.59	23.09	23.07	
100	PI/2 BPSK	1	137	22.86	22.97	22.85	24.0
100	PI/2 BPSK	1	271	22.99	23.06	22.92	
100	PI/2 BPSK	135	0	22.97	23.09	23.03	24.0
100	PI/2 BPSK	135	69	23.03	23.10	23.03	24.0
100	PI/2 BPSK	135	138	22.96	23.01	22.86	
100	PI/2 BPSK	270	0	22.96	22.99	22.97	24.0
100	QPSK	1	1	22.96	23.13	23.00	
100	QPSK	1	197	22.96	23.00	22.96	24.0
100	QPSK	1	211	23.00	23.08	22.96	
100	QPSK	135	0	22.84	22.98	22.84	24.0
100	QPSK	135	69	22.96	23.07	22.88	24.0
100	QPSK	135	138	22.96	23.05	22.91	
100	QPSK	270	0	22.90	23.02	22.93	24.0
100	16QAM	1	1	22.92	23.06	22.91	24.0
100	64QAM	1	1	22.73	22.86	22.75	24.0
100	256QAM	1	1	20.92	21.07	21.01	24.0
Channel				506203	518599	528000	
Frequency (MHz)				2641	2692.99	2644.98	
80	QPSK	1	1	22.91	23.10	22.89	24.0
Channel				507204	518598	528000	
Frequency (MHz)				2638.02	2692.99	2644.98	
80	QPSK	1	1	22.83	23.10	22.96	24.0
Channel				506202	518598	531000	
Frequency (MHz)				2546.01	2592.99	2655	
70	QPSK	1	1	22.59	22.99	22.59	24.0
Channel				505200	518598	531998	
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	22.93	23.06	22.93	24.0
Channel				505203	518599	532000	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	22.81	22.99	22.84	24.0
Channel				505202	518598	534000	
Frequency (MHz)				2518.01	2592.99	2670	
40	QPSK	1	1	22.95	23.03	22.94	24.0
Channel				502200	518598	534998	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	22.83	23.03	22.91	24.0
Channel				501203	518599	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	22.80	23.10	22.93	24.0

n48 Part96 Default Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				636000	641666	645332	
Frequency (MHz)				3070	3024.19	3079.98	
40	PI/2 BPSK	1	1	23.05	23.05	23.03	
40	PI/2 BPSK	1	53	23.03	23.02	23.05	24.0
40	PI/2 BPSK	1	104	23.49	23.52	23.45	
40	PI/2 BPSK	50	0	23.28	23.35	23.23	23.5
40	PI/2 BPSK	50	26	23.03	23.07	23.06	24.0
40	PI/2 BPSK	50	86	23.14	23.18	23.14	23.5
40	PI/2 BPSK	100	0	23.14	23.22	23.22	
40	QPSK	1	1	23.05	23.73	23.06	
40	QPSK	1	53	23.54	23.62	23.60	24.0
40	QPSK	1	104	23.41	23.62	23.51	
40	QPSK	50	0	22.65	22.82	22.64	23.0
40	QPSK	50	26	23.60	23.70	23.47	24.0
40	QPSK	50	56	22.57	22.89	22.84	23.0
40	QPSK	100	0	22.63	22.82	22.71	23.0
40	16QAM	1	1	22.58	22.87	22.58	23.0
40	64QAM	1	1	21.03	21.18	21.09	21.5
40	256QAM	1	1	19.17	19.36	19.26	19.5
Channel				#REF!	#REF!	#REF!	
Frequency (MHz)				#REF!	#REF!	#REF!	
30	QPSK	1	1	23.16	23.22	23.03	#REF!
Channel				#REF!	#REF!	#REF!	
Frequency (MHz)				#REF!	#REF!	#REF!	
20	QPSK	1	1	23.16	23.19	23.05	#REF!
Channel				#REF!	#REF!	#REF!	
Frequency (MHz)				#REF!	#REF!	#REF!	
10	QPSK	1	1	23.16	23.25	23.06	#REF!



Part270 n77 Ant 1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch., Power Middle Ch., Power High Ch., Tune-up limit (dBm), MPR (dB). Contains multiple rows for different modulation schemes like Pi/2 BPSK, QPSK, and 16QAM across various frequencies and power levels.

Part270 n77 PC2 Ant 1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch., Power Middle Ch., Power High Ch., Tune-up limit (dBm), MPR (dB). Contains multiple rows for different modulation schemes like Pi/2 BPSK, QPSK, and 16QAM across various frequencies and power levels.

Part270Q n77 Ant 1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch., Power Middle Ch., Power High Ch., Tune-up limit (dBm), MPR (dB). Contains multiple rows for different modulation schemes like Pi/2 BPSK, QPSK, and 16QAM across various frequencies and power levels.



Part27Q n77 PC2 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)									
100	PI2 BPSK	1	1	26.54	26.54	3000.01			
100	PI2 BPSK	1	137	26.32	26.32		27.0	0.0	
100	PI2 BPSK	1	271	26.51	26.51				
100	PI2 BPSK	135	0	26.34	26.34		27.0	0.0	
100	PI2 BPSK	135	69	26.44	26.44		27.0	0.0	
100	PI2 BPSK	135	138	26.18	26.18		27.0	0.0	
100	PI2 BPSK	270	0	26.27	26.27				
100	QPSK	1	1	26.60	26.60		27.0	0.0	
100	QPSK	1	137	26.36	26.36				
100	QPSK	1	271	26.39	26.39				
100	QPSK	135	0	25.88	25.88		26.5	0.5	
100	QPSK	135	69	26.42	26.42		27.0	0.0	
100	QPSK	135	138	25.90	25.90		26.5	0.5	
100	QPSK	270	0	26.15	26.15				
100	16QAM	1	1	26.02	26.02		26.5	0.5	
100	64QAM	1	1	24.61	24.61		25.0	2.0	
100	256QAM	1	1	22.42	22.42		23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	28.47	28.46	28.58	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	26.48	26.58	26.53	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	28.50	28.51	28.49	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	26.56	26.47	26.56	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	26.48	26.45	26.43	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	26.54	26.51	26.51	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	26.46	26.52	26.53	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	26.58	26.57	26.56	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	26.57	26.58	26.54	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.50	26.45	26.55	27.0	0.0	

Part27O n78 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)									
100	PI2 BPSK	1	1	22.80	22.80	3750			
100	PI2 BPSK	1	137	22.85	22.85		24.0	0.0	
100	PI2 BPSK	1	271	22.81	22.81				
100	PI2 BPSK	135	0	22.33	22.33		23.5	0.5	
100	PI2 BPSK	135	69	22.48	22.48		24.0	0.0	
100	PI2 BPSK	135	138	22.32	22.32		23.5	0.5	
100	PI2 BPSK	270	0	22.40	22.40				
100	QPSK	1	1	22.91	22.91		24.0	0.0	
100	QPSK	1	137	22.65	22.65				
100	QPSK	1	271	22.72	22.72				
100	QPSK	135	0	22.05	22.05		23.0	1.0	
100	QPSK	135	69	22.62	22.62		24.0	0.0	
100	QPSK	135	138	21.90	21.90		23.0	1.0	
100	QPSK	270	0	21.93	21.93				
100	16QAM	1	1	21.71	21.71		23.0	1.0	
100	64QAM	1	1	20.38	20.38		21.5	2.5	
100	256QAM	1	1	18.63	18.63		19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.77	22.87	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.88	22.85	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.83	22.80	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.87	22.76	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.77	22.77	22.87	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.84	22.80	22.77	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.86	22.78	22.75	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.80	22.84	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.77	22.79	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.80	22.75	22.84	24.0	0.0	



Part270 n78 PC2 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)										
100	PI2 BPSK	1	1	3750	3750	3750				
100	PI2 BPSK	1	137	25.90	25.74	25.74	27.0	0.0		
100	PI2 BPSK	1	271	25.70	25.79	25.79	27.0	0.0		
100	PI2 BPSK	135	0	25.87	25.87	25.87	27.0	0.0		
100	PI2 BPSK	135	69	25.75	25.75	25.75	27.0	0.0		
100	PI2 BPSK	135	138	25.78	25.78	25.78	27.0	0.0		
100	PI2 BPSK	270	0	25.78	25.78	25.78	27.0	0.0		
100	QPSK	1	1	25.94	25.94	25.94	27.0	0.0		
100	QPSK	1	137	25.86	25.86	25.86	27.0	0.0		
100	QPSK	1	271	25.89	25.89	25.89	27.0	0.0		
100	QPSK	135	0	25.64	25.64	25.64	26.5	0.5		
100	QPSK	135	69	25.88	25.88	25.88	27.0	0.0		
100	QPSK	135	138	25.40	25.40	25.40	26.5	0.5		
100	QPSK	270	0	25.47	25.47	25.47	26.5	0.5		
100	16QAM	1	1	25.40	25.40	25.40	26.5	0.5		
100	16QAM	1	1	23.91	23.91	23.91	25.0	2.0		
100	25QAM	1	1	22.07	22.07	22.07	23.0	4.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	64960	65000	65034	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	3742.91	3750	3757.02	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	25.91	25.90	25.91	27.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	648000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	3745	3750	3765	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	648688	650000	651334	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	3740.02	3750	3760.01	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	25.85	25.80	25.78	27.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	647000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	3729.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	25.77	25.78	25.84	27.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	646000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	25.80	25.80	25.79	27.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	647688	650000	652334	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	25.84	25.70	25.80	27.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	647168	650000	652668	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	25.86	25.89	25.78	27.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	647168	650000	653000	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	3707.92	3750	3792.91	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	25.77	25.91	25.88	27.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	3705	3750	3795	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	25.83	25.87	25.87	27.0	0.0		

Part27Q n78 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)										
100	PI2 BPSK	1	1	3000.01	3000.01	3000.01				
100	PI2 BPSK	1	137	23.30	23.29	23.29	24.0	0.0		
100	PI2 BPSK	1	271	23.48	23.48	23.48	24.0	0.0		
100	PI2 BPSK	135	0	23.09	23.09	23.09	23.5	0.5		
100	PI2 BPSK	135	69	23.33	23.33	23.33	24.0	0.0		
100	PI2 BPSK	135	138	22.99	22.99	22.99	23.5	0.5		
100	PI2 BPSK	270	0	23.12	23.12	23.12	24.0	0.0		
100	QPSK	1	1	23.41	23.41	23.41	24.0	0.0		
100	QPSK	1	137	23.19	23.19	23.19	24.0	0.0		
100	QPSK	1	271	23.35	23.35	23.35	24.0	0.0		
100	QPSK	135	0	22.71	22.71	22.71	23.0	1.0		
100	QPSK	135	69	23.40	23.40	23.40	24.0	0.0		
100	QPSK	135	138	22.61	22.61	22.61	23.0	1.0		
100	QPSK	270	0	22.60	22.60	22.60	23.0	1.0		
100	16QAM	1	1	22.37	22.37	22.37	21.5	2.5		
100	16QAM	1	1	21.28	21.28	21.28	19.5	4.5		
100	25QAM	1	1	19.31	19.31	19.31	17.5	6.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	3485	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	23.37	23.29	23.28	24.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	3480.02	3500.01	3510.01	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	23.28	23.34	23.28	24.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	632334	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	23.31	23.39	23.25	24.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	3480	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	23.32	23.34	23.39	24.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	23.38	23.33	23.32	24.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	3480.01	3500.01	3520.01	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	23.27	23.29	23.39	24.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	3485	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	23.25	23.34	23.24	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	3480.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	23.33	23.34	23.28	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	630500	633334	636168	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	3485.01	3500.01	3545.02	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	23.26	23.31	23.26	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	3485.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	23.25	23.25	23.25	24.0	0.0		

Part27Q n78 PC2 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)										
100	PI2 BPSK	1	1	3000.01	3000.01	3000.01				
100	PI2 BPSK	1	137	23.43	23.43	23.43	27.0	0.0		
100	PI2 BPSK	1	271	23.12	23.12	23.12	27.0	0.0		
100	PI2 BPSK	1	271	23.39	23.39	23.39	27.0	0.0		
100	PI2 BPSK	135	0	23.09	23.09	23.09	27.0	0.0		
100	PI2 BPSK	135	69	23.33	23.33	23.33	27.0	0.0		
100	PI2 BPSK	135	138	22.99	22.99	22.99	27.0	0.0		
100	PI2 BPSK	270	0	23.12	23.12	23.12	27.0	0.0		
100	QPSK	1	1	23.41	23.41	23.41	27.0	0.0		
100	QPSK	1	137	23.19	23.19	23.19	27.0	0.0		
100	QPSK	1	271	23.35	23.35	23.35	27.0	0.0		
100	QPSK	135	0	22.71	22.71	22.71	26.5	0.5		
100	QPSK	135	69	23.40	23.40	23.40	27.0	0.0		
100	QPSK	135	138	22.61	22.61	22.61	26.5	0.5		
100	QPSK	270	0	22.60	22.60	22.60	26.5	0.5		
100	16QAM	1	1	22.37	22.37	22.37	26.5	0.5		
100	16QAM	1	1	21.28	21.28	21.28	25.0	2.0		
100	25QAM	1	1	19.31	19.31	19.31	23.0	4.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	3485	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	23.37	23.29	23.28	24.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	3480.02	3500.01	3510.01	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	23.28	23.34	23.28	24.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	632334	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	23.47	23.47	23.37	27.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
60	QPS									



n2 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1660	1680	1690			
20	PI2 BPSK	1	1	21.50	21.62	21.58			
20	PI2 BPSK	1	53	21.45	21.58	21.44	23.0	0.0	
20	PI2 BPSK	1	104	21.46	21.50	21.35			
20	PI2 BPSK	50	0	21.40	21.44	21.31	23.0	0.0	
20	PI2 BPSK	50	28	21.42	21.54	21.42	23.0	0.0	
20	PI2 BPSK	50	56	21.44	21.49	21.44	23.0	0.0	
20	PI2 BPSK	100	0	21.46	21.51	21.39	23.0	0.0	
20	QPSK	1	1	21.54	21.66	21.57			
20	QPSK	1	53	21.61	21.64	21.54	23.0	0.0	
20	QPSK	1	104	21.68	21.55	21.43			
20	QPSK	50	0	21.50	21.59	21.46	23.0	0.0	
20	QPSK	50	28	21.51	21.61	21.49	23.0	0.0	
20	QPSK	50	56	21.39	21.52	21.49	23.0	0.0	
20	QPSK	100	0	21.46	21.55	21.44	23.0	0.0	
20	16QAM	1	1	21.33	21.46	21.32	23.0	0.0	
20	64QAM	1	1	20.63	20.70	20.57	22.0	1.0	
20	256QAM	1	1	18.54	18.01	18.48	23.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	21.49	21.61	21.51	23.0	0.0	
Channel									
Frequency (MHz)				37000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.40	21.60	21.53	23.0	0.0	
Channel									
Frequency (MHz)				370000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.43	21.58	21.54	23.0	0.0	

n5 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166800	167300	167800			
20	PI2 BPSK	1	1	22.58	22.62	22.53			
20	PI2 BPSK	1	53	22.42	22.53	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.44	22.50	22.38	24.0	0.0	
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.56	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0	
20	QPSK	100	0	22.47	22.56	22.51	24.0	0.0	
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.0	
20	256QAM	1	1	21.71	21.81	21.73	23.0	1.0	
Channel									
Frequency (MHz)				163300	163300	163300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel									
Frequency (MHz)				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel									
Frequency (MHz)				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 DSI3_Standalone Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				504000	507000	510000			
40	PI2 BPSK	1	1	16.46	16.58	16.46			
40	PI2 BPSK	1	108	16.48	16.54	16.43	17.6	0.0	
40	PI2 BPSK	1	214	16.46	16.51	16.43			
40	PI2 BPSK	108	0	16.39	16.47	16.39	17.6	0.0	
40	PI2 BPSK	108	54	16.41	16.55	16.48	17.6	0.0	
40	PI2 BPSK	108	108	16.55	16.58	16.56	17.6	0.0	
40	PI2 BPSK	216	0	16.48	16.54	16.40			
40	QPSK	1	1	16.58	16.63	16.49			
40	QPSK	1	108	16.42	16.56	16.41	17.6	0.0	
40	QPSK	1	214	16.50	16.54	16.48			
40	QPSK	108	0	16.49	16.59	16.43	17.6	0.0	
40	QPSK	108	54	16.53	16.61	16.48	17.6	0.0	
40	QPSK	108	108	16.33	16.47	16.38	17.6	0.0	
40	QPSK	216	0	16.55	16.57	16.54	17.6	0.0	
40	16QAM	1	1	16.49	16.57	16.54	17.6	0.0	
40	64QAM	1	1	16.34	16.50	16.42	17.6	0.0	
40	256QAM	1	1	16.34	16.44	16.31	17.6	0.0	
Channel									
Frequency (MHz)				520000	520000	520000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.44	16.57	16.37	17.6	0.0	
Channel									
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	16.43	16.47	16.46	17.6	0.0	
Channel									
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	16.54	16.54	16.55	17.6	0.0	
Channel									
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.48	16.50	16.43	17.6	0.0	
Channel									
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.43	16.49	16.43	17.6	0.0	
Channel									
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	16.47	16.50	16.37	17.6	0.0	



n25 Default Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	21.44	21.53	21.44	0.0
40	PI2 BPSK	1	108	21.32	21.41	21.36	23.0
40	PI2 BPSK	1	214	21.32	21.43	21.34	0.0
40	PI2 BPSK	108	0	21.42	21.52	21.45	23.0
40	PI2 BPSK	108	54	21.39	21.46	21.43	23.0
40	PI2 BPSK	108	108	21.36	21.45	21.39	0.0
40	PI2 BPSK	216	0	21.33	21.41	21.28	23.0
40	QPSK	1	1	21.82	21.86	21.57	0.0
40	QPSK	1	108	21.43	21.54	21.49	23.0
40	QPSK	1	214	21.41	21.49	21.40	0.0
40	QPSK	108	0	21.48	21.55	21.47	23.0
40	QPSK	108	54	21.53	21.58	21.48	23.0
40	QPSK	108	108	21.38	21.48	21.39	0.0
40	QPSK	216	0	21.47	21.51	21.43	23.0
40	16QAM	1	1	20.23	21.32	21.18	23.0
40	16QAM	1	1	20.43	20.47	20.35	22.0
40	25QAM	1	1	18.86	18.67	18.60	20.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	18.85	18.82	19.00	0.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	21.55	21.61	21.47	23.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	21.53	21.58	21.44	23.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	21.52	21.62	21.49	23.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	21.55	21.57	21.53	23.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	21.48	21.58	21.52	23.0

n30 DSI3_Standalone Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1	18.44			0.0
10	PI2 BPSK	1	26	18.36			17.4
10	PI2 BPSK	1	50	18.45			0.0
10	PI2 BPSK	25	0	18.38			17.4
10	PI2 BPSK	25	14	18.41			17.4
10	PI2 BPSK	25	27	18.33			0.0
10	PI2 BPSK	50	0	18.41			17.4
10	QPSK	1	1	18.48			0.0
10	QPSK	1	26	18.39			17.4
10	QPSK	1	50	18.35			0.0
10	QPSK	25	0	18.36			17.4
10	QPSK	25	14	18.41			17.4
10	QPSK	25	27	18.23			17.4
10	QPSK	50	0	18.43			17.4
10	16QAM	1	1	18.38			17.4
10	16QAM	1	1	18.41			17.4
10	25QAM	1	1	18.42			17.4
Channel							
Frequency (MHz)							
5	QPSK	1	1	18.29	18.42	18.30	17.4

n66 Default Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	22.01	22.11	22.07	0.0
40	PI2 BPSK	1	108	21.97	22.07	21.94	23.0
40	PI2 BPSK	1	214	21.90	21.98	21.82	0.0
40	PI2 BPSK	108	0	21.77	21.90	21.86	23.0
40	PI2 BPSK	108	54	21.84	21.85	22.01	23.0
40	PI2 BPSK	108	108	21.85	21.89	21.82	0.0
40	PI2 BPSK	216	0	21.84	21.95	21.83	23.0
40	QPSK	1	1	22.06	22.18	22.01	0.0
40	QPSK	1	108	22.05	22.12	22.05	23.0
40	QPSK	1	214	22.02	22.07	22.00	0.0
40	QPSK	108	0	21.81	21.93	21.83	23.0
40	QPSK	108	54	21.95	21.99	21.86	23.0
40	QPSK	108	108	21.87	21.93	21.80	23.0
40	QPSK	216	0	21.92	21.98	21.82	0.0
40	16QAM	1	1	21.88	21.91	21.78	23.0
40	16QAM	1	1	20.61	20.73	20.66	22.0
40	25QAM	1	1	19.34	19.42	19.38	20.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	17.25	17.45	17.65	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	21.99	22.10	21.90	23.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.00	22.06	21.89	23.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	21.90	22.07	21.88	23.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.01	22.04	21.91	23.0



n70 Default Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel					1702.5			
Frequency (MHz)					1702.5			
15	PI2 BPSK	1	1	22.08			23.0	0.0
15	PI2 BPSK	1	49	21.95				
15	PI2 BPSK	1	77	21.40				
15	PI2 BPSK	36	0	22.03			22.5	0.5
15	PI2 BPSK	36	22	22.06			23.0	0.0
15	PI2 BPSK	36	43	21.38				
15	PI2 BPSK	75	0	21.45			22.5	0.5
15	QPSK	1	1	22.11				
15	QPSK	1	49	22.05			23.0	0.0
15	QPSK	1	77	22.07				
15	QPSK	36	0	21.06			22.0	1.0
15	QPSK	36	22	22.07			23.0	0.0
15	QPSK	36	43	20.56			22.0	1.0
15	QPSK	72	0	21.14				
15	16QAM	1	1	21.18			22.0	1.0
15	64QAM	1	1	19.78			20.5	2.5
15	256QAM	1	1	17.67			18.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.98	22.04	21.97	23.0	0.0
Channel				339500	340000	340500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.97	22.03	22.01	23.0	0.0



n38 DS13_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				516004	519000	519996		
Frequency (MHz)				2500.02	2295	2099.98		
40	PI2 BPSK	1	1	15.77	15.91	15.84		0.0
40	PI2 BPSK	1	33	15.92	15.91	15.84	16.9	0.0
40	PI2 BPSK	1	104	15.95	15.94	15.90		
40	PI2 BPSK	80	0	15.87	15.91	15.83	16.9	0.0
40	PI2 BPSK	50	28	15.74	15.92	15.81	16.9	0.0
40	PI2 BPSK	50	56	15.90	15.98	15.84		
40	PI2 BPSK	100	0	16.00	16.00	15.84	16.9	0.0
40	QPSK	1	1	15.93	16.10	15.89		
40	QPSK	1	33	15.83	15.99	15.87	16.9	0.0
40	QPSK	1	104	15.87	15.89	15.75		
40	QPSK	50	0	15.72	15.88	15.84	16.9	0.0
40	QPSK	50	28	15.83	15.98	15.90	16.9	0.0
40	QPSK	90	56	15.80	15.89	15.76	16.9	0.0
40	QPSK	100	0	15.84	15.95	15.86		
40	16QAM	1	1	15.84	16.01	15.92	16.9	0.0
40	64QAM	1	1	15.82	15.92	15.83	16.9	0.0
40	256QAM	1	1	15.76	15.82	15.69	16.9	0.0
Channel				517002	519000	520998		
Frequency (MHz)				2985.01	2955	2804.99		
30	QPSK	1	1	15.91	16.09	15.88	16.9	0.0
Channel				516004	519000	521496		
Frequency (MHz)				2982.83	2955	2807.83		
25	QPSK	1	1	15.91	16.03	15.85	16.9	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2980	2955	2810		
20	QPSK	1	1	15.89	16.04	15.87	16.9	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2977.51	2955	2812.49		
15	QPSK	1	1	15.92	16.02	15.81	16.9	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2975.02	2955	2814.98		
10	QPSK	1	1	15.88	16.05	15.82	16.9	0.0

n41 DS13_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518998	528990		
Frequency (MHz)				2540.01	2592.99	2540		
100	PI2 BPSK	1	1	15.95	16.04	15.90		
100	PI2 BPSK	1	137	15.96	16.00	15.98	16.9	0.0
100	PI2 BPSK	1	271	16.00	16.08	15.99		
100	PI2 BPSK	135	0	15.85	15.93	15.87	16.9	0.0
100	PI2 BPSK	135	69	15.92	16.01	15.87	16.9	0.0
100	PI2 BPSK	135	138	15.88	15.97	15.90		
100	PI2 BPSK	270	0	15.86	15.99	15.91	16.9	0.0
100	QPSK	1	1	16.08	16.11	16.03		
100	QPSK	1	137	15.98	16.05	15.91	16.9	0.0
100	QPSK	1	271	16.01	16.07	16.01		
100	QPSK	135	0	15.82	15.90	15.86	16.9	0.0
100	QPSK	135	69	16.03	16.06	15.94	16.9	0.0
100	QPSK	135	138	15.88	15.98	15.96		
100	QPSK	270	0	15.82	15.97	15.82	16.9	0.0
100	16QAM	1	1	15.91	16.04	15.90	16.9	0.0
100	64QAM	1	1	15.81	15.98	15.93	16.9	0.0
100	256QAM	1	1	15.72	15.85	15.81	16.9	0.0
Channel				507000	518998	529996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.95	15.99	15.91	16.9	0.0
Channel				507204	518998	529998		
Frequency (MHz)				2638.02	2622.99	2648.99		
80	QPSK	1	1	16.00	16.04	16.00	16.9	0.0
Channel				506002	518998	531000		
Frequency (MHz)				2631.01	2622.99	2665		
70	QPSK	1	1	16.05	16.01	15.90	16.9	0.0
Channel				505000	518998	531996		
Frequency (MHz)				2626	2622.99	2669.98		
60	QPSK	1	1	16.01	15.95	15.93	16.9	0.0
Channel				505204	518998	532998		
Frequency (MHz)				2621.02	2622.99	2664.99		
50	QPSK	1	1	16.00	16.02	15.89	16.9	0.0
Channel				503002	518998	534000		
Frequency (MHz)				2616.01	2622.99	2690		
40	QPSK	1	1	16.02	15.97	15.92	16.9	0.0
Channel				502000	518998	534996		
Frequency (MHz)				2511	2622.99	2674.98		
30	QPSK	1	1	15.89	15.89	16.00	16.9	0.0
Channel				501204	518998	535998		
Frequency (MHz)				2606.02	2622.99	2678.99		
20	QPSK	1	1	15.91	16.00	15.98	16.9	0.0



n41 PC2 DSI3_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	516598	526994			
Frequency (MHz)				2546.01	2592.98	2640			
100	P1/2 BPSK	1	1	18.62	18.77	18.74			
100	P1/2 BPSK	1	137	18.77	18.80	18.84	19.9	0.0	
100	P1/2 BPSK	1	271	18.87	18.82	18.73			
100	P1/2 BPSK	135	0	18.73	18.79	18.74	19.9	0.0	
100	P1/2 BPSK	135	69	18.87	18.78	18.84	19.9	0.0	
100	P1/2 BPSK	135	138	18.78	18.81	18.72			
100	P1/2 BPSK	270	0	18.69	18.82	18.71	19.9	0.0	
100	QPSK	1	1	18.76	18.91	18.84			
100	QPSK	1	137	18.74	18.77	18.85	19.9	0.0	
100	QPSK	1	271	18.80	18.87	18.73			
100	QPSK	135	0	18.59	18.76	18.61	19.9	0.0	
100	QPSK	135	69	18.85	18.89	18.87	19.9	0.0	
100	QPSK	135	138	18.73	18.77	18.85	19.9	0.0	
100	QPSK	270	0	18.82	18.94	18.72			
100	16QAM	1	1	18.65	18.78	18.65	19.9	0.0	
100	64QAM	1	1	18.66	18.82	18.69	19.9	0.0	
100	256QAM	1	1	18.68	18.70	18.66	19.9	0.0	
Channel				506203	516599	526995	Tune-up limit	MPR	
Frequency (MHz)				2641	2592.99	2644.98			
90	QPSK	1	1	18.68	18.86	18.82	19.9	0.0	
Channel				507204	516598	526998	Tune-up limit	MPR	
Frequency (MHz)				2628.02	2592.99	2640.98			
80	QPSK	1	1	18.71	18.89	18.71	19.9	0.0	
Channel				506202	516598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	18.68	18.82	18.81	19.9	0.0	
Channel				505200	516598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.73	18.82	18.82	19.9	0.0	
Channel				505203	516599	532999	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	18.84	18.89	18.76	19.9	0.0	
Channel				505202	516598	534000	Tune-up limit	MPR	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	18.69	18.84	18.71	19.9	0.0	
Channel				502200	516598	534999	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.68	18.77	18.77	19.9	0.0	
Channel				501203	516599	535999	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	18.62	18.76	18.71	19.9	0.0	

n48 Part96 DSI3_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	P1/2 BPSK	1	1	19.24	19.44	19.33			
40	P1/2 BPSK	1	53	19.31	19.40	19.30	20.8	0.0	
40	P1/2 BPSK	1	104	19.23	19.36	19.24			
40	P1/2 BPSK	50	0	19.15	19.34	19.28	20.8	0.0	
40	P1/2 BPSK	50	26	19.31	19.41	19.32	20.8	0.0	
40	P1/2 BPSK	50	56	19.35	19.50	19.32	20.8	0.0	
40	P1/2 BPSK	100	0	19.28	19.43	19.36			
40	QPSK	1	1	19.44	19.56	19.45			
40	QPSK	1	53	19.46	19.44	19.30	20.8	0.0	
40	QPSK	1	104	19.41	19.45	19.33			
40	QPSK	50	0	19.37	19.36	19.33	20.8	0.0	
40	QPSK	50	26	19.33	19.51	19.40	20.8	0.0	
40	QPSK	50	56	19.33	19.43	19.30	20.8	0.0	
40	QPSK	100	0	19.34	19.32	19.29			
40	16QAM	1	1	19.34	19.46	19.40	20.8	0.0	
40	64QAM	1	1	19.38	19.39	19.22	20.8	0.0	
40	256QAM	1	1	19.18	19.24	19.20	19.8	1.3	
Channel				637000	641666	645999	Tune-up limit	MPR	
Frequency (MHz)				3585.02	3624.99	3684.98			
30	QPSK	1	1	19.40	19.53	19.39	20.8	0.0	
Channel				637334	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3580.03	3624.99	3690			
20	QPSK	1	1	19.34	19.50	19.39	20.8	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3585	3624.99	3684.98			
10	QPSK	1	1	19.39	19.53	19.38	20.8	0.0	



Part270 n77 DS13_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	18.07	19.18	19.13			
100	PI2 BPSK	1	137	18.90	19.05	18.96	20.6	0.0	
100	PI2 BPSK	1	271	18.94	19.05	18.97			
100	PI2 BPSK	135	0	19.16	19.20	19.17	20.6	0.0	
100	PI2 BPSK	135	69	18.13	19.17	18.12	20.6	0.0	
100	PI2 BPSK	135	138	18.93	19.06	18.99	20.6	0.0	
100	PI2 BPSK	270	0	18.97	19.11	19.09	20.6	0.0	
100	QPSK	1	1	19.07	19.22	19.17			
100	QPSK	1	137	18.94	19.10	18.96	20.6	0.0	
100	QPSK	1	271	19.08	19.11	18.95			
100	QPSK	135	0	18.93	19.06	18.99	20.6	0.0	
100	QPSK	135	69	18.96	19.13	19.04	20.6	0.0	
100	QPSK	135	138	18.98	19.12	18.96	20.6	0.0	
100	QPSK	270	0	19.10	19.12	19.04	20.6	0.0	
100	16QAM	1	1	18.97	19.12	18.99	20.6	0.0	
100	64QAM	1	1	18.99	19.05	19.01	20.6	0.0	
100	256QAM	1	1	19.02	19.07	19.02	19.8	1.1	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.89	18.99	19.05	20.6	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.89	18.97	19.02	20.6	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.89	18.95	19.03	20.6	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.92	18.99	19.04	20.6	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.88	18.98	19.01	20.6	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.87	18.97	19.06	20.6	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.90	18.92	19.02	20.6	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.88	18.98	19.06	20.6	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.90	19.00	19.03	20.6	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.97	19.09	19.05	20.6	0.0	

Part270 n77 PC2 DS13_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.15	22.22	22.08			
100	PI2 BPSK	1	137	22.06	22.18	22.16	23.6	0.0	
100	PI2 BPSK	1	271	22.18	22.23	22.15			
100	PI2 BPSK	135	0	22.02	22.17	22.08	23.6	0.0	
100	PI2 BPSK	135	69	22.05	22.19	22.10	23.6	0.0	
100	PI2 BPSK	135	138	22.17	22.26	22.20	23.6	0.0	
100	PI2 BPSK	270	0	22.08	22.14	22.06	23.6	0.0	
100	QPSK	1	1	22.16	22.31	22.21			
100	QPSK	1	137	22.14	22.25	22.11	23.6	0.0	
100	QPSK	1	271	21.98	22.14	22.00			
100	QPSK	135	0	22.11	22.15	22.05	23.6	0.0	
100	QPSK	135	69	22.15	22.25	22.13	23.6	0.0	
100	QPSK	135	138	22.06	22.12	22.04	23.6	0.0	
100	QPSK	270	0	22.05	22.20	22.17	23.6	0.0	
100	16QAM	1	1	22.09	22.17	22.03	23.6	0.0	
100	64QAM	1	1	22.04	22.09	21.99	23.6	0.0	
100	256QAM	1	1	22.01	22.06	21.98	23.0	0.8	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.09	22.28	22.13	23.6	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.10	22.28	22.16	23.6	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.11	22.23	22.11	23.6	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.07	22.25	22.18	23.6	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.09	22.21	22.13	23.6	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.12	22.25	22.15	23.6	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.13	22.28	22.18	23.6	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.13	22.24	22.15	23.6	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.12	22.28	22.19	23.6	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.12	22.27	22.16	23.6	0.0	

Part27Q n77 DS13_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		350.01				
100	PI2 BPSK	1	137		19.47				
100	PI2 BPSK	1	271		19.44				
100	PI2 BPSK	135	0		19.39		20.6	0.0	
100	PI2 BPSK	135	69		19.39		20.6	0.0	
100	PI2 BPSK	135	138		19.35		20.6	0.0	
100	PI2 BPSK	270	0		19.49		20.6	0.0	
100	QPSK	1	1		19.51				
100	QPSK	1	137		19.45		20.6	0.0	
100	QPSK	1	271		19.44				
100	QPSK	135	0		19.40		20.6	0.0	
100	QPSK	135	69		19.49		20.6	0.0	
100	QPSK	135	138		19.37		20.6	0.0	
100	QPSK	270	0		19.48		20.6	0.0	
100	16QAM	1	1		19.40		20.6	0.0	
100	64QAM	1	1		19.33		20.6	0.0	
100	256QAM	1	1		19.26		19.8	1.1	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633968	633968	20.6	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63495	635011	635012	20.6	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63498	633334	634000	20.6	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63498	633334	634968	20.6	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63498	633334	634968	20.6	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63498	633334	634968	20.6	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63498	633334	634968	20.6	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63498	633334	634968	20.6	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63498	633334	634968	20.6	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63498	633334	634968	20.6	0.0	



Part27Q n77 PC2 DSI3_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		22.28			
100	PI2 BPSK	1	271		22.41		23.6	0.0
100	PI2 BPSK	135	0		22.35			
100	PI2 BPSK	135	69		22.26		23.6	0.0
100	PI2 BPSK	135	138		22.29		23.6	0.0
100	PI2 BPSK	270	0		22.35		23.6	0.0
100	PI2 BPSK	270	0		22.26			
100	QPSK	1	1		22.42			
100	QPSK	1	137		22.46		23.6	0.0
100	QPSK	1	271		22.33			
100	QPSK	135	0		22.30		23.6	0.0
100	QPSK	135	69		22.36		23.6	0.0
100	QPSK	135	138		22.28		23.6	0.0
100	QPSK	270	0		22.40			
100	16QAM	1	1		22.27		23.8	0.0
100	64QAM	1	1		22.27		23.8	0.0
100	256QAM	1	1		22.21		23.0	0.6
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
80	QPSK	1	1	22.18	22.24	22.24	23.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	63688	63334	63400	Tune-up limit (dBm)	MPR (dB)
				3498.02	3503.03	3510		
80	QPSK	1	1	22.20	22.27	22.20	23.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.24	22.29	22.24	23.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	22.22	22.30	22.21	23.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	22.24	22.28	22.23	23.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.22	22.29	22.22	23.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	22.21	22.31	22.23	23.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	22.26	22.23	22.21	23.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63030	63334	63638	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.5		
15	QPSK	1	1	22.21	22.28	22.19	23.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	22.25	22.24	22.22	23.6	0.0



Part270 n78 DS13_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	18.67				
100	PI2 BPSK	1	137	18.67			20.6	0.0
100	PI2 BPSK	1	271	18.69				
100	PI2 BPSK	135	0	18.72			20.6	0.0
100	PI2 BPSK	135	69	18.66			20.6	0.0
100	PI2 BPSK	135	138	18.66			20.6	0.0
100	PI2 BPSK	270	0	18.70			20.6	0.0
100	QPSK	1	1	18.75				
100	QPSK	1	137	18.64			20.6	0.0
100	QPSK	1	271	18.64				
100	QPSK	135	0	18.62			20.6	0.0
100	QPSK	135	69	18.68			20.6	0.0
100	QPSK	135	138	18.66			20.6	0.0
100	QPSK	270	0	18.65			20.6	0.0
100	16QAM	1	1	18.61			20.6	0.0
100	64QAM	1	1	18.64			20.6	0.0
100	256QAM	1	1	18.51			18.5	1.1
Channel								
Frequency (MHz)				64988	65000	65034	Tune-up limit	MPR
90	QPSK	1	1	3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	18.71	18.64	18.65	20.6	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit	MPR
80	QPSK	1	1	3749.01	3750	3750.02	(dBm)	(dB)
80	QPSK	1	1	18.73	18.64	18.65	20.6	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR
70	QPSK	1	1	3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	18.59	18.62	18.62	20.6	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR
60	QPSK	1	1	3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	18.72	18.64	18.61	20.6	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	18.71	18.64	18.68	20.6	0.0
Channel								
Frequency (MHz)				64800	65000	65200	Tune-up limit	MPR
40	QPSK	1	1	3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	18.71	18.64	18.62	20.6	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR
30	QPSK	1	1	3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	18.59	18.65	18.68	20.6	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit	MPR
20	QPSK	1	1	3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	18.65	18.67	18.65	20.6	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR
15	QPSK	1	1	3705	3750	3795	(dBm)	(dB)
15	QPSK	1	1	18.68	18.61	18.66	20.6	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR
10	QPSK	1	1	3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	18.65	18.65	18.62	20.6	0.0

Part270 n78 PC2 DS13_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	21.61				
100	PI2 BPSK	1	137	21.68			23.6	0.0
100	PI2 BPSK	1	271	21.63				
100	PI2 BPSK	135	0	21.67			23.6	0.0
100	PI2 BPSK	135	69	21.69			23.6	0.0
100	PI2 BPSK	135	138	21.64			23.6	0.0
100	PI2 BPSK	270	0	21.73			23.6	0.0
100	QPSK	1	1	21.77				
100	QPSK	1	137	21.69			23.6	0.0
100	QPSK	1	271	21.69				
100	QPSK	135	0	21.68			23.6	0.0
100	QPSK	135	69	21.70			23.6	0.0
100	QPSK	135	138	21.67			23.6	0.0
100	QPSK	270	0	21.64			23.6	0.0
100	16QAM	1	1	21.70			23.6	0.0
100	64QAM	1	1	21.69			23.6	0.0
100	256QAM	1	1	21.68			23.0	0.8
Channel								
Frequency (MHz)				64988	65000	65034	Tune-up limit	MPR
90	QPSK	1	1	3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	21.67	21.68	21.61	23.6	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit	MPR
80	QPSK	1	1	3749.01	3750	3750.02	(dBm)	(dB)
80	QPSK	1	1	21.66	21.66	21.67	23.6	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR
70	QPSK	1	1	3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	21.66	21.65	21.65	23.6	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR
60	QPSK	1	1	3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	21.67	21.62	21.64	23.6	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	21.67	21.63	21.62	23.6	0.0
Channel								
Frequency (MHz)				64800	65000	65200	Tune-up limit	MPR
40	QPSK	1	1	3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	21.70	21.63	21.62	23.6	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR
30	QPSK	1	1	3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	21.70	21.68	21.62	23.6	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit	MPR
20	QPSK	1	1	3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	21.72	21.67	21.67	23.6	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR
15	QPSK	1	1	3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	21.70	21.66	21.61	23.6	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR
10	QPSK	1	1	3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	21.71	21.63	21.64	23.6	0.0

Part27Q n78 DS13_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	18.69				
100	PI2 BPSK	1	137	18.71			20.6	0.0
100	PI2 BPSK	1	271	18.67				
100	PI2 BPSK	135	0	18.66			20.6	0.0
100	PI2 BPSK	135	69	18.64			20.6	0.0
100	PI2 BPSK	135	138	18.69			20.6	0.0
100	PI2 BPSK	270	0	18.63			20.6	0.0
100	QPSK	1	1	18.75				
100	QPSK	1	137	18.69			20.6	0.0
100	QPSK	1	271	18.62				
100	QPSK	135	0	18.63			20.6	0.0
100	QPSK	135	69	18.70			20.6	0.0
100	QPSK	135	138	18.64			20.6	0.0
100	QPSK	270	0	18.62			20.6	0.0
100	16QAM	1	1	18.61			20.6	0.0
100	64QAM	1	1	18.63			20.6	0.0
100	256QAM	1	1	18.58			18.5	1.1
Channel								
Frequency (MHz)				63300	63368	63398	Tune-up limit	MPR
90	QPSK	1	1	3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	18.67	18.64	18.64	20.6	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit	MPR
80	QPSK	1	1	3495.02	3500.01	3505	(dBm)	(dB)
80	QPSK	1	1	18.63	18.64	18.64	20.6	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit	MPR
70	QPSK	1	1	3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	18.63	18.65	18.67	20.6	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit	MPR
60	QPSK	1	1	3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	18.66	18.65	18.66	20.6	0.0
Channel								
Frequency (MHz)				63165	63334	63500	Tune-up limit	MPR
50	QPSK	1	1	3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	18.65	18.64	18.69	20.6	0.0
Channel								
Frequency (MHz)				63134	63334	63534	Tune-up limit	MPR
40	QPSK	1	1	3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	18.64	18.69	18.65	20.6	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit	MPR
30	QPSK	1	1	3465.01	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	18.62	18.65	18.70	20.6	0.0
Channel								
Frequency (MHz)				63068	63334	63600	Tune-up limit	MPR
20	QPSK	1	1	3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	18.67	18.66	18.66	20.6	0.0
Channel								
Frequency (MHz)				63030	63334	63638	Tune-up limit	MPR
15	QPSK	1	1	3455.01	3500.01	3545.01	(dBm)	(dB)
15	QPSK	1	1	18.65	18.64	1		



Part27Q n78 PC2 DSI3_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		21.73		23.6	0.0
100	PI2 BPSK	1	271		21.71			
100	PI2 BPSK	135	0		21.67		23.6	0.0
100	PI2 BPSK	135	69		21.76		23.6	0.0
100	PI2 BPSK	135	138		21.70		23.6	0.0
100	PI2 BPSK	270	0		21.69			
100	QPSK	1	1		21.84			
100	QPSK	1	137		21.75		23.6	0.0
100	QPSK	1	271		21.74			
100	QPSK	135	0		21.69		23.6	0.0
100	QPSK	135	69		21.80		23.6	0.0
100	QPSK	135	138		21.73		23.6	0.0
100	QPSK	270	0		21.81			
100	16QAM	1	1		21.71		23.8	0.0
100	64QAM	1	1		21.63		23.6	0.0
100	256QAM	1	1		21.60		23.0	0.6
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
80	QPSK	1	1	21.74	21.77	21.80	23.6	0.0
Channel								
Frequency (MHz)								
				63688	63334	634000	Tune-up limit (dBm)	MPR (dB)
				3499.02	3500.01	3501		
80	QPSK	1	1	21.78	21.81	21.82	23.6	0.0
Channel								
Frequency (MHz)								
				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.74	21.78	21.82	23.6	0.0
Channel								
Frequency (MHz)								
				632000	63334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	21.75	21.80	21.79	23.6	0.0
Channel								
Frequency (MHz)								
				63186	63334	633500	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	21.77	21.80	21.80	23.6	0.0
Channel								
Frequency (MHz)								
				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
				3478.01	3500.01	3520.01		
40	QPSK	1	1	21.78	21.81	21.78	23.6	0.0
Channel								
Frequency (MHz)								
				631000	63334	63668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	21.77	21.82	21.80	23.6	0.0
Channel								
Frequency (MHz)								
				63068	63334	635500	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	21.77	21.83	21.82	23.6	0.0
Channel								
Frequency (MHz)								
				63030	63334	638168	Tune-up limit (dBm)	MPR (dB)
				3451.5	3500.01	3542.50		
15	QPSK	1	1	21.77	21.82	21.82	23.8	0.0
Channel								
Frequency (MHz)								
				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3543.01		
10	QPSK	1	1	21.73	21.80	21.81	23.6	0.0



n2 DSI3_Standalone Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1600	1680	1800			
20	PI2 BPSK	1	1	21.51	21.62	21.48			
20	PI2 BPSK	1	53	21.45	21.58	21.49	22.8	0.0	
20	PI2 BPSK	1	104	21.49	21.55	21.45			
20	PI2 BPSK	50	0	21.36	21.51	21.41	22.8	0.0	
20	PI2 BPSK	50	28	21.43	21.56	21.56	22.8	0.0	
20	PI2 BPSK	50	56	21.44	21.53	21.42	22.8	0.0	
20	PI2 BPSK	100	0	21.53	21.59	21.48			
20	QPSK	1	1	21.56	21.70	21.67			
20	QPSK	1	53	21.49	21.56	21.51	22.8	0.0	
20	QPSK	1	104	21.45	21.51	21.46			
20	QPSK	50	0	21.52	21.56	21.53	22.8	0.0	
20	QPSK	50	28	21.42	21.52	21.42	22.8	0.0	
20	QPSK	50	56	21.43	21.53	21.36	22.8	0.0	
20	QPSK	100	0	21.41	21.52	21.44			
20	16QAM	1	1	21.82	21.68	21.62	22.8	0.0	
20	64QAM	1	1	21.24	21.46	21.31	22.8	0.0	
20	256QAM	1	1	19.94	20.12	20.08	21.0	1.8	
Channel									
Frequency (MHz)				1807.5	1880	1900			
15	QPSK	1	1	21.48	21.63	21.61	22.8	0.0	
Channel									
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.41	21.58	21.57	22.8	0.0	
Channel									
Frequency (MHz)				370000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.47	21.67	21.57	22.8	0.0	

n7 DSI3_Standalone Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				504000	507000	510000			
40	PI2 BPSK	1	1	22.45	22.48	22.46			
40	PI2 BPSK	1	108	22.19	22.32	22.16	23.5	0.0	
40	PI2 BPSK	1	214	22.39	22.41	22.32			
40	PI2 BPSK	108	0	22.18	22.33	22.22	23.5	0.0	
40	PI2 BPSK	108	54	22.36	22.44	22.33	23.5	0.0	
40	PI2 BPSK	108	108	22.26	22.36	22.20	23.5	0.0	
40	PI2 BPSK	216	0	22.24	22.28	22.11			
40	QPSK	1	1	22.39	22.52	22.47			
40	QPSK	1	108	22.30	22.36	22.21	23.5	0.0	
40	QPSK	1	214	22.30	22.39	22.26			
40	QPSK	108	0	22.25	22.31	22.26	23.5	0.0	
40	QPSK	108	54	22.37	22.46	22.32	23.5	0.0	
40	QPSK	108	108	22.19	22.35	22.21	23.5	0.0	
40	QPSK	216	0	22.26	22.37	22.27			
40	16QAM	1	1	22.16	22.24	22.17	23.5	0.0	
40	64QAM	1	1	22.36	22.47	22.41	23.0	0.5	
40	256QAM	1	1	20.02	20.09	20.06	21.0	2.5	
Channel									
Frequency (MHz)				2915	2935	2955			
30	QPSK	1	1	22.33	22.41	22.40	23.5	0.0	
Channel									
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	22.36	22.41	22.35	23.5	0.0	
Channel									
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	22.33	22.35	22.31	23.5	0.0	
Channel									
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.23	22.43	22.31	23.5	0.0	
Channel									
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.23	22.36	22.32	23.5	0.0	
Channel									
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.29	22.45	22.43	23.5	0.0	

n25 DSI3_Standalone Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1822.5	1895			
40	PI2 BPSK	1	1	21.63	21.71	21.61			
40	PI2 BPSK	1	108	21.54	21.50	21.34	22.8	0.0	
40	PI2 BPSK	1	214	21.46	21.47	21.34			
40	PI2 BPSK	108	0	21.33	21.50	21.47	22.8	0.0	
40	PI2 BPSK	108	54	21.42	21.54	21.48	22.8	0.0	
40	PI2 BPSK	108	108	21.46	21.44	21.44	22.8	0.0	
40	PI2 BPSK	216	0	21.45	21.60	21.47			
40	QPSK	1	1	21.71	21.72	21.59			
40	QPSK	1	108	21.29	21.42	21.47	22.8	0.0	
40	QPSK	1	214	21.20	21.42	21.45			
40	QPSK	108	0	21.55	21.58	21.37	22.8	0.0	
40	QPSK	108	54	21.51	21.61	21.39	22.8	0.0	
40	QPSK	108	108	21.35	21.58	21.46	22.8	0.0	
40	QPSK	216	0	21.27	21.59	21.39			
40	16QAM	1	1	21.32	21.54	21.37	22.8	0.0	
40	64QAM	1	1	21.46	21.42	21.51	23.0	0.0	
40	256QAM	1	1	20.22	20.28	20.46	21.0	1.8	
Channel									
Frequency (MHz)				1865	1822.5	1900			
30	QPSK	1	1	21.52	21.35	21.40	22.8	0.0	
Channel									
Frequency (MHz)				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	21.60	21.50	21.49	22.8	0.0	
Channel									
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.63	21.45	21.51	22.8	0.0	
Channel									
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.48	21.45	21.42	22.8	0.0	
Channel									
Frequency (MHz)				1865	1822.5	1910			
10	QPSK	1	1	21.47	21.40	21.46	22.8	0.0	
Channel									
Frequency (MHz)				372000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.41	21.30	21.45	22.8	0.0	



n30 DSI3_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2310					
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	22.68			23.9	0.0	
10	PI2 BPSK	1	26	22.63					
10	PI2 BPSK	1	50	22.55					
10	PI2 BPSK	25	0	22.53			23.9	0.0	
10	PI2 BPSK	25	14	22.67			23.9	0.0	
10	PI2 BPSK	25	27	22.61					
10	PI2 BPSK	50	0	22.57			23.9	0.0	
10	QPSK	1	1	22.69					
10	QPSK	1	26	22.68			23.9	0.0	
10	QPSK	1	50	22.56					
10	QPSK	25	0	22.61			23.9	0.0	
10	QPSK	25	14	22.64			23.9	0.0	
10	QPSK	25	27	22.59			23.9	0.0	
10	QPSK	50	0	22.54					
10	16QAM	1	1	22.56			23.9	0.0	
10	64QAM	1	1	21.66			23.0	0.8	
10	256QAM	1	1	20.31			21.0	2.5	
Channel				481500	482500				
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	22.47	22.60	22.51	23.9	0.0	

n66 Default Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1725					
Frequency (MHz)				1725					
40	PI2 BPSK	1	1	23.50	23.53	23.40			
40	PI2 BPSK	1	108	23.24	23.31	23.23	24.0	0.0	
40	PI2 BPSK	1	214	23.18	23.29	23.14			
40	PI2 BPSK	108	0	23.18	23.23	23.10	24.0	0.0	
40	PI2 BPSK	108	54	23.26	23.34	23.22	24.0	0.0	
40	PI2 BPSK	108	108	23.20	23.27	23.24			
40	PI2 BPSK	216	0	23.18	23.29	23.19	24.0	0.0	
40	QPSK	1	1	23.49	23.58	23.47			
40	QPSK	1	108	23.36	23.49	23.38	24.0	0.0	
40	QPSK	1	214	23.34	23.44	23.39			
40	QPSK	108	0	23.12	23.24	23.21	24.0	0.0	
40	QPSK	108	54	23.33	23.46	23.39	24.0	0.0	
40	QPSK	108	108	23.23	23.32	23.21	24.0	0.0	
40	QPSK	216	0	23.32	23.41	23.30			
40	16QAM	1	1	23.23	23.31	23.19	24.0	0.0	
40	64QAM	1	1	21.96	22.08	21.98	23.0	1.0	
40	256QAM	1	1	20.52	20.62	20.43	21.0	3.0	
Channel				345000	346000	345000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.42	23.47	23.43	24.0	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1725	1745	1770			
20	QPSK	1	1	23.40	23.52	23.37	24.0	0.0	
Channel				343500	348500	353500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.45	23.43	23.43	24.0	0.0	
Channel				343000	348000	353000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.45	23.43	23.42	24.0	0.0	
Channel				342500	347500	352500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.35	23.55	23.37	24.0	0.0	

n70 Default Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1725					
Frequency (MHz)				1725					
15	PI2 BPSK	1	1		23.53				
15	PI2 BPSK	1	40		23.47		24.0	0.0	
15	PI2 BPSK	1	77		23.49				
15	PI2 BPSK	36	0		23.41		24.0	0.0	
15	PI2 BPSK	36	22		23.48		24.0	0.0	
15	PI2 BPSK	36	43		23.34		24.0	0.0	
15	PI2 BPSK	75	0		23.39				
15	QPSK	1	1		23.55				
15	QPSK	1	43		23.46		24.0	0.0	
15	QPSK	1	77		23.42				
15	QPSK	36	0		23.36		24.0	0.0	
15	QPSK	36	22		23.50		24.0	0.0	
15	QPSK	36	43		23.39		24.0	0.0	
15	QPSK	75	0		23.43				
15	16QAM	1	1		21.98		23.0	1.0	
15	64QAM	1	1		20.71		21.5	2.5	
15	256QAM	1	1		19.10		19.5	4.5	
Channel				340000	345000	341000			
Frequency (MHz)				1760	1762.5	1765			
10	QPSK	1	1	23.40	23.48	23.41	24.0	0.0	
Channel				339500	340500	341500			
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	23.48	23.51	23.42	24.0	0.0	



n38 DSI3_Standalone Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				516004	516000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	21.86	22.00	21.84		
40	PI2 BPSK	1	83	21.93	22.02	21.97	22.7	0.0
40	PI2 BPSK	1	104	21.86	21.98	21.88		
40	PI2 BPSK	80	0	21.87	21.98	21.92	22.7	0.0
40	PI2 BPSK	50	28	21.78	21.91	21.72	22.7	0.0
40	PI2 BPSK	50	56	21.78	21.84	21.72		
40	PI2 BPSK	100	0	21.89	21.98	21.78	22.7	0.0
40	QPSK	1	1	22.08	22.18	22.04		
40	QPSK	1	83	21.82	21.98	21.82	22.7	0.0
40	QPSK	1	104	21.93	21.95	21.92		
40	QPSK	50	0	21.90	21.99	21.82	22.7	0.0
40	QPSK	50	28	21.88	22.04	21.92	22.7	0.0
40	QPSK	90	56	21.86	21.98	21.94	22.7	0.0
40	QPSK	100	0	21.86	21.88	21.75		
40	16QAM	1	1	22.02	22.14	21.97	22.7	0.0
40	64QAM	1	1	21.75	21.90	21.78	22.5	0.2
40	256QAM	1	1	20.21	20.33	20.27	20.5	2.2
Channel				517002	519000	520998		
Frequency (MHz)				2685.01	2695	2694.99		
30	QPSK	1	1	22.07	22.15	22.01	22.7	0.0
Channel				516504	519000	521498		
Frequency (MHz)				2682.83	2695	2697.18		
25	QPSK	1	1	22.07	22.10	21.97	22.7	0.0
Channel				516000	516000	520000		
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	22.00	22.10	22.03	22.7	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.06	22.10	22.03	22.7	0.0
Channel				515004	519000	522998		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.05	22.12	21.98	22.7	0.0

n41 DSI3_Standalone Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	528000		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	21.64	21.70	21.68		
100	PI2 BPSK	1	137	21.62	21.67	21.62	22.7	0.0
100	PI2 BPSK	1	271	21.63	21.72	21.58		
100	PI2 BPSK	135	0	21.61	21.64	21.48	22.7	0.0
100	PI2 BPSK	135	69	21.60	21.74	21.70	22.7	0.0
100	PI2 BPSK	135	138	21.56	21.67	21.63		
100	PI2 BPSK	270	0	21.58	21.71	21.68	22.7	0.0
100	QPSK	1	1	21.67	21.75	21.62		
100	QPSK	1	137	21.71	21.73	21.68	22.7	0.0
100	QPSK	1	271	21.47	21.61	21.50		
100	QPSK	135	0	21.48	21.65	21.55	22.7	0.0
100	QPSK	135	69	21.91	21.69	21.60	22.7	0.0
100	QPSK	135	138	21.44	21.60	21.55	22.7	0.0
100	QPSK	270	0	21.61	21.65	21.60		
100	16QAM	1	1	21.45	21.58	21.49	22.7	0.0
100	64QAM	1	1	20.67	20.81	20.65	21.5	1.2
100	256QAM	1	1	18.71	18.76	18.55	19.5	3.2
Channel				507000	518598	529998		
Frequency (MHz)				2641	2692.99	2644.98		
90	QPSK	1	1	21.63	21.64	21.53	22.7	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.93	2692.99	2648.99		
80	QPSK	1	1	21.51	21.65	21.49	22.7	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2631.01	2692.99	2665		
70	QPSK	1	1	21.61	21.63	21.47	22.7	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2626	2692.99	2669.98		
60	QPSK	1	1	21.50	21.62	21.58	22.7	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2621.92	2692.99	2664.99		
50	QPSK	1	1	21.60	21.70	21.59	22.7	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2616.81	2692.99	2640		
40	QPSK	1	1	21.52	21.71	21.60	22.7	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2611	2692.99	2674.98		
30	QPSK	1	1	21.55	21.70	21.61	22.7	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2606.82	2692.99	2678.99		
20	QPSK	1	1	21.83	21.68	21.52	22.7	0.0



n41 PC2 DSI3_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2446.01	2502.99	2540			
100	PI2 BPSK	1	1	2458	2465	2458			
100	PI2 BPSK	1	137	2457	2472	2484	25.7	0.0	
100	PI2 BPSK	1	271	2453	2469	2485			
100	PI2 BPSK	135	0	2476	2479	2470	25.7	0.0	
100	PI2 BPSK	135	69	2457	2472	2456	25.7	0.0	
100	PI2 BPSK	135	138	2464	2467	2450	25.7	0.0	
100	PI2 BPSK	270	0	2458	2471	2458			
100	QPSK	1	1	2467	2482	2472			
100	QPSK	1	137	2457	2481	2457	25.7	0.0	
100	QPSK	1	271	2464	2469	2466			
100	QPSK	135	0	2450	2456	2453	25.7	0.0	
100	QPSK	135	69	2471	2474	2463	25.7	0.0	
100	QPSK	135	138	2460	2472	2455	25.7	0.0	
100	QPSK	270	0	2457	2469	2458			
100	16QAM	1	1	2445	2455	2445	25.7	0.0	
100	16QAM	1	1	2435	2441	2426	25.0	0.7	
100	256QAM	1	1	2231	2236	2232	23.0	2.7	
Channel				506203	518599	528000	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	2452	2470	2456	25.7	0.0	
Channel				507294	518598	528000	Tune-up limit	MPR	
Frequency (MHz)				2628.02	2681.98	2681.98			
80	QPSK	1	1	2458	2471	2456	25.7	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	2454	2474	2455	25.7	0.0	
Channel				505200	518598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	2454	2467	2459	25.7	0.0	
Channel				505203	518599	532000	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	2480	2469	2457	25.7	0.0	
Channel				505202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	2460	2473	2458	25.7	0.0	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	2457	2467	2456	25.7	0.0	
Channel				501203	518599	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	2459	2469	2462	25.7	0.0	

n48 Part96 DSI3_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				3670	3624.99	3679.98			
40	PI2 BPSK	1	1	2047	2057	2049			
40	PI2 BPSK	1	53	2045	2032	2045	21.8	0.0	
40	PI2 BPSK	1	104	2036	2049	2041			
40	PI2 BPSK	50	0	2033	2048	2044	21.8	0.0	
40	PI2 BPSK	50	26	2025	2041	2036	21.8	0.0	
40	PI2 BPSK	50	56	2042	2047	2040	21.8	0.0	
40	PI2 BPSK	100	0	2032	2044	2040			
40	QPSK	1	1	2047	2038	2042			
40	QPSK	1	53	2035	2051	2041	21.8	0.0	
40	QPSK	1	104	2051	2034	2044			
40	QPSK	50	0	2029	2043	2037	21.8	0.0	
40	QPSK	50	26	2039	2052	2049	21.8	0.0	
40	QPSK	50	56	2030	2042	2029	21.8	0.0	
40	QPSK	100	0	2030	2044	2037	21.8	0.0	
40	16QAM	1	1	2028	2039	2033	21.8	0.0	
40	16QAM	1	1	2030	2045	2041	21.5	0.3	
40	256QAM	1	1	1932	1939	1927	19.5	2.3	
Channel				637666	641666	645998	Tune-up limit	MPR	
Frequency (MHz)				3685.02	3624.99	3684.98			
30	QPSK	1	1	2035	2050	2035	21.8	0.0	
Channel				637334	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3680.03	3624.99	3680			
20	QPSK	1	1	2034	2055	2039	21.8	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3655	3624.99	3684.98			
10	QPSK	1	1	2035	2054	2033	21.8	0.0	



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	19.59	19.66	19.63		
100	PI2 BPSK	1	137	19.67	19.70	19.59	20.9	0.0
100	PI2 BPSK	1	271	19.39	19.49	19.43		
100	PI2 BPSK	135	0	19.62	19.69	19.62	20.9	0.0
100	PI2 BPSK	135	69	19.51	19.65	19.61		
100	PI2 BPSK	135	138	19.40	19.54	19.39	20.9	0.0
100	PI2 BPSK	270	0	19.53	19.64	19.59		
100	QPSK	1	1	19.59	19.71	19.56		
100	QPSK	1	137	19.55	19.62	19.55	20.9	0.0
100	QPSK	1	271	19.30	19.41	19.32		
100	QPSK	135	0	19.54	19.62	19.59	20.9	0.0
100	QPSK	135	69	19.56	19.67	19.50	20.9	0.0
100	QPSK	135	138	19.49	19.52	19.49	20.9	0.0
100	QPSK	270	0	19.47	19.52	19.57		
100	16QAM	1	1	19.52	19.58	19.43	20.9	0.0
100	64QAM	1	1	19.47	19.50	19.47	20.9	0.0
100	256QAM	1	1	19.40	19.54	19.46	19.5	1.4
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.52	19.64	19.51	20.9	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.48	19.54	19.41	20.9	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.44	19.51	19.47	20.9	0.0
Channel								
Frequency (MHz)				649668	656000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.54	19.55	19.44	20.9	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.54	19.55	19.49	20.9	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.52	19.62	19.45	20.9	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.43	19.54	19.50	20.9	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.47	19.57	19.46	20.9	0.0
Channel								
Frequency (MHz)				647160	656000	664834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.54	19.58	19.48	20.9	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.54	19.67	19.47	20.9	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.47	22.57	22.54		
100	PI2 BPSK	1	137	22.51	22.55	22.51	23.9	0.0
100	PI2 BPSK	1	271	22.34	22.48	22.35		
100	PI2 BPSK	135	0	22.37	22.52	22.45	23.9	0.0
100	PI2 BPSK	135	69	22.29	22.45	22.41	23.9	0.0
100	PI2 BPSK	135	138	22.39	22.51	22.39	23.9	0.0
100	PI2 BPSK	270	0	22.45	22.54	22.37		
100	QPSK	1	1	22.55	22.62	22.47		
100	QPSK	1	137	22.47	22.53	22.39	23.9	0.0
100	QPSK	1	271	22.56	22.58	22.50		
100	QPSK	135	0	22.38	22.52	22.47	23.9	0.0
100	QPSK	135	69	22.47	22.59	22.44	23.9	0.0
100	QPSK	135	138	22.45	22.50	22.45	23.9	0.0
100	QPSK	270	0	22.42	22.53	22.39		
100	16QAM	1	1	22.44	22.57	22.46	23.9	0.0
100	64QAM	1	1	22.40	22.45	22.41	23.9	0.0
100	256QAM	1	1	21.93	22.00	21.88	23.0	0.8
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.48	22.47	22.41	23.9	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.43	22.58	22.41	23.9	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.48	22.57	22.35	23.9	0.0
Channel								
Frequency (MHz)				649668	656000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.49	22.60	22.31	23.9	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.41	22.56	22.45	23.9	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.46	22.58	22.38	23.9	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.49	22.50	22.41	23.9	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.50	22.51	22.37	23.9	0.0
Channel								
Frequency (MHz)				647160	656000	664834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.46	22.48	22.40	23.9	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.53	22.58	22.37	23.9	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			19.98		
100	PI2 BPSK	1	137			19.91	20.9	0.0
100	PI2 BPSK	1	271			19.93		
100	PI2 BPSK	135	0			20.00	20.9	0.0
100	PI2 BPSK	135	69			19.92	20.9	0.0
100	PI2 BPSK	135	138			19.98	20.9	0.0
100	PI2 BPSK	270	0			19.99		
100	QPSK	1	1			20.05		
100	QPSK	1	137			19.89	20.9	0.0
100	QPSK	1	271			19.91		
100	QPSK	135	0			19.95	20.9	0.0
100	QPSK	135	69			19.96	20.9	0.0
100	QPSK	135	138			19.95	20.9	0.0
100	QPSK	270	0			19.98		
100	16QAM	1	1			19.97	20.9	0.0
100	64QAM	1	1			19.89	20.9	0.0
100	256QAM	1	1			19.86	19.5	1.4
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.98	20.01	19.95	20.9	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.98	19.99	20.02	20.9	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.01	20.03	20.02	20.9	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.95	19.95	19.98	20.9	0.0
Channel								
Frequency (MHz)				3475.02	3500.01	3525.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.96	19.98	19.95	20.9	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.92	19.98	19.95	20.9	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.92	19.92	19.92	20.9	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.99	19.94	19.95	20.9	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.96	19.91	20.00	20.9	0.0
Channel								
Frequency (MHz)				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.93	19.95	20.01	20.9	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		3500.01			
100	PI2 BPSK	1	137		23.03			
100	PI2 BPSK	1	271		23.01		23.9	0.0
100	PI2 BPSK	135	0		23.09			
100	PI2 BPSK	135	69		23.11		23.9	0.0
100	PI2 BPSK	135	138		23.15		23.9	0.0
100	PI2 BPSK	270	0		23.11		23.9	0.0
100	PI2 BPSK	270	0		23.07			
100	QPSK	1	1		23.17			
100	QPSK	1	137		23.09		23.9	0.0
100	QPSK	1	271		23.08			
100	QPSK	135	0		23.10		23.9	0.0
100	QPSK	135	69		23.14		23.9	0.0
100	QPSK	135	138		23.03		23.9	0.0
100	QPSK	270	0		23.12		23.9	0.0
100	16QAM	1	1		23.08		23.9	0.0
100	64QAM	1	1		23.07		23.9	0.0
100	256QAM	1	1		22.46		23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.01	23.04	23.12	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	63068	63334	63400	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3498.02	3500.01	3502	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.08	23.12	23.06	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3498.01	3500.01	3500.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.04	23.03	23.06	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.13	23.13	23.12	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63500	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.08	23.03	23.05	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	63000	63334	63800	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3457.5	3500.01	3542.5	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3453.1	3500.01	3543.1	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.11	23.06	23.05	Tune-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	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137		19.64			
100	PI2 BPSK	1	271		19.57		20.9	0.0
100	PI2 BPSK	1	271		19.58			
100	PI2 BPSK	135	0		19.63		20.9	0.0
100	PI2 BPSK	135	69		19.57		20.9	0.0
100	PI2 BPSK	135	138		19.52		20.9	0.0
100	PI2 BPSK	270	0		19.53		20.9	0.0
100	QPSK	1	1		19.68			
100	QPSK	1	137		19.53		20.9	0.0
100	QPSK	1	271		19.64			
100	QPSK	135	0		19.52		20.9	0.0
100	QPSK	135	69		19.64		20.9	0.0
100	QPSK	135	138		19.57		20.9	0.0
100	QPSK	270	0		19.56		20.9	0.0
100	16QAM	1	1		19.60		20.9	0.0
100	64QAM	1	1		19.56		20.9	0.0
100	256QAM	1	1		19.44		19.5	1.4
Channel								
Frequency (MHz)								
90	QPSK	1	1	64998	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.61	19.65	19.53	20.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.58	19.60	19.59	20.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834	65000	65166	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3750	3785.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.53	19.56	19.53	20.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65268	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.52	19.63	19.53	20.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.54	19.64	19.55	20.9	0.0

Part270 n78 PC2 DS13_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137		22.42			
100	PI2 BPSK	1	271		22.32		23.9	0.0
100	PI2 BPSK	1	271		22.50			
100	PI2 BPSK	135	0		22.83		23.9	0.0
100	PI2 BPSK	135	69		22.49		23.9	0.0
100	PI2 BPSK	135	138		22.48		23.9	0.0
100	PI2 BPSK	270	0		22.55		23.9	0.0
100	PI2 BPSK	270	0		22.53			
100	QPSK	1	1		22.59			
100	QPSK	1	137		22.47		23.9	0.0
100	QPSK	1	271		22.45			
100	QPSK	135	0		22.44		23.9	0.0
100	QPSK	135	69		22.56		23.9	0.0
100	QPSK	135	138		22.43		23.9	0.0
100	QPSK	270	0		22.42		23.9	0.0
100	16QAM	1	1		22.45		23.9	0.0
100	64QAM	1	1		22.41		23.9	0.0
100	256QAM	1	1		22.18		23.0	0.8
Channel								
Frequency (MHz)								
90	QPSK	1	1	64998	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65068	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.53	22.45	22.42	23.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.54	22.53	22.49	23.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834	65000	65200	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3750	3785.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.50	22.53	22.49	23.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65268	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.52	22.55	22.47	23.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.43	22.47	22.44	23.9	0.0

Part27Q n78 DS13_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		19.92			
100	PI2 BPSK	1	271		19.91		20.9	0.0
100	PI2 BPSK	1	271		19.83			
100	PI2 BPSK	135	0		19.85		20.9	0.0
100	PI2 BPSK	135	69		19.96		20.9	0.0
100	PI2 BPSK	135	138		19.94		20.9	0.0
100	PI2 BPSK	270	0		19.89		20.9	0.0
100	QPSK	1	1		19.99			
100	QPSK	1	137		19.91		20.9	0.0
100	QPSK	1	271		19.86			
100	QPSK	135	0		19.83		20.9	0.0
100	QPSK	135	69		19.90		20.9	0.0
100	QPSK	135	138		19.86		20.9	0.0
100	QPSK	270	0		19.83		20.9	0.0
100	16QAM	1	1		19.87		20.9	0.0
100	64QAM	1	1		19.82		20.9	0.0
100	256QAM	1	1		19.90		19.5	1.4
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63354	63398	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63334	63400	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.92	19.83	19.85	20.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3495.02	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.93	19.83	19.89	20.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63166	63334	63500	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	3495.02	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.98	19.94	19.87	20.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63568	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3495.02	3500.01	3505.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63602	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.88	19.93	19.85	20.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63034	63334	63636	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.97	19.96	19.94	20.9	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63000	63334	63670	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3495.01	3500.01	3505.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.87	19.92	19.88	20.9	0.0



Part27Q n78 PC2 DSI3_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		3500.01				
100	PI2 BPSK	1	137		23.06				
100	PI2 BPSK	1	271		22.99			23.9	0.0
100	PI2 BPSK	135	0		23.06				
100	PI2 BPSK	135	69		22.98			23.9	0.0
100	PI2 BPSK	135	138		22.99			23.9	0.0
100	PI2 BPSK	270	0		23.05			23.9	0.0
100	PI2 BPSK	270	0		22.98				
100	QPSK	1	1		23.10				
100	QPSK	1	137		23.06				
100	QPSK	1	271		22.94			23.9	0.0
100	QPSK	135	0		23.05			23.9	0.0
100	QPSK	135	69		23.07			23.9	0.0
100	QPSK	135	138		22.99			23.9	0.0
100	QPSK	270	0		23.01			23.9	0.0
100	16QAM	1	1		23.04			23.9	0.0
100	64QAM	1	1		22.98			23.9	0.0
100	256QAM	1	1		22.62			23.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
				3495	3500.01	3505.02			
				23.00	22.04	22.99		23.9	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)	
				3498.02	3503.03	3510			
				22.96	23.06	22.97		23.9	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3500.01	3515.01			
				23.05	23.02	22.99		23.9	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
				3480	3500.01	3520.02			
				23.01	23.03	23.08		23.9	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3500.01	3525			
				22.99	23.06	22.96		23.9	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
				3470.03	3500.01	3530.03			
				23.00	23.00	23.06		23.9	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
				3465	3500.01	3535.02			
				22.96	23.06	22.96		23.9	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3500.01	3540			
				22.98	23.03	22.96		23.9	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	630350	633334	636350	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3500.01	3542.50			
				22.95	22.99	23.06		23.9	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
				3452.01	3500.01	3540.01			
				23.03	22.98	22.94		23.9	0.0



Reduced Power Mode for DSI3-Simultaneous

n2 Default 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									
				372000	376000	380000			
Frequency (MHz)									
				1850	1850	1850			
20	PI2 BPSK	1	1	22.53	23.07	22.99			
20	PI2 BPSK	1	53	22.79	22.98	22.82	24.0	0.0	
20	PI2 BPSK	1	104	22.85	22.92	22.90			
20	PI2 BPSK	50	0	22.79	22.95	22.91	24.0	0.0	
20	PI2 BPSK	50	28	22.94	22.96	23.02	24.0	0.0	
20	PI2 BPSK	50	56	22.90	22.92	22.82	24.0	0.0	
20	PI2 BPSK	100	0	22.81	22.90	22.86			
20	QPSK	1	1	22.98	23.14	23.07			
20	QPSK	1	53	22.98	23.06	23.00	24.0	0.0	
20	QPSK	1	104	22.97	22.95	22.97			
20	QPSK	50	0	22.92	22.93	22.94	24.0	0.0	
20	QPSK	50	28	22.93	23.06	22.87	24.0	0.0	
20	QPSK	50	56	22.93	22.99	22.84	24.0	0.0	
20	QPSK	100	0	22.93	23.00	22.97			
20	16QAM	1	1	22.74	22.86	22.71	24.0	0.0	
20	64QAM	1	1	21.70	21.89	21.83	23.0	1.0	
20	256QAM	1	1	20.21	20.32	20.24	21.0	3.0	
Channel									
				371500	376000	380500			
Frequency (MHz)									
				1847.5	1860	1862.5			
15	QPSK	1	1	22.83	23.11	23.00	24.0	0.0	
Channel									
				371000	376000	381000			
Frequency (MHz)									
				1855	1860	1855			
10	QPSK	1	1	22.84	23.09	22.93	24.0	0.0	
Channel									
				370500	376000	381500			
Frequency (MHz)									
				1862.5	1860	1867.5			
5	QPSK	1	1	22.84	23.04	22.92	24.0	0.0	

n5 Default 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)									
				834	836.5	839			
20	PI2 BPSK	1	1	23.09	23.19	23.14			
20	PI2 BPSK	1	53	22.97	23.04	22.94	24.0	0.0	
20	PI2 BPSK	1	104	22.84	22.96	22.89			
20	PI2 BPSK	50	0	23.00	23.08	22.98	24.0	0.0	
20	PI2 BPSK	50	28	23.06	23.14	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.93	22.96	22.92	24.0	0.0	
20	PI2 BPSK	100	0	22.94	23.00	22.89			
20	QPSK	1	1	23.13	23.22	23.16			
20	QPSK	1	53	23.06	23.19	23.11	24.0	0.0	
20	QPSK	1	104	23.02	23.06	22.91			
20	QPSK	50	0	22.91	22.98	22.89	24.0	0.0	
20	QPSK	50	28	23.09	23.18	23.12	24.0	0.0	
20	QPSK	50	56	22.97	23.02	22.87	24.0	0.0	
20	QPSK	100	0	23.01	23.14	23.07			
20	16QAM	1	1	23.02	23.08	22.95	24.0	0.0	
20	64QAM	1	1	22.57	22.71	22.58	24.0	0.0	
20	256QAM	1	1	21.90	22.04	21.94	23.0	1.0	
Channel									
				165300	167300	169300			
Frequency (MHz)									
				831.5	836.5	841.5			
15	QPSK	1	1	23.03	23.16	23.11	24.0	0.0	
Channel									
				166800	167300	168300			
Frequency (MHz)									
				839	836.5	844			
10	QPSK	1	1	23.08	23.19	23.06	24.0	0.0	
Channel									
				165300	167300	169300			
Frequency (MHz)									
				846.5	836.5	846.5			
5	QPSK	1	1	23.08	23.16	23.06	24.0	0.0	

n7 DSI3_Simultaneous 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									
				506000	507000	510000			
Frequency (MHz)									
				2530	2535	2530			
40	PI2 BPSK	1	1	21.41	21.43	21.32			
40	PI2 BPSK	1	108	21.42	21.46	21.34	22.5	0.0	
40	PI2 BPSK	1	214	21.33	21.39	21.36			
40	PI2 BPSK	108	0	21.27	21.43	21.29	22.5	0.0	
40	PI2 BPSK	108	54	21.33	21.41	21.35	22.5	0.0	
40	PI2 BPSK	108	108	21.35	21.44	21.32	22.5	0.0	
40	PI2 BPSK	216	0	21.33	21.41	21.28			
40	QPSK	1	1	21.39	21.35	21.51			
40	QPSK	1	108	21.39	21.41	21.27	22.5	0.0	
40	QPSK	1	214	21.28	21.40	21.29			
40	QPSK	108	0	21.28	21.45	21.33	22.5	0.0	
40	QPSK	108	54	21.40	21.49	21.44	22.5	0.0	
40	QPSK	108	108	21.33	21.42	21.32	22.5	0.0	
40	QPSK	216	0	21.32	21.48	21.45	22.5	0.0	
40	16QAM	1	1	21.35	21.44	21.29	22.5	0.0	
40	64QAM	1	1	20.15	20.24	20.16	21.0	1.0	
40	256QAM	1	1	18.26	18.34	18.30	18.5	3.0	
Channel									
				505000	507000	511000			
Frequency (MHz)									
				2515	2535	2555			
30	QPSK	1	1	21.34	21.40	21.45	22.5	0.0	
Channel									
				505000	507000	511500			
Frequency (MHz)									
				2512.5	2535	2577.5			
25	QPSK	1	1	21.24	21.43	21.41	22.5	0.0	
Channel									
				505000	507000	512000			
Frequency (MHz)									
				2516	2535	2560			
20	PI2 BPSK	1	1	21.33	21.48	21.35	22.5	0.0	
Channel									
				501500	507000	512500			
Frequency (MHz)									
				2507.5	2535	2562.5			
15	QPSK	1	1	21.27	21.50	21.48	22.5	0.0	
Channel									
				501000	507000	513000			
Frequency (MHz)									
				2506	2535	2565			
10	QPSK	1	1	21.35	21.52	21.36	22.5	0.0	
Channel									
				500500	507000	513500			
Frequency (MHz)									
				2502.5	2535	2567.5			
5	QPSK	1	1	21.30	21.53	21.39	22.5	0.0	



n12 Default 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)				704.5	707.5	710.5		
15	PI2 BPSK	1	1	21.05	23.11	22.97		
15	PI2 BPSK	1	40	22.84	22.92	22.80	24.0	0.0
15	PI2 BPSK	1	77	22.75	22.88	22.74		
15	PI2 BPSK	36	0	22.96	23.01	22.86	24.0	0.0
15	PI2 BPSK	36	22	23.01	23.06	22.94	24.0	0.0
15	PI2 BPSK	36	43	22.90	22.98	22.88	24.0	0.0
15	PI2 BPSK	75	0	22.90	23.02	22.96		
15	QPSK	1	1	23.13	23.19	23.12		
15	QPSK	1	40	23.07	23.12	23.06	24.0	0.0
15	QPSK	1	77	22.87	22.95	22.90		
15	QPSK	36	0	22.92	23.01	22.89	24.0	0.0
15	QPSK	36	22	22.97	23.06	22.97	24.0	0.0
15	QPSK	36	43	22.94	22.99	22.89	24.0	0.0
15	QPSK	75	0	22.85	23.01	22.90		
15	16QAM	1	1	23.07	23.11	23.07	24.0	0.0
15	64QAM	1	1	22.01	22.11	22.03	23.0	1.0
15	256QAM	1	1	23.14	23.23	23.17	21.0	3.0
Channel				140300	141000	142000		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.03	23.14	23.06	24.0	0.0
Channel				140300	141000	142000		
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.99	23.08	23.04	24.0	0.0

n13 Default 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				156400				
Frequency (MHz)				752				
10	PI2 BPSK	1	1	23.15				
10	PI2 BPSK	1	26	23.13			24.0	0.0
10	PI2 BPSK	1	50	23.05				
10	PI2 BPSK	25	0	22.27			23.5	0.5
10	PI2 BPSK	25	14	23.15			24.0	0.0
10	PI2 BPSK	25	27	23.01			23.5	0.5
10	PI2 BPSK	50	0	23.11				
10	QPSK	1	1	23.29				
10	QPSK	1	26	23.19			24.0	0.0
10	QPSK	1	50	23.13				
10	QPSK	25	0	22.46			23.0	1.0
10	QPSK	25	14	23.19			24.0	0.0
10	QPSK	25	27	22.97			23.0	1.0
10	QPSK	50	0	22.58			23.0	1.0
10	16QAM	1	1	21.67			23.0	1.0
10	64QAM	1	1	20.78			21.5	2.5
10	256QAM	1	1	19.36			18.5	4.5
Channel				155000	156500	159000		
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.20	23.26	23.22	24.0	0.0

n14 Default 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				158600				
Frequency (MHz)				792				
10	PI2 BPSK	1	1	23.37				
10	PI2 BPSK	1	26	23.28			24.0	0.0
10	PI2 BPSK	1	50	23.33				
10	PI2 BPSK	25	0	23.28			24.0	0.0
10	PI2 BPSK	25	14	23.35			24.0	0.0
10	PI2 BPSK	25	27	23.28			24.0	0.0
10	PI2 BPSK	50	0	23.31				
10	QPSK	1	1	23.43				
10	QPSK	1	26	23.31			24.0	0.0
10	QPSK	1	50	23.36				
10	QPSK	25	0	23.31			24.0	0.0
10	QPSK	25	14	23.39			24.0	0.0
10	QPSK	25	27	23.28			24.0	0.0
10	QPSK	50	0	23.33			24.0	0.0
10	16QAM	1	1	23.22			24.0	0.0
10	64QAM	1	1	22.17			23.0	1.0
10	256QAM	1	1	20.40			21.0	3.0
Channel				158100	159000	159100		
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.32	23.40	23.30	24.0	0.0



n25 Default 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	376500	379000				
Frequency (MHz)										
40	PI2 BPSK	1	1	23.02	23.13	23.12				
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0		
40	PI2 BPSK	1	214	22.98	22.98	23.02				
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0		
40	PI2 BPSK	108	54	23.04	23.11	23.14	24.0	0.0		
40	PI2 BPSK	108	108	22.96	23.07	22.93	24.0	0.0		
40	PI2 BPSK	216	0	22.98	22.96	23.05				
40	QPSK	1	1	23.08	23.25	23.21				
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0		
40	QPSK	1	214	23.02	23.06	23.00				
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0		
40	QPSK	108	54	23.02	23.16	22.97	24.0	0.0		
40	QPSK	108	108	22.98	23.08	22.93	24.0	0.0		
40	QPSK	216	0	23.04	23.12	23.04	24.0	0.0		
40	16QAM	1	1	23.09	23.21	23.16	24.0	0.0		
40	64QAM	1	1	22.08	22.13	22.08	23.0	1.0		
40	256QAM	1	1	20.59	20.74	20.63	21.0	3.0		
Channel										
				375000	376500	380000				
Frequency (MHz)										
30	QPSK	1	1	22.99	23.11	23.06	24.0	0.0		
Channel										
				376500	376500	380500				
Frequency (MHz)										
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0		
Channel										
				372000	376500	381000				
Frequency (MHz)										
20	QPSK	1	1	22.99	23.19	23.08	24.0	0.0		
Channel										
				371500	376500	381500				
Frequency (MHz)										
15	QPSK	1	1	22.97	23.20	23.06	24.0	0.0		
Channel										
				371000	376500	382000				
Frequency (MHz)										
10	QPSK	1	1	22.98	23.21	23.17	24.0	0.0		
Channel										
				370500	376500	382500				
Frequency (MHz)										
5	QPSK	1	1	22.96	23.17	23.14	24.0	0.0		

n26 Default 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										
				164800	166300	167800				
Frequency (MHz)										
20	PI2 BPSK	1	1	23.38	23.48	23.33				
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0		
20	PI2 BPSK	1	104	23.02	23.11	23.05				
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0		
20	PI2 BPSK	50	26	23.23	23.31	23.18	24.0	0.0		
20	PI2 BPSK	50	56	23.02	23.15	23.08	24.0	0.0		
20	PI2 BPSK	100	0	23.17	23.28	23.22				
20	QPSK	1	1	23.43	23.49	23.38				
20	QPSK	1	53	23.26	23.40	23.32	24.0	0.0		
20	QPSK	1	104	23.27	23.34	23.22				
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0		
20	QPSK	50	26	23.39	23.43	23.32	24.0	0.0		
20	QPSK	50	56	23.20	23.31	23.26	24.0	0.0		
20	QPSK	100	0	23.31	23.38	23.26	24.0	0.0		
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0		
20	64QAM	1	1	22.31	22.43	22.30	23.0	1.0		
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0		
Channel										
				165300	166300	166300				
Frequency (MHz)										
15	QPSK	1	1	23.39	23.36	23.33	24.0	0.0		
Channel										
				166000	166300	166800				
Frequency (MHz)										
10	QPSK	1	1	23.31	23.39	23.25	24.0	0.0		
Channel										
				165300	166300	166300				
Frequency (MHz)										
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0		

n30 Default 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										
				462000						
Frequency (MHz)										
10	PI2 BPSK	1	1		22.91					
10	PI2 BPSK	1	26		22.89		23.9	0.0		
10	PI2 BPSK	1	50		22.82					
10	PI2 BPSK	25	0		22.91		23.9	0.0		
10	PI2 BPSK	25	14		22.92		23.9	0.0		
10	PI2 BPSK	25	27		22.87		23.9	0.0		
10	PI2 BPSK	50	0		22.81					
10	QPSK	1	1		23.03					
10	QPSK	1	26		22.91		23.9	0.0		
10	QPSK	1	50		22.90					
10	QPSK	25	0		22.80		23.9	0.0		
10	QPSK	25	14		22.83		23.9	0.0		
10	QPSK	25	27		22.89		23.9	0.0		
10	QPSK	50	0		22.90		23.9	0.0		
10	16QAM	1	1		22.66		23.9	0.0		
10	64QAM	1	1		22.17		23.0	0.9		
10	256QAM	1	1		20.17		21.0	2.9		
Channel										
				461500	462000	462500				
Frequency (MHz)										
5	QPSK	1	1	22.83	22.90	22.81	23.9	0.0		



n66 Default Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Mid-Hi Ch. / Freq.	High Ch. / Freq.		
Channel				346000	349000	352000		
Frequency (MHz)				1712	1745	1776		
40	PI2 BPSK	1	1	23.18	23.29	23.32		
40	PI2 BPSK	1	108	23.07	23.35	23.14	24.0	0.0
40	PI2 BPSK	1	214	23.23	23.14	23.27		
40	PI2 BPSK	108	0	23.17	23.27	23.23	24.0	0.0
40	PI2 BPSK	108	54	23.22	23.36	23.40	24.0	0.0
40	PI2 BPSK	108	108	23.18	23.33	23.13	24.0	0.0
40	PI2 BPSK	216	0	23.04	23.22	23.21		
40	QPSK	1	1	23.26	23.45	23.40		
40	QPSK	1	108	23.37	23.34	23.27	24.0	0.0
40	QPSK	1	214	23.26	23.26	23.25		
40	QPSK	108	0	23.16	23.18	23.13	24.0	0.0
40	QPSK	108	54	23.22	23.35	23.24	24.0	0.0
40	QPSK	108	108	23.16	23.26	23.16	24.0	0.0
40	QPSK	216	0	23.21	23.35	23.22		
40	16QAM	1	1	22.70	22.48	22.63	24.0	0.0
40	64QAM	1	1	21.62	21.37	21.54	23.0	1.0
40	256QAM	1	1	20.39	20.24	20.44	21.0	3.0
Channel				345000	349000	353000		
Frequency (MHz)				1728	1745	1768		
30	QPSK	1	1	23.16	23.39	23.35	24.0	0.0
Channel				340000	349000	349000		
Frequency (MHz)				1720	1745	1776		
20	QPSK	1	1	23.13	23.41	23.35	24.0	0.0
Channel				343000	349000	345000		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.22	23.37	23.33	24.0	0.0
Channel				343000	349000	350000		
Frequency (MHz)				1712	1745	1776		
10	QPSK	1	1	23.22	23.34	23.29	24.0	0.0
Channel				342500	349000	350000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.14	23.38	23.30	24.0	0.0

n70 Default Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Mid-Hi Ch. / Freq.	High Ch. / Freq.			
Channel				340000	340500	341000			
Frequency (MHz)				1700	1702.5	1705			
15	PI2 BPSK	1	1		20.85		22.0	0.0	
15	PI2 BPSK	1	40		20.92				
15	PI2 BPSK	1	77		20.86				
15	PI2 BPSK	36	0		20.74		22.0	0.0	
15	PI2 BPSK	36	22		20.83		22.0	0.0	
15	PI2 BPSK	36	43		20.77		22.0	0.0	
15	PI2 BPSK	75	0		20.81				
15	QPSK	1	1		21.00				
15	QPSK	1	40		20.86		22.0	0.0	
15	QPSK	1	77		20.84				
15	QPSK	36	0		20.79		21.0	1.0	
15	QPSK	36	22		20.82		22.0	0.0	
15	QPSK	36	43		20.67		21.0	1.0	
15	QPSK	75	0		20.78				
15	16QAM	1	1		18.05		19.0	1.0	
15	64QAM	1	1		18.01		18.5	2.5	
15	256QAM	1	1		16.67		17.5	4.5	
Channel				340000	340500	341000			
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1		20.85	20.91	20.88	22.0	0.0
Channel				340500	340500	341000			
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1		20.89	20.96	20.89	22.0	0.0



n71 Default Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up Init (dBm)	MPR (dB)
				Low Ch. / Freq.	Midle Ch. / Freq.	High Ch. / Freq.		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	23.27	23.32	23.34		
20	PI2 BPSK	1	53	23.19	23.28	23.17	24.0	0.0
20	PI2 BPSK	1	104	23.09	23.22	23.19		
20	PI2 BPSK	50	0	23.16	23.26	23.18	24.0	0.0
20	PI2 BPSK	50	99	23.21	23.29	23.17	24.0	0.0
20	PI2 BPSK	50	56	23.03	23.18	23.14	24.0	0.0
20	PI2 BPSK	100	0	23.10	23.22	23.09		
20	QPSK	1	1	23.27	23.36	23.34		
20	QPSK	1	53	23.17	23.21	23.28	24.0	0.0
20	QPSK	1	104	23.18	23.29	23.23		
20	QPSK	50	0	23.11	23.23	23.11	24.0	0.0
20	QPSK	50	28	23.20	23.33	23.21	24.0	0.0
20	QPSK	50	56	23.13	23.23	23.11	24.0	0.0
20	QPSK	100	0	23.14	23.26	23.14		
20	16QAM	1	1	22.76	22.88	22.84	24.0	0.0
20	64QAM	1	1	22.10	22.19	22.12	23.0	1.0
20	256QAM	1	1	20.53	20.57	20.49	21.0	3.0
Channel				134100	136100	138100		
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.15	23.35	23.26	24.0	0.0
Channel				130600	136100	136600		
Frequency (MHz)				658	680.5	698		
10	QPSK	1	1	23.12	23.33	23.28	24.0	0.0
Channel				133100	136100	139100		
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.19	23.27	23.21	24.0	0.0



n38 DSI3_Simultaneous Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				516004	516000	519996	
Frequency (MHz)				2500.02	2595	2599.98	
40	PI2 BPSK	1	1	18.36	18.36	18.37	
40	PI2 BPSK	1	53	18.32	18.39	18.41	19.9
40	PI2 BPSK	1	104	18.38	18.48	18.42	
40	PI2 BPSK	50	0	18.36	18.36	18.35	19.9
40	PI2 BPSK	50	28	18.38	18.38	18.25	19.9
40	PI2 BPSK	50	56	18.44	18.40	18.42	
40	PI2 BPSK	100	0	18.37	18.47	18.42	19.9
40	QPSK	1	1	18.27	18.68	18.31	
40	QPSK	1	53	18.27	18.36	18.17	19.9
40	QPSK	1	104	18.28	18.38	18.46	
40	QPSK	50	0	18.35	18.49	18.40	19.9
40	QPSK	50	28	18.39	18.53	18.33	19.9
40	QPSK	50	56	18.36	18.33	18.25	19.9
40	QPSK	100	0	18.36	18.53	18.24	19.9
40	16QAM	1	1	18.24	18.32	18.23	19.9
40	64QAM	1	1	18.32	18.31	18.54	19.9
40	256QAM	1	1	18.51	18.31	18.45	19.5
Channel				517002	519000	520998	
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	18.18	18.55	18.28	19.9
Channel				516504	519000	521496	
Frequency (MHz)				2602.82	2595	2607.88	
25	QPSK	1	1	18.23	18.55	18.22	19.9
Channel				516000	516000	522000	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	18.22	18.53	18.24	19.9
Channel				515502	519000	522498	
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	18.23	18.55	18.23	19.9
Channel				515004	519000	522996	
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	18.26	18.52	18.22	19.9

n41 DSI3_Simultaneous Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				506002	518598	528600	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	18.32	18.50	18.23	
100	PI2 BPSK	1	137	18.43	18.43	18.28	19.9
100	PI2 BPSK	1	271	18.59	18.51	18.39	
100	PI2 BPSK	135	0	18.41	18.36	18.27	19.9
100	PI2 BPSK	135	69	18.47	18.43	18.31	19.9
100	PI2 BPSK	135	138	18.41	18.40	18.45	
100	PI2 BPSK	270	0	18.39	18.51	18.43	19.9
100	QPSK	1	1	18.44	18.71	18.57	
100	QPSK	1	137	18.32	18.47	18.31	19.9
100	QPSK	1	271	18.32	18.58	18.37	
100	QPSK	135	0	18.28	18.56	18.30	19.9
100	QPSK	135	69	18.35	18.57	18.32	19.9
100	QPSK	135	138	18.26	18.56	18.52	19.9
100	QPSK	270	0	18.30	18.52	18.33	19.9
100	16QAM	1	1	18.31	18.26	18.06	19.9
100	64QAM	1	1	18.40	18.60	18.27	19.9
100	256QAM	1	1	17.45	17.23	17.43	18.5
Channel				505000	518598	529598	
Frequency (MHz)				2554	2592.99	2644.98	
90	QPSK	1	1	18.28	18.41	18.44	19.9
Channel				507204	518598	529598	
Frequency (MHz)				2638.02	2622.99	2648.99	
80	QPSK	1	1	18.18	18.56	18.39	19.9
Channel				506002	518598	531000	
Frequency (MHz)				2631.01	2622.99	2665	
70	QPSK	1	1	18.35	18.41	18.27	19.9
Channel				505000	518598	531996	
Frequency (MHz)				2626	2622.99	2659.98	
60	QPSK	1	1	18.26	18.50	18.30	19.9
Channel				504004	518598	532996	
Frequency (MHz)				2621.02	2622.99	2664.99	
50	QPSK	1	1	18.19	18.61	18.41	19.9
Channel				503002	518598	534000	
Frequency (MHz)				2616.01	2622.99	2670	
40	QPSK	1	1	18.12	18.59	18.43	19.9
Channel				502000	518598	534996	
Frequency (MHz)				2611	2622.99	2674.98	
30	QPSK	1	1	18.34	18.43	18.50	18.9
Channel				501204	518598	535996	
Frequency (MHz)				2606.02	2622.99	2679.99	
20	QPSK	1	1	18.33	18.42	18.33	19.9



n41 PC2 DSI3_Simultaneous Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				506202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	2143	2158	2157	
100	PI2 BPSK	1	137	2152	2150	2141	22.9
100	PI2 BPSK	1	271	2147	2142	2143	
100	PI2 BPSK	135	0	2130	2154	2149	22.9
100	PI2 BPSK	135	69	2147	2148	2140	22.9
100	PI2 BPSK	135	138	2143	2140	2140	22.9
100	PI2 BPSK	270	0	2138	2148	2151	
100	QPSK	1	1	2136	2166	2161	
100	QPSK	1	197	2138	2154	2153	22.9
100	QPSK	1	211	2129	2150	2144	
100	QPSK	135	0	2138	2141	2130	22.9
100	QPSK	135	69	2134	2164	2134	22.9
100	QPSK	135	138	2122	2153	2156	22.9
100	QPSK	270	0	2148	2161	2148	
100	16QAM	1	1	2147	2155	2124	22.9
100	64QAM	1	1	2136	2131	2133	22.9
100	256QAM	1	1	2018	2030	2035	22.0
Channel				506203	518599	528000	
Frequency (MHz)				2841	2592.99	2644.98	
80	QPSK	1	1	2118	2130	2129	22.9
Channel				507294	518598	528000	
Frequency (MHz)				2828.02	2661.99	2683.98	
80	QPSK	1	1	2106	2138	2135	22.9
Channel				506202	518598	531000	
Frequency (MHz)				2931.01	2592.99	2695	
70	QPSK	1	1	2119	2123	2150	22.9
Channel				502000	518598	531998	
Frequency (MHz)				2826	2592.99	2659.98	
60	QPSK	1	1	2124	2140	2140	22.9
Channel				505203	518599	532000	
Frequency (MHz)				2921.02	2592.99	2664.99	
50	QPSK	1	1	2122	2122	2151	22.9
Channel				505202	518598	534000	
Frequency (MHz)				2916.01	2592.99	2670	
40	QPSK	1	1	2124	2130	2145	22.9
Channel				502000	518598	534998	
Frequency (MHz)				2911	2592.99	2674.98	
30	QPSK	1	1	2120	2134	2138	22.9
Channel				507003	518599	535998	
Frequency (MHz)				2906.02	2592.99	2679.99	
20	QPSK	1	1	2112	2129	2131	22.9

n48 Part96 Default Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				636000	641666	645332	
Frequency (MHz)				3670	3624.99	3679.98	
40	PI2 BPSK	1	1	2037	2101	2056	
40	PI2 BPSK	1	53	2085	2099	2088	22.0
40	PI2 BPSK	1	104	2091	2095	2091	
40	PI2 BPSK	50	0	2030	2040	2034	21.5
40	PI2 BPSK	50	26	2094	2097	2082	22.0
40	PI2 BPSK	50	56	2034	2039	2034	21.5
40	PI2 BPSK	100	0	2038	2043	2030	
40	QPSK	1	1	2099	2109	2094	
40	QPSK	1	53	2080	2103	2097	22.0
40	QPSK	1	104	2092	2096	2093	
40	QPSK	50	0	2002	2013	1998	21.0
40	QPSK	50	26	2094	2105	2088	22.0
40	QPSK	50	56	1988	2004	1982	21.0
40	QPSK	100	0	1994	2007	2003	
40	16QAM	1	1	1990	1998	1981	21.0
40	64QAM	1	1	1857	1876	1864	19.5
40	256QAM	1	1	1652	1659	1647	17.5
Channel				637334	641666	645998	
Frequency (MHz)				3665.02	3624.99	3684.98	
30	QPSK	1	1	2087	2103	2083	22.0
Channel				637334	641666	646000	
Frequency (MHz)				3660.03	3624.99	3680	
20	QPSK	1	1	2090	2094	2079	22.0
Channel				637000	641666	646332	
Frequency (MHz)				3655	3624.99	3684.98	
10	QPSK	1	1	2095	2099	2089	22.0



Part270 n77 Ant 0										
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										
Frequency (MHz)										
100	Pl2 BPSK	1	1	22.81	22.84	22.91				
100	Pl2 BPSK	1	137	22.84	23.02	22.97	24.0	0.0		
100	Pl2 BPSK	1	271	22.77	22.89	22.77				
100	Pl2 BPSK	135	0	22.74	22.90	22.74	24.0	0.0		
100	Pl2 BPSK	135	69	22.95	22.97	22.93	24.0	0.0		
100	Pl2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0		
100	Pl2 BPSK	270	0	22.82	22.92	22.81				
100	QPSK	1	1	22.88	23.06	23.04				
100	QPSK	1	137	22.86	22.86	22.83	24.0	0.0		
100	QPSK	1	271	22.97	22.99	22.88				
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0		
100	QPSK	135	69	22.92	23.03	22.90	24.0	0.0		
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0		
100	QPSK	270	0	22.94	22.90	22.77				
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0		
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0		
100	256QAM	1	1	20.19	20.24	20.19	21.0	3.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	22.82	22.95	22.94	24.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	22.75	22.99	22.98	24.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	22.81	22.96	22.99	24.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	22.74	22.90	22.90	24.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	22.71	22.88	22.93	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.78	23.00	22.97	24.0	0.0		

Part270 n77 PC2 Ant 0										
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										
Frequency (MHz)										
100	Pl2 BPSK	1	1	25.68	25.92	25.60				
100	Pl2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0		
100	Pl2 BPSK	1	271	25.88	26.07	26.03				
100	Pl2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0		
100	Pl2 BPSK	135	69	25.85	26.02	25.98	27.0	0.0		
100	Pl2 BPSK	135	138	25.82	26.05	25.90	27.0	0.0		
100	Pl2 BPSK	270	0	25.70	25.91	25.87				
100	QPSK	1	1	25.80	26.13	26.08				
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0		
100	QPSK	1	271	25.83	26.03	25.87				
100	QPSK	135	0	25.64	25.82	25.76	27.0	0.0		
100	QPSK	135	69	25.90	26.10	26.00	27.0	0.0		
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0		
100	QPSK	270	0	25.77	25.97	25.81				
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0		
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5		
100	256QAM	1	1	23.19	23.40	23.38	24.5	2.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	25.66	25.97	25.97	27.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	25.85	25.97	25.94	27.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	25.76	26.06	25.98	27.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	25.77	25.98	26.06	27.0	0.0		

Part270Q n77 Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 633000]	Power Middle Ch. [Freq. 633334]	Power High Ch. [Freq. 633668]	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pl2 BPSK	1	1		350.01					
100	Pl2 BPSK	1	137		350.01		24.0	0.0		
100	Pl2 BPSK	1	271		350.01					
100	Pl2 BPSK	135	0		350.01		24.0	0.0		
100	Pl2 BPSK	135	69		350.01		24.0	0.0		
100	Pl2 BPSK	135	138		350.01		24.0	0.0		
100	Pl2 BPSK	270	0		350.01		24.0	0.0		
100	QPSK	1	1		350.01		24.0	0.0		
100	QPSK	1	137		350.01		24.0	0.0		
100	QPSK	1	271		350.01		24.0	0.0		
100	QPSK	135	0		350.01		24.0	0.0		
100	QPSK	135	69		350.01		24.0	0.0		
100	QPSK	135	138		350.01		24.0	0.0		
100	QPSK	270	0		350.01		24.0	0.0		
100	16QAM	1	1		350.01		23.0	1.0		
100	64QAM	1	1		350.01		21.0	3.0		
100	256QAM	1	1		350.01		19.0	5.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	633000	633334	633668	24.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	633000	633334	633668	24.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	633000	633334	633668	24.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	633000	633334	633668	24.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	633000	633334	633668	24.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	633000	633334	633668	24.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	633000	633334	633668	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	633000	633334	633668	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	633000	633334	633668	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	633000	633334	633668	24.0	0.0		



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		26.35			
100	PI2 BPSK	1	271		26.39		27.0	0.0
100	PI2 BPSK	135	0		26.38			
100	PI2 BPSK	135	69		26.33		27.0	0.0
100	PI2 BPSK	135	138		26.29		27.0	0.0
100	PI2 BPSK	270	0		26.35		27.0	0.0
100	PI2 BPSK	270	0		26.38			
100	QPSK	1	1		26.46			
100	QPSK	1	137		26.36			
100	QPSK	1	271		26.31		27.0	0.0
100	QPSK	135	0		26.29		27.0	0.0
100	QPSK	135	69		26.35		27.0	0.0
100	QPSK	135	138		26.26		27.0	0.0
100	QPSK	270	0		26.40			
100	16QAM	1	1		26.29		27.0	0.0
100	64QAM	1	1		26.06		26.5	0.5
100	256QAM	1	1		24.11		24.6	2.6
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	26.30	26.34	26.43	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	26.38	26.40	26.29	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.30	26.39	26.29	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	26.36	26.31	26.34	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	633500	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	26.38	26.33	26.37	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
40	QPSK	1	1	26.42	26.36	26.32	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	26.32	26.33	26.43	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	633500	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	26.36	26.38	26.41	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	633768	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	26.42	26.33	26.37	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3545.01		
10	QPSK	1	1	26.35	26.31	26.34	27.0	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)				3750	3750	3750		
100	PI2 BPSK	1	1		22.85			
100	PI2 BPSK	1	137		22.80		24.0	0.0
100	PI2 BPSK	1	271		22.74			
100	PI2 BPSK	135	0		22.85		24.0	0.0
100	PI2 BPSK	135	69		22.73		24.0	0.0
100	PI2 BPSK	135	138		22.84		24.0	0.0
100	PI2 BPSK	270	0		22.75		24.0	0.0
100	QPSK	1	1		22.89			
100	QPSK	1	137		22.81		24.0	0.0
100	QPSK	1	271		22.72			
100	QPSK	135	0		22.75		23.5	0.5
100	QPSK	135	69		22.83		24.0	0.0
100	QPSK	135	138		22.75		23.5	0.5
100	QPSK	270	0		22.85		22.0	2.0
100	16QAM	1	1		22.25		22.0	2.0
100	64QAM	1	1		20.83		22.0	4.0
100	256QAM	1	1		19.01		22.0	4.0
Channel								
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01	24.0	0.0
90	QPSK	1	1	22.71	22.84	22.79	24.0	0.0
Channel								
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3748.01	3750	3752.02	24.0	0.0
80	QPSK	1	1	22.81	22.73	22.89	24.0	0.0
Channel								
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3745.02	3750	3755.01	24.0	0.0
70	QPSK	1	1	22.83	22.79	22.86	24.0	0.0
Channel								
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3740.02	3750	3750.01	24.0	0.0
60	QPSK	1	1	22.73	22.80	22.80	24.0	0.0
Channel								
Frequency (MHz)				64034	65000	65166	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3725.01	3750	3775.02	24.0	0.0
50	QPSK	1	1	22.78	22.75	22.73	24.0	0.0
Channel								
Frequency (MHz)				64000	65000	65200	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3745.02	3750	3755.01	24.0	0.0
40	QPSK	1	1	22.78	22.85	22.87	24.0	0.0
Channel								
Frequency (MHz)				64068	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	24.0	0.0
30	QPSK	1	1	22.82	22.73	22.74	24.0	0.0
Channel								
Frequency (MHz)				64034	65000	65268	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3710.01	3750	3790.02	24.0	0.0
20	QPSK	1	1	22.81	22.83	22.70	24.0	0.0
Channel								
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3705	3750	3795	24.0	0.0
15	QPSK	1	1	22.83	22.73	22.72	24.0	0.0
Channel								
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	3724	22.88	22.72	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		25.83			
100	PI2 BPSK	1	137		25.82		27.0	0.0
100	PI2 BPSK	1	271		25.85			
100	PI2 BPSK	135	0		25.90		27.0	0.0
100	PI2 BPSK	135	69		25.96		27.0	0.0
100	PI2 BPSK	135	138		25.91		27.0	0.0
100	PI2 BPSK	270	0		25.87		27.0	0.0
100	QPSK	1	1		25.97			
100	QPSK	1	137		25.90		27.0	0.0
100	QPSK	1	271		25.94			
100	QPSK	135	0		25.83		27.0	0.0
100	QPSK	135	69		25.93		27.0	0.0
100	QPSK	135	138		25.84		27.0	0.0
100	QPSK	270	0		25.94		27.0	0.0
100	16QAM	1	1		25.58		25.5	1.5
100	64QAM	1	1		24.18		25.5	1.5
100	256QAM	1	1		22.28		23.5	3.5
Channel								
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01	27.0	0.0
90	QPSK	1	1	25.83	25.83	25.83	27.0	0.0
Channel								
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3748.01	3750	3752.02	27.0	0.0
80	QPSK	1	1	25.91	25.83	25.79	27.0	0.0
Channel								
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3745.02	3750	3755.01	27.0	0.0
70	QPSK	1	1	25.81	25.85	25.81	27.0	0.0
Channel								
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3740.02	3750	3750.01	27.0	0.0
60	QPSK	1	1	25.91	25.85	25.83	27.0	0.0
Channel								
Frequency (MHz)				64034	65000	65166	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3725.01	3750	3775.02	27.0	0.0
50	QPSK	1	1	25.91	25.94	25.83	27.0	0.0
Channel								
Frequency (MHz)				64000	65000	65200	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3745.02	3750	3755.01	27.0	0.0
40	QPSK	1	1	25.78	25.83	25.81	27.0	0.0
Channel								
Frequency (MHz)				64068	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	27.0	0.0
30	QPSK	1	1	25.85	25.94	25.87	27.0	0.0
Channel								
Frequency (MHz)				64034	65000	65268	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3710.01	3750	3790.02	27.0	0.0
20	QPSK	1	1	25.92	25.92	25.85	27.0	0.0
Channel								
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3705	3750	3795	27.0	0.0
15	QPSK	1	1	25.78	25.91	25.77	27.0	0.0
Channel								
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	3720	25.91	25.77	27.0	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)					350.01			
100	PI2 BPSK	1	1		23.22			
100	PI2 BPSK	1	137		23.18		24.0	0.0
100	PI2 BPSK	1	271		23.29			
100	PI2 BPSK	135	0		23.22		24.0	0.0
100	PI2 BPSK	135	69		23.30		24.0	0.0
100	PI2 BPSK	135	138		23.29		24.0	0.0
100	PI2 BPSK	270	0		23.17		24.0	0.0
100	QPSK	1	1		23.32			
100	QPSK	1	137		23.21		24.0	0.0
100	QPSK	1	271		23.17			
100	QPSK	135	0		23.18		23.5	0.5
100	QPSK	135	69		23.23		24.0	0.0
100	QPSK	135	138		23.17		23.5	0.5
100	QPSK	270	0		23.26		22.0	2.0
100	16QAM	1	1		23.13		22.0	2.0
100	64QAM	1	1		21.58		22.0	4.0
100	256QAM	1	1		19.48		22.0	4.0
Channel								
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
90	QPSK	1	1	23.17	23.23	23.18	24.0	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3498.02	3500.01	3502	24.0	0.0
80	QPSK	1	1	23.15	23.24	23.21	24.0	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3495.01	3500.01	3505.01	24.0	0.0
70	QPSK	1	1	23.22	23.29	23.14	24.0	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3490	3500.01	3500.02	24.0	0.0
60	QPSK	1	1	23.09	23.22	23.19	24.0	0.0
Channel								
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3485	3500.01	3505.02	24.0	0.0
50	QPSK	1	1	23.10	23.20	23.19	24.0	0.0
Channel								
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3480.01	3500.01	3505.01	24.0	0.0
40	QPSK	1	1	23.22	23.20	23.17	24.0	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3465	3500.01	3505.02	24.0	0.0
30	QPSK	1	1	23.15	23.19	23.25	24.0	0.0
Channel								
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3460.02	3500.01	3505	24.0	0.0
20	QPSK	1	1	23.24	23.27	23.16	24.0	



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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		3500.01			
100	PI2 BPSK	1	137		26.24			
100	PI2 BPSK	1	271		26.33		27.0	0.0
100	PI2 BPSK	135	0		26.28			
100	PI2 BPSK	135	69		26.22		27.0	0.0
100	PI2 BPSK	135	138		26.32		27.0	0.0
100	PI2 BPSK	270	0		26.27		27.0	0.0
100	PI2 BPSK	270	0		26.25			
100	QPSK	1	1		26.38			
100	QPSK	1	137		26.33		27.0	0.0
100	QPSK	1	271		26.22			
100	QPSK	135	0		26.30		27.0	0.0
100	QPSK	135	69		26.35		27.0	0.0
100	QPSK	135	138		26.32		27.0	0.0
100	QPSK	270	0		26.23			
100	16QAM	1	1		26.16		27.0	0.0
100	64QAM	1	1		25.20		25.5	1.5
100	256QAM	1	1		23.16		23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				26.16	26.26	26.22	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
				26.24	26.24	26.24	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				26.22	26.29	26.23	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				26.20	26.26	26.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631800	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				26.26	26.29	26.26	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
				26.18	26.23	26.26	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
				26.24	26.34	26.30	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				26.22	26.27	26.20	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636300	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
				26.18	26.35	26.28	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
				26.25	26.32	26.27	27.0	0.0



n2 Default 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)				1660	1680	1690			
20	PI2 BPSK	1	1	21.58	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.60	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.50	19.21	19.29	21.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
Frequency (MHz)				3710.0	3760.0	3810.0			
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
Frequency (MHz)				3705.0	3760.0	3815.0			
5	QPSK	1	1	21.32	21.40	21.24	23.0	0.0	

n5 Default 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)				1668.0	1679.0	1676.0			
20	PI2 BPSK	1	1	21.80	21.66	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.88	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.56	21.0	2.0	
Channel									
Frequency (MHz)				1620.0	1620.0	1620.0			
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
Frequency (MHz)				1658.0	1670.0	1680.0			
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
Frequency (MHz)				1663.0	1673.0	1683.0			
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 DS13_Simultaneous 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)				5040.0	5070.0	5100.0			
40	PI2 BPSK	1	1	19.08	19.21	19.13			
40	PI2 BPSK	1	108	19.07	19.11	19.07	20.4	0.0	
40	PI2 BPSK	1	214	19.00	19.17	19.11			
40	PI2 BPSK	108	0	19.05	19.13	19.05	20.4	0.0	
40	PI2 BPSK	108	54	19.12	19.20	19.11	20.4	0.0	
40	PI2 BPSK	108	108	18.99	19.12	18.98	20.4	0.0	
40	PI2 BPSK	216	0	19.11	19.15	19.12			
40	QPSK	1	1	19.16	19.27	19.24			
40	QPSK	1	108	19.10	19.24	19.07	20.4	0.0	
40	QPSK	1	214	19.02	19.15	19.05			
40	QPSK	108	0	19.10	19.12	19.01	20.4	0.0	
40	QPSK	108	54	19.02	19.15	19.04	20.4	0.0	
40	QPSK	108	108	19.04	19.13	18.98	20.4	0.0	
40	QPSK	216	0	19.00	19.11	19.05			
40	16QAM	1	1	19.12	19.20	19.12	20.4	0.0	
40	64QAM	1	1	19.05	19.14	19.07	20.4	0.0	
40	256QAM	1	1	18.96	19.11	18.99	20.0	0.4	
Channel									
Frequency (MHz)				5020.0	5070.0	5100.0			
30	QPSK	1	1	19.07	19.18	19.07	20.4	0.0	
Channel									
Frequency (MHz)				5025.0	5070.0	5105.0			
25	QPSK	1	1	19.08	19.18	19.12	20.4	0.0	
Channel									
Frequency (MHz)				5020.0	5070.0	5100.0			
20	PI2 BPSK	1	1	19.08	19.12	19.16	20.4	0.0	
Channel									
Frequency (MHz)				5015.0	5070.0	5105.0			
15	QPSK	1	1	19.08	19.13	19.16	20.4	0.0	
Channel									
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	1	19.07	19.14	19.22	20.4	0.0	
Channel									
Frequency (MHz)				5005.0	5070.0	5100.0			
5	QPSK	1	1	19.06	19.22	19.16	20.4	0.0	



n12 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				141900	141600	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI2 BPSK	1	1	21.82	21.86	21.78	
15	PI2 BPSK	1	40	21.64	21.71	21.60	23.0
15	PI2 BPSK	1	77	21.49	21.59	21.48	
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0
15	PI2 BPSK	36	43	21.64	21.69	21.66	
15	PI2 BPSK	75	0	21.71	21.79	21.70	23.0
15	QPSK	1	1	21.87	21.95	21.82	
15	QPSK	1	40	21.76	21.86	21.74	23.0
15	QPSK	1	77	21.70	21.79	21.67	
15	QPSK	36	0	21.64	21.73	21.60	23.0
15	QPSK	36	22	21.83	21.86	21.79	23.0
15	QPSK	36	43	21.62	21.73	21.64	23.0
15	QPSK	75	0	21.72	21.79	21.74	
15	16QAM	1	1	21.53	21.63	21.52	23.0
15	64QAM	1	1	20.83	20.93	20.89	22.0
15	256QAM	1	1	19.33	19.41	19.29	20.0
Channel				142000	141500	142100	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	21.82	21.88	21.69	23.0
Channel				140900	141900	142700	
Frequency (MHz)				707.5	707.5	713.5	
5	QPSK	1	1	21.79	21.81	21.72	23.0

n13 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				155500	156000	156000	
Frequency (MHz)				722			
10	PI2 BPSK	1	1	21.84			
10	PI2 BPSK	1	26	21.79			23.0
10	PI2 BPSK	1	50	21.72			
10	PI2 BPSK	25	0	20.93			22.5
10	PI2 BPSK	25	14	21.88			23.0
10	PI2 BPSK	25	27	21.76			
10	PI2 BPSK	50	0	21.81			22.5
10	QPSK	1	1	21.94			
10	QPSK	1	26	21.87			23.0
10	QPSK	1	50	21.83			
10	QPSK	25	0	20.89			22.0
10	QPSK	25	14	21.89			23.0
10	QPSK	25	27	21.13			22.0
10	QPSK	50	0	21.19			
10	16QAM	1	1	20.71			22.0
10	64QAM	1	1	19.53			20.5
10	256QAM	1	1	18.22			18.5
Channel				155500	156000	156000	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	1	21.80	21.87	21.81	23.0

n14 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				158100	158000	158100	
Frequency (MHz)				793			
10	PI2 BPSK	1	1	21.88			
10	PI2 BPSK	1	26	21.90			23.0
10	PI2 BPSK	1	50	21.86			
10	PI2 BPSK	25	0	21.89			23.0
10	PI2 BPSK	25	14	21.95			23.0
10	PI2 BPSK	25	27	21.86			
10	PI2 BPSK	50	0	21.93			23.0
10	QPSK	1	1	22.04			
10	QPSK	1	26	22.01			23.0
10	QPSK	1	50	21.96			
10	QPSK	25	0	21.94			23.0
10	QPSK	25	14	21.99			23.0
10	QPSK	25	27	21.87			23.0
10	QPSK	50	0	21.94			
10	16QAM	1	1	21.88			23.0
10	64QAM	1	1	20.85			22.0
10	256QAM	1	1	19.09			20.0
Channel				158100	158000	158100	
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	1	21.93	21.98	21.91	23.0



n25 Default Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	21.59	21.43	21.33	23.0	0.0	
40	PI2 BPSK	1	108	21.32	21.37	21.22			
40	PI2 BPSK	1	214	21.34	21.40	21.28			
40	PI2 BPSK	108	0	21.35	21.39	21.32	23.0	0.0	
40	PI2 BPSK	108	54	21.35	21.45	21.38	23.0	0.0	
40	PI2 BPSK	108	108	21.31	21.34	21.27	23.0	0.0	
40	PI2 BPSK	216	0	21.28	21.39	21.26			
40	QPSK	1	1	21.49	21.52	21.45			
40	QPSK	1	108	21.37	21.48	21.40	23.0	0.0	
40	QPSK	1	214	21.30	21.42	21.34			
40	QPSK	108	0	21.32	21.38	21.29	23.0	0.0	
40	QPSK	108	54	21.42	21.49	21.38	23.0	0.0	
40	QPSK	108	108	21.38	21.41	21.37	23.0	0.0	
40	QPSK	216	0	21.36	21.44	21.33			
40	16QAM	1	1	21.33	21.37	21.28	23.0	0.0	
40	64QAM	1	1	20.32	20.42	20.37	22.0	1.0	
40	256QAM	1	1	19.07	19.13	19.06	23.0	3.0	
Channel				372000	374500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1892.5	1900			
30	QPSK	1	1	21.42	21.47	21.35	23.0	0.0	
Channel				372500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1892.5	1892.5			
25	QPSK	1	1	21.35	21.41	21.39	23.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1890	1892.5	1900			
20	QPSK	1	1	21.39	21.43	21.33	23.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1892.5	1907.5			
15	QPSK	1	1	21.34	21.40	21.34	23.0	0.0	
Channel				371000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1892.5	1910			
10	QPSK	1	1	21.45	21.49	21.36	23.0	0.0	
Channel				370500	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1892.5	1892.5			
5	QPSK	1	1	21.38	21.43	21.38	23.0	0.0	

n26 Default Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.07	22.11	22.02			
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0	
20	PI2 BPSK	1	104	21.85	21.91	21.80			
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0	0.0	
20	PI2 BPSK	50	28	21.94	22.06	21.94	23.0	0.0	
20	PI2 BPSK	50	56	21.83	21.91	21.81	23.0	0.0	
20	PI2 BPSK	100	0	21.92	22.01	21.95			
20	QPSK	1	1	22.03	22.15	22.04			
20	QPSK	1	53	21.99	22.10	22.07	23.0	0.0	
20	QPSK	1	104	21.91	22.05	21.94			
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0	
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0	
20	QPSK	50	56	21.92	21.99	21.83	23.0	0.0	
20	QPSK	100	0	22.02	22.08	21.94			
20	16QAM	1	1	21.84	21.75	21.69	23.0	0.0	
20	64QAM	1	1	20.86	21.11	21.08	22.0	1.0	
20	256QAM	1	1	19.32	19.41	19.29	23.0	3.0	
Channel				163300	163300	163300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0	
Channel				163800	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	21.95	22.00	21.91	23.0	0.0	

n30 DSI3_Simultaneous Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				461500	462000	462500			
Frequency (MHz)				2307.5	2310	2312.5			
10	PI2 BPSK	1	1						
10	PI2 BPSK	1	26				20.9	0.0	
10	PI2 BPSK	1	50						
10	PI2 BPSK	25	0				20.9	0.0	
10	PI2 BPSK	25	14				20.9	0.0	
10	PI2 BPSK	25	27				20.9	0.0	
10	PI2 BPSK	50	0				20.9	0.0	
10	PI2 BPSK	50	0				20.9	0.0	
10	QPSK	1	1						
10	QPSK	1	26				20.9	0.0	
10	QPSK	1	50						
10	QPSK	25	0				20.9	0.0	
10	QPSK	25	14				20.9	0.0	
10	QPSK	25	27				20.9	0.0	
10	QPSK	50	0				20.9	0.0	
10	16QAM	1	1				20.9	0.0	
10	64QAM	1	1				20.9	0.0	
10	256QAM	1	1				20.9	0.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	19.81	19.76	19.84	20.9	0.0	



n66 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				346000	346000	350000	
Frequency (MHz)				1725	1745	1760	
40	PI2 BPSK	1	1	21.87	21.73	21.61	
40	PI2 BPSK	1	108	21.49	21.61	21.55	22.8
40	PI2 BPSK	1	214	21.58	21.63	21.60	
40	PI2 BPSK	108	0	21.50	21.59	21.48	22.8
40	PI2 BPSK	108	54	21.68	21.70	21.66	22.8
40	PI2 BPSK	108	108	21.50	21.58	21.52	22.8
40	PI2 BPSK	216	0	21.59	21.64	21.52	
40	QPSK	1	1	21.87	21.79	21.74	
40	QPSK	1	108	21.62	21.72	21.63	22.8
40	QPSK	1	214	21.57	21.67	21.54	
40	QPSK	108	0	21.57	21.62	21.57	22.8
40	QPSK	108	54	21.62	21.74	21.60	22.8
40	QPSK	108	108	21.60	21.68	21.55	22.8
40	QPSK	216	0	21.67	21.71	21.64	
40	16QAM	1	1	21.52	21.63	21.52	22.8
40	64QAM	1	1	20.92	20.97	20.93	22.0
40	256QAM	1	1	19.62	19.77	19.65	20.0
Channel				345000	345000	350000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	21.64	21.70	21.60	22.8
Channel				344000	349000	354000	
Frequency (MHz)				1725	1745	1775	
20	QPSK	1	1	21.58	21.67	21.63	22.8
Channel				343000	346000	349000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	21.60	21.73	21.62	22.8
Channel				342000	349000	356000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	21.52	21.71	21.68	22.8

n70 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				346000	346000	350000	
Frequency (MHz)				1725	1745	1760	
15	PI2 BPSK	1	1	21.80			
15	PI2 BPSK	1	40	21.87			23.0
15	PI2 BPSK	1	77	21.82			
15	PI2 BPSK	36	0	21.34			22.5
15	PI2 BPSK	36	22	21.86			23.0
15	PI2 BPSK	36	43	21.26			22.5
15	PI2 BPSK	75	0	21.32			
15	QPSK	1	1	21.95			
15	QPSK	1	40	21.93			23.0
15	QPSK	1	77	21.88			
15	QPSK	36	0	21.35			22.0
15	QPSK	36	22	21.88			23.0
15	QPSK	36	43	21.40			22.0
15	QPSK	75	0	21.32			
15	16QAM	1	1	21.34			22.0
15	64QAM	1	1	19.88			20.5
15	256QAM	1	1	17.62			18.5
Channel				340000	345000	341000	
Frequency (MHz)				1700	1702.5	1705	
10	QPSK	1	1	21.84	21.92	21.81	23.0
Channel				339000	340000	341000	
Frequency (MHz)				1697.5	1702.5	1707.5	
5	QPSK	1	1	21.81	21.88	21.83	23.0



n71 Default Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq	Middle Ch. Freq	High Ch. Freq		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.07	22.18	22.14		
20	PI2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI2 BPSK	1	104	21.91	22.08	21.99		
20	PI2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI2 BPSK	50	58	22.03	22.07	21.98		
20	PI2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.18	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	58	21.91	22.06	21.98	23.0	0.0
20	QPSK	100	0	22.03	22.13	21.95		
20	16QAM	1	1	21.98	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.98	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.43	19.42	20.0	3.0
Channel				134500	136000	137500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	688		
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	136100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				688.5	680.5	690.5		
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 DSI3_Simultaneous 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				516004	516000	519996			
Frequency (MHz)				2500.02	2505	2509.98			
40	PI2 BPSK	1	1	19.32	19.37	19.22			
40	PI2 BPSK	1	53	19.25	19.28	19.25	20.2	0.0	
40	PI2 BPSK	1	104	19.28	19.38	19.33			
40	PI2 BPSK	50	0	19.22	19.35	19.25	20.2	0.0	
40	PI2 BPSK	50	28	19.18	19.28	19.19	20.2	0.0	
40	PI2 BPSK	50	56	19.28	19.39	19.29			
40	PI2 BPSK	100	0	19.13	19.38	19.30	20.2	0.0	
40	QPSK	1	1	19.38	19.55	19.34			
40	QPSK	1	53	19.21	19.28	19.21	20.2	0.0	
40	QPSK	1	104	19.21	19.29	19.19			
40	QPSK	50	0	19.28	19.34	19.27	20.2	0.0	
40	QPSK	50	28	19.30	19.39	19.22	20.2	0.0	
40	QPSK	50	56	19.22	19.32	19.20			
40	QPSK	100	0	19.32	19.39	19.19	20.2	0.0	
40	16QAM	1	1	19.25	19.38	19.22	20.2	0.0	
40	64QAM	1	1	19.24	19.30	19.15	20.2	0.0	
40	256QAM	1	1	19.07	19.15	18.84	19.5	0.7	
Channel				519992	519900	520008			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	19.32	19.51	19.25	20.2	0.0	
Channel				516504	516000	521496			
Frequency (MHz)				2682.83	2695	2697.83			
25	QPSK	1	1	19.32	19.48	19.29	20.2	0.0	
Channel				516000	516000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	19.32	19.51	19.27	20.2	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	19.34	19.47	19.27	20.2	0.0	
Channel				515004	519500	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	19.34	19.50	19.32	20.2	0.0	

n41 DSI3_Simultaneous 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				506002	518598	526600			
Frequency (MHz)				2540.01	2592.99	2640			
100	PI2 BPSK	1	1	18.87	18.98	18.93			
100	PI2 BPSK	1	137	18.78	18.85	18.80	20.2	0.0	
100	PI2 BPSK	1	271	18.85	18.93	18.80			
100	PI2 BPSK	135	0	18.81	18.97	18.88	20.2	0.0	
100	PI2 BPSK	135	69	18.88	18.84	18.70	20.2	0.0	
100	PI2 BPSK	135	138	18.77	18.87	18.80			
100	PI2 BPSK	270	0	18.77	18.92	18.84	20.2	0.0	
100	QPSK	1	1	18.90	19.00	18.93			
100	QPSK	1	137	18.84	18.92	18.87	20.2	0.0	
100	QPSK	1	271	18.81	18.89	18.87			
100	QPSK	135	0	18.83	18.94	18.81	20.2	0.0	
100	QPSK	135	69	18.95	18.98	18.82	20.2	0.0	
100	QPSK	135	138	18.78	18.90	18.76	20.2	0.0	
100	QPSK	270	0	18.78	18.90	18.84	20.2	0.0	
100	16QAM	1	1	18.75	18.92	18.80	20.2	0.0	
100	64QAM	1	1	18.67	18.81	18.76	20.2	0.0	
100	256QAM	1	1	17.45	17.26	17.41	18.5	1.7	
Channel				519992	518598	529998			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	18.78	18.93	18.88	20.2	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2638.03	2692.99	2648.99			
80	QPSK	1	1	18.77	18.97	18.77	20.2	0.0	
Channel				506002	518598	531000			
Frequency (MHz)				2531.01	2592.99	2605			
70	QPSK	1	1	18.74	18.85	18.89	20.2	0.0	
Channel				505000	518598	531996			
Frequency (MHz)				2528	2592.99	2609.98			
60	QPSK	1	1	18.74	18.94	18.78	20.2	0.0	
Channel				504504	518598	532998			
Frequency (MHz)				2521.02	2592.99	2604.99			
50	QPSK	1	1	18.78	18.92	18.80	20.2	0.0	
Channel				503002	518598	534000			
Frequency (MHz)				2516.01	2592.99	2600			
40	QPSK	1	1	18.78	18.83	18.79	20.2	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.85	18.83	18.83	20.2	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	18.88	18.88	18.78	20.2	0.0	



n41 PC2 DSI3_Simultaneous Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				506202	516598	526900	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	2159	2208	2156	
100	PI2 BPSK	1	137	2197	2202	2200	23.2
100	PI2 BPSK	1	271	2180	2191	2180	
100	PI2 BPSK	135	0	2183	2195	2187	23.2
100	PI2 BPSK	135	69	2186	2204	2200	23.2
100	PI2 BPSK	135	138	2194	2200	2192	
100	PI2 BPSK	270	0	2185	2200	2188	23.2
100	QPSK	1	1	2201	2210	2193	
100	QPSK	1	197	2196	2203	2190	23.2
100	QPSK	1	211	2183	2199	2191	
100	QPSK	135	0	2189	2198	2190	23.2
100	QPSK	135	69	2196	2206	2196	23.2
100	QPSK	135	138	2187	2194	2184	
100	QPSK	270	0	2191	2196	2198	23.2
100	16QAM	1	1	2192	2203	2190	23.2
100	64QAM	1	1	2183	2177	2184	23.2
100	256QAM	1	1	2033	2104	2030	22.0
Channel				506203	516599	526899	Tune-up limit
Frequency (MHz)				2641	2592.99	2644.98	MPR (dB)
90	QPSK	1	1	2188	2196	2190	23.2
Channel				507204	516598	526998	Tune-up limit
Frequency (MHz)				2638.02	2661.98	2664.98	MPR (dB)
80	QPSK	1	1	2195	2196	2190	23.2
Channel				506202	516598	531000	Tune-up limit
Frequency (MHz)				2631.01	2662.99	2655	MPR (dB)
70	QPSK	1	1	2153	2201	2178	23.2
Channel				505200	516598	531998	Tune-up limit
Frequency (MHz)				2626	2662.99	2659.98	MPR (dB)
60	QPSK	1	1	2198	2196	2184	23.2
Channel				505203	516599	532000	Tune-up limit
Frequency (MHz)				2621.02	2662.99	2664.99	MPR (dB)
50	QPSK	1	1	2187	2199	2179	23.2
Channel				505202	516598	534000	Tune-up limit
Frequency (MHz)				2618.01	2662.99	2670	MPR (dB)
40	QPSK	1	1	2196	2205	2188	23.2
Channel				502200	516598	534998	Tune-up limit
Frequency (MHz)				2611	2662.99	2674.98	MPR (dB)
30	QPSK	1	1	2184	2202	2184	23.2
Channel				501203	516599	535998	Tune-up limit
Frequency (MHz)				2606.02	2662.99	2676.99	MPR (dB)
20	QPSK	1	1	2197	2202	2176	23.2

n48 Part96 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				636000	641666	646332	
Frequency (MHz)				3670	3624.99	3679.98	
40	PI2 BPSK	1	1	2305	2305	2303	
40	PI2 BPSK	1	53	2303	2302	2305	24.0
40	PI2 BPSK	1	104	2349	2352	2345	
40	PI2 BPSK	50	0	2328	2335	2323	23.5
40	PI2 BPSK	50	26	2303	2307	2306	24.0
40	PI2 BPSK	50	66	2314	2318	2314	
40	PI2 BPSK	100	0	2314	2322	2322	23.5
40	QPSK	1	1	2305	2313	2306	
40	QPSK	1	53	2304	2302	2300	24.0
40	QPSK	1	104	2341	2302	2301	
40	QPSK	50	0	2265	2262	2264	23.0
40	QPSK	50	26	2300	2310	2307	24.0
40	QPSK	50	56	2257	2269	2264	23.0
40	QPSK	100	0	2263	2262	2271	23.0
40	16QAM	1	1	2258	2267	2258	23.0
40	64QAM	1	1	2103	2118	2109	21.5
40	256QAM	1	1	1617	1638	1626	19.5
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3665.02	3624.99	3684.98	MPR (dB)
30	QPSK	1	1	2316	2322	2303	24.0
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3660.03	3624.99	3680	MPR (dB)
20	QPSK	1	1	2316	2319	2305	24.0
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3655	3624.99	3684.98	MPR (dB)
10	QPSK	1	1	2316	2325	2305	24.0



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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)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.79	22.90	22.78		
100	Pl2 BPSK	1	137	22.68	22.75	22.82	24.0	0.0
100	Pl2 BPSK	1	271	22.83	22.78	22.65		
100	Pl2 BPSK	135	0	22.27	22.32	22.26	23.5	0.5
100	Pl2 BPSK	135	69	22.76	22.86	22.78	24.0	0.0
100	Pl2 BPSK	135	138	22.34	22.36	22.19	23.5	0.5
100	Pl2 BPSK	270	0	22.34	22.37	22.35		
100	QPSK	1	1	22.89	22.95	22.89		
100	QPSK	1	137	22.89	22.84	22.81	24.0	0.0
100	QPSK	1	271	22.68	22.76	22.67		
100	QPSK	135	0	21.90	22.10	22.00	23.0	1.0
100	QPSK	135	69	22.73	22.81	22.78	24.0	0.0
100	QPSK	135	138	21.89	22.11	21.94	23.0	1.0
100	QPSK	270	0	22.01	22.02	21.93		
100	16QAM	1	1	21.95	21.98	21.83	23.0	1.0
100	64QAM	1	1	20.32	20.40	20.38	21.5	2.5
100	256QAM	1	1	18.58	18.72	18.68	19.5	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.78	22.87	22.86	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	22.73	22.88	22.72	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.78	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000		
40	QPSK	1	1	22.84	22.91	22.83	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3965.01		
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)				647160	650000	654834		
15	QPSK	1	1	22.84	22.88	22.79	24.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.92	22.92	22.78	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.78	25.79	25.78		
100	Pl2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0
100	Pl2 BPSK	1	271	25.86	25.72	25.56		
100	Pl2 BPSK	135	0	25.84	25.59	25.61	27.0	0.0
100	Pl2 BPSK	135	69	25.86	25.79	25.81	27.0	0.0
100	Pl2 BPSK	135	138	25.83	25.70	25.86	27.0	0.0
100	Pl2 BPSK	270	0	25.58	25.76	25.63		
100	QPSK	1	1	25.85	25.96	25.83		
100	QPSK	1	137	25.81	25.75	25.75	27.0	0.0
100	QPSK	1	271	25.59	25.75	25.71		
100	QPSK	135	0	25.24	25.38	25.40	26.5	0.5
100	QPSK	135	69	25.84	25.88	25.81	27.0	0.0
100	QPSK	135	138	25.12	25.33	25.15	26.5	0.5
100	QPSK	270	0	25.26	25.38	25.24		
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5
100	64QAM	1	1	23.83	23.75	23.52	25.0	2.0
100	256QAM	1	1	21.00	21.98	21.77	23.0	4.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0
Channel								
Frequency (MHz)				648334	650000	652668		
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650334		
60	QPSK	1	1	25.70	25.87	25.69	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	654000		
40	QPSK	1	1	25.79	25.80	25.87	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3965.01		
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.88	25.92	25.75	27.0	0.0
Channel								
Frequency (MHz)				647160	650000	654834		
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	25.90	25.87	25.72	27.0	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)						3500.01		
100	Pl2 BPSK	1	1			22.41		
100	Pl2 BPSK	1	137			23.32	24.0	0.0
100	Pl2 BPSK	1	271			23.26		
100	Pl2 BPSK	135	0			22.88	23.5	0.5
100	Pl2 BPSK	135	69			23.08	24.0	0.0
100	Pl2 BPSK	135	138			22.81	23.5	0.5
100	Pl2 BPSK	270	0			22.74		
100	QPSK	1	1			23.45		
100	QPSK	1	137			23.30	24.0	0.0
100	QPSK	1	271			23.35		
100	QPSK	135	0			23.43	23.0	1.0
100	QPSK	135	69			23.22	24.0	0.0
100	QPSK	135	138			22.55	23.0	1.0
100	QPSK	270	0			22.53		
100	16QAM	1	1			22.15	21.5	2.5
100	64QAM	1	1			20.84	19.5	4.5
100	256QAM	1	1			18.96	18.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	23.29	23.30	23.29	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	23.29	23.39	23.29	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	23.34	23.38	23.34	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000		
50	QPSK	1	1	23.31	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	23.32	23.29	23.33	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	3465	3500.01	3535.02	24.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000		
20	QPSK	1	1	23.35	23.34	23.36	24.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334		
15	QPSK	1	1	23.40	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)				630000	633334	636668		
10	QPSK	1	1	23.35	23.32	23.41	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	26.54	3500.01			
100	PI2 BPSK	1	137	26.32			27.0	0.0
100	PI2 BPSK	1	271	26.51				
100	PI2 BPSK	135	0	26.34			27.0	0.0
100	PI2 BPSK	135	69	26.44			27.0	0.0
100	PI2 BPSK	135	138	26.18			27.0	0.0
100	PI2 BPSK	270	0	26.27				
100	QPSK	1	1	26.60				
100	QPSK	1	137	26.36			27.0	0.0
100	QPSK	1	271	26.35				
100	QPSK	135	0	26.58			26.5	0.5
100	QPSK	135	69	26.42			27.0	0.0
100	QPSK	135	138	25.90			26.5	0.5
100	QPSK	270	0	26.15				
100	16QAM	1	1	26.02			26.5	0.5
100	64QAM	1	1	24.61			25.0	2.0
100	256QAM	1	1	22.46			23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.47	26.46	26.58	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.48	26.58	26.53	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.50	26.51	26.49	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.56	26.47	26.56	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.48	26.45	26.43	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.54	26.51	26.51	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.56	26.52	26.53	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.58	26.57	26.56	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.57	26.58	26.54	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.50	26.45	26.55	27.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		22.90			
100	PI2 BPSK	1	137		22.85		24.0	0.0
100	PI2 BPSK	1	271		22.81			
100	PI2 BPSK	135	0		22.33		23.5	0.5
100	PI2 BPSK	135	69		22.86		24.0	0.0
100	PI2 BPSK	135	138		22.32		23.5	0.5
100	PI2 BPSK	270	0		22.40			
100	QPSK	1	1		22.91		24.0	0.0
100	QPSK	1	137		22.82			
100	QPSK	1	271		22.72			
100	QPSK	135	0		22.05		23.0	1.0
100	QPSK	135	69		22.82		24.0	0.0
100	QPSK	135	138		21.90		23.0	1.0
100	QPSK	270	0		21.93			
100	16QAM	1	1		21.71		21.5	2.5
100	64QAM	1	1		20.36		19.5	4.5
100	256QAM	1	1		18.03		17.5	4.5
Channel								
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01	24.0	0.0
Channel								
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.88	22.85	22.86	24.0	0.0
Channel								
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.83	22.80	22.82	24.0	0.0
Channel								
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.87	22.78	22.86	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3750	3750.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.77	22.77	22.87	24.0	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.84	22.80	22.77	24.0	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	24.0	0.0
Channel								
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.80	22.84	22.85	24.0	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.77	22.79	22.84	24.0	0.0
Channel								
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.90	22.75	22.86	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		25.90			
100	PI2 BPSK	1	137		25.74		27.0	0.0
100	PI2 BPSK	1	271		25.70			
100	PI2 BPSK	135	0		25.79		27.0	0.0
100	PI2 BPSK	135	69		25.87		27.0	0.0
100	PI2 BPSK	135	138		25.75		27.0	0.0
100	PI2 BPSK	270	0		25.78			
100	QPSK	1	1		25.94		27.0	0.0
100	QPSK	1	137		25.86			
100	QPSK	1	271		25.89			
100	QPSK	135	0		25.64		26.5	0.5
100	QPSK	135	69		25.88		27.0	0.0
100	QPSK	135	138		25.40		26.5	0.5
100	QPSK	270	0		25.92			
100	16QAM	1	1		25.40		25.0	0.5
100	64QAM	1	1		23.91		23.0	2.0
100	256QAM	1	1		22.07		22.0	4.0
Channel								
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01	27.0	0.0
Channel								
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	25.91	25.90	25.91	27.0	0.0
Channel								
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	25.88	25.79	25.82	27.0	0.0
Channel								
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	25.85	25.80	25.78	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3750	3750.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	25.77	25.78	25.84	27.0	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	25.80	25.80	25.79	27.0	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	27.0	0.0
Channel								
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	25.86	25.89	25.78	27.0	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	25.77	25.91	25.88	27.0	0.0
Channel								
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	25.83	25.87	25.87	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		23.30			
100	PI2 BPSK	1	137		23.29		24.0	0.0
100	PI2 BPSK	1	271		23.46			
100	PI2 BPSK	135	0		23.09		23.5	0.5
100	PI2 BPSK	135	69		23.33		24.0	0.0
100	PI2 BPSK	135	138		22.99		23.5	0.5
100	PI2 BPSK	270	0		23.12			
100	QPSK	1	1		23.41		24.0	0.0
100	QPSK	1	137		23.19			
100	QPSK	1	271		23.35			
100	QPSK	135	0		22.71		23.0	1.0
100	QPSK	135	69		23.40		24.0	0.0
100	QPSK	135	138		22.81		23.0	1.0
100	QPSK	270	0		22.96			
100	16QAM	1	1		22.37		21.5	2.5
100	64QAM	1	1		21.25		19.5	4.5
100	256QAM	1	1		18.31		17.5	4.5
Channel								
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	23.28	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	23.34	23.39	23.25	24.0	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.32	23.34	23.39	24.0	0.0
Channel								
Frequency (MHz)				3490	3500.01	3510.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.35	23.33	23.32	24.0	0.0
Channel								
Frequency (MHz)				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.27	23.26	23.39	24.0	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3485.01	3500.01	3515.01	24.0	0.0
Channel								
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.33	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.28	23.31	23.26	24.0	0.0
Channel								
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.25	23.25	23.25	24.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		26.43			
100	PI2 BPSK	1	271		26.12		27.0	0.0
100	PI2 BPSK	1	271		26.39			
100	PI2 BPSK	135	0		26.23		27.0	0.0
100	PI2 BPSK	135	69		26.00		27.0	0.0
100	PI2 BPSK	135	138		26.12		27.0	0.0
100	PI2 BPSK	270	0		25.96			
100	QPSK	1	1		26.51			
100	QPSK	1	137		26.27		27.0	0.0
100	QPSK	1	271		26.40			
100	QPSK	135	0		26.81		26.5	0.5
100	QPSK	135	69		26.30		27.0	0.0
100	QPSK	135	138		25.89		26.5	0.5
100	QPSK	270	0		25.95			
100	16QAM	1	1		25.76		26.5	0.5
100	64QAM	1	1		24.17		25.0	2.0
100	256QAM	1	1		22.12		23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	26.47	26.36	26.41	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	63668	63334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	26.41	26.40	26.45	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.47	26.41	26.37	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	26.35	26.37	26.47	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	26.49	26.48	26.48	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
				3478.01	3500.01	3528.01		
40	QPSK	1	1	26.41	26.43	26.47	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	26.34	26.47	26.42	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	26.47	26.44	26.41	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63030	63334	63618	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.5		
15	QPSK	1	1	26.45	26.49	26.47	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3543.01		
10	QPSK	1	1	26.36	26.47	26.43	27.0	0.0



n2 DSI3_Simultaneous Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	20.55	20.52	20.51	21.9	0.0
20	PI2 BPSK	1	53	20.37	20.59	20.26		
20	PI2 BPSK	1	104	20.32	20.47	20.16		
20	PI2 BPSK	50	0	20.31	20.45	20.13	21.9	0.0
20	PI2 BPSK	50	28	20.23	20.49	20.22	21.9	0.0
20	PI2 BPSK	50	56	20.25	20.37	20.25	21.9	0.0
20	PI2 BPSK	100	0	20.37	20.36	20.31	21.9	0.0
20	QPSK	1	1	20.38	20.55	20.46		
20	QPSK	1	53	20.47	20.62	20.46		
20	QPSK	1	104	20.31	20.48	20.29	21.9	0.0
20	QPSK	50	0	20.44	20.44	20.24		
20	QPSK	50	28	20.36	20.46	20.37		
20	QPSK	50	56	20.37	20.36	20.39	21.9	0.0
20	QPSK	100	0	20.36	20.43	20.42	21.9	0.0
20	16QAM	1	1	20.17	20.34	20.13		
20	16QAM	1	1	20.43	20.50	20.57		
20	256QAM	1	1	18.54	18.01	18.48	23.0	1.9
Channel				373500	378000	382500		
Frequency (MHz)				1897.5	1880	1902.5		
15	QPSK	1	1	20.24	20.42	20.34	21.9	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1865	1880	1895		
10	QPSK	1	1	20.14	20.39	20.19	21.9	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1860	1872.5		
5	QPSK	1	1	20.07	20.08	20.21	21.9	0.0

n5 Default Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.58	22.62	22.53	24.0	0.0
20	PI2 BPSK	1	53	22.42	22.53	22.49		
20	PI2 BPSK	1	104	22.38	22.46	22.34		
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0
20	PI2 BPSK	100	0	22.44	22.50	22.48	24.0	0.0
20	QPSK	1	1	22.61	22.65	22.59		
20	QPSK	1	53	22.45	22.56	22.42		
20	QPSK	1	104	22.43	22.48	22.34	24.0	0.0
20	QPSK	50	0	22.47	22.57	22.51		
20	QPSK	50	28	22.55	22.62	22.57		
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0
20	QPSK	100	0	22.47	22.56	22.51	24.0	0.0
20	16QAM	1	1	22.34	22.41	22.28		
20	16QAM	1	1	22.27	22.38	22.25		
20	256QAM	1	1	21.71	21.81	21.73	23.0	1.0
Channel				167300	167800	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0
Channel				166800	167300	168300		
Frequency (MHz)				836	836.5	844		
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0
Channel				166300	167300	168300		
Frequency (MHz)				830.5	836.5	843.5		
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0

n7 DSI3_Simultaneous Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				506000	507000	510000		
Frequency (MHz)				2530	2535	2550		
40	PI2 BPSK	1	1	14.47	14.54	14.44	15.6	0.0
40	PI2 BPSK	1	108	14.36	14.48	14.32		
40	PI2 BPSK	1	214	14.50	14.55	14.41		
40	PI2 BPSK	108	0	14.47	14.52	14.45	15.6	0.0
40	PI2 BPSK	108	54	14.38	14.44	14.32	15.6	0.0
40	PI2 BPSK	108	108	14.41	14.47	14.31	15.6	0.0
40	PI2 BPSK	216	0	14.52	14.58	14.52	15.6	0.0
40	QPSK	1	1	14.51	14.60	14.47		
40	QPSK	1	108	14.37	14.47	14.36		
40	QPSK	1	214	14.48	14.58	14.43	15.6	0.0
40	QPSK	108	0	14.42	14.47	14.44		
40	QPSK	108	54	14.42	14.56	14.54		
40	QPSK	108	108	14.44	14.46	14.42	15.6	0.0
40	QPSK	216	0	14.60	14.53	14.45	15.6	0.0
40	16QAM	1	1	14.44	14.48	14.44		
40	16QAM	1	1	14.28	14.44	14.31		
40	256QAM	1	1	14.30	14.37	14.26	15.6	0.0
Channel				505000	507000	510000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	14.44	14.44	14.38	15.6	0.0
Channel				502000	507000	511500		
Frequency (MHz)				2512.5	2535	2572.5		
25	QPSK	1	1	14.43	14.56	14.41	15.6	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	14.41	14.53	14.43	15.6	0.0
Channel				501000	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	14.47	14.44	14.39	15.6	0.0
Channel				500000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	14.37	14.47	14.32	15.6	0.0
Channel				500000	507000	513500		
Frequency (MHz)				2502.5	2535	2570		
5	QPSK	1	1	14.39	14.46	14.43	15.6	0.0



n25 DSI3_Simultaneous Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	20.33	20.62	20.66	
40	PI2 BPSK	1	108	20.39	20.30	20.47	21.9
40	PI2 BPSK	1	214	20.29	20.38	20.30	
40	PI2 BPSK	108	0	20.36	20.49	20.41	21.9
40	PI2 BPSK	108	54	20.31	20.84	20.35	21.9
40	PI2 BPSK	108	108	20.41	20.51	20.41	21.9
40	PI2 BPSK	216	0	20.40	20.38	20.35	
40	QPSK	1	1	20.68	20.70	20.62	
40	QPSK	1	108	20.47	20.48	20.56	21.9
40	QPSK	1	214	20.45	20.55	20.49	
40	QPSK	108	0	20.51	20.56	20.53	21.9
40	QPSK	108	54	20.52	20.60	20.51	21.9
40	QPSK	108	108	20.34	20.49	20.41	21.9
40	QPSK	216	0	20.51	20.55	20.39	
40	16QAM	1	1	20.30	20.25	20.27	21.9
40	64QAM	1	1	20.43	20.47	20.35	21.9
40	256QAM	1	1	18.86	18.67	18.60	17.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.48	20.49	20.49	21.9
Channel							
Frequency (MHz)							
25	QPSK	1	1	20.53	20.57	20.32	21.9
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.50	20.39	20.46	21.9
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.45	20.51	20.40	21.9
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.48	20.53	20.46	21.9
Channel							
Frequency (MHz)							
5	QPSK	1	1	20.49	20.49	20.31	21.9

n30 DSI3_Simultaneous Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PI2 BPSK	1	1	14.33			
10	PI2 BPSK	1	26	14.28			15.5
10	PI2 BPSK	1	50	14.30			
10	PI2 BPSK	25	0	14.24			15.5
10	PI2 BPSK	25	14	14.26			15.5
10	PI2 BPSK	25	27	14.39			15.5
10	PI2 BPSK	50	0	14.32			
10	QPSK	1	1	14.37			15.5
10	QPSK	1	26	14.37			
10	QPSK	1	50	14.31			
10	QPSK	25	0	14.35			15.5
10	QPSK	25	14	14.37			15.5
10	QPSK	25	27	14.29			15.5
10	QPSK	50	0	14.35			
10	16QAM	1	1	14.35			15.5
10	64QAM	1	1	14.37			15.5
10	256QAM	1	1	14.25			15.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	14.30	14.32	14.26	15.5

n66 Default Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	22.01	22.11	22.07	
40	PI2 BPSK	1	108	21.97	22.07	21.94	23.0
40	PI2 BPSK	1	214	21.90	21.96	21.82	
40	PI2 BPSK	108	0	21.77	21.90	21.86	23.0
40	PI2 BPSK	108	54	21.84	22.05	22.01	23.0
40	PI2 BPSK	108	108	21.85	21.89	21.82	23.0
40	PI2 BPSK	216	0	21.84	21.95	21.83	
40	QPSK	1	1	22.06	22.18	22.01	
40	QPSK	1	108	22.05	22.12	22.05	23.0
40	QPSK	1	214	22.02	22.07	22.00	
40	QPSK	108	0	21.81	21.93	21.83	23.0
40	QPSK	108	54	21.95	21.99	21.86	23.0
40	QPSK	108	108	21.87	21.93	21.80	23.0
40	QPSK	216	0	21.92	21.95	21.82	
40	16QAM	1	1	21.88	21.91	21.78	23.0
40	64QAM	1	1	20.61	20.73	20.66	22.0
40	256QAM	1	1	19.84	19.43	19.38	20.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	21.96	22.14	21.87	23.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	21.99	22.10	21.90	23.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.00	22.06	21.89	23.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	21.90	22.07	21.88	23.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.01	22.04	21.91	23.0



n70 Default Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel					1702.5			
Frequency (MHz)					1702.5			
15	PI2 BPSK	1	1	22.08			23.0	0.0
15	PI2 BPSK	1	49	21.95				
15	PI2 BPSK	1	77	21.40				
15	PI2 BPSK	36	0	22.03			22.5	0.5
15	PI2 BPSK	36	22	22.06			23.0	0.0
15	PI2 BPSK	36	43	21.38				
15	PI2 BPSK	75	0	21.45			22.5	0.5
15	QPSK	1	1	22.11				
15	QPSK	1	49	22.05			23.0	0.0
15	QPSK	1	77	22.07				
15	QPSK	36	0	21.06			22.0	1.0
15	QPSK	36	22	22.07			23.0	0.0
15	QPSK	36	43	20.56			22.0	1.0
15	QPSK	72	0	21.14				
15	16QAM	1	1	21.18			22.0	1.0
15	64QAM	1	1	19.76			20.5	2.5
15	256QAM	1	1	17.67			18.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.98	22.04	21.97	23.0	0.0
Channel				339500	340000	340500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.97	22.03	22.01	23.0	0.0



n38 DSI3_Simultaneous Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				516004	516000	519996	
Frequency (MHz)				2900.02	2995	2999.98	
40	PI2 BPSK	1	1	13.42	13.55	13.47	
40	PI2 BPSK	1	83	13.42	13.56	13.41	14.7
40	PI2 BPSK	1	104	13.38	13.45	13.35	
40	PI2 BPSK	80	0	13.32	13.49	13.39	14.7
40	PI2 BPSK	50	28	13.37	13.47	13.41	14.7
40	PI2 BPSK	50	56	13.46	13.51	13.54	14.7
40	PI2 BPSK	100	0	13.53	13.54	13.47	0.0
40	QPSK	1	1	13.49	13.69	13.52	
40	QPSK	1	53	13.42	13.55	13.45	14.7
40	QPSK	1	104	13.47	13.50	13.46	
40	QPSK	50	0	13.38	13.44	13.30	14.7
40	QPSK	50	28	13.52	13.55	13.33	14.7
40	QPSK	90	56	13.45	13.49	13.44	14.7
40	QPSK	100	0	13.38	13.41	13.40	0.0
40	16QAM	1	1	13.45	13.56	13.41	14.7
40	64QAM	1	1	13.38	13.50	13.33	14.7
40	256QAM	1	1	13.32	13.43	13.32	0.0
Channel				517002	519000	520998	
Frequency (MHz)				2985.01	2995	2904.99	
30	QPSK	1	1	13.42	13.67	13.48	14.7
Channel				516504	519000	521498	
Frequency (MHz)				2982.82	2995	2907.18	
25	QPSK	1	1	13.43	13.64	13.49	14.7
Channel				516000	519000	522000	
Frequency (MHz)				2990	2995	2910	
20	QPSK	1	1	13.43	13.63	13.49	14.7
Channel				515502	519000	522498	
Frequency (MHz)				2977.51	2995	2912.49	
15	QPSK	1	1	13.44	13.64	13.44	14.7
Channel				515004	519000	522998	
Frequency (MHz)				2975.02	2995	2914.98	
10	QPSK	1	1	13.46	13.61	13.46	14.7

n41 DSI3_Simultaneous Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				506002	518598	528000	
Frequency (MHz)				2546.01	2592.99	2540	
100	PI2 BPSK	1	1	13.46	13.54	13.40	
100	PI2 BPSK	1	137	13.50	13.61	13.57	14.7
100	PI2 BPSK	1	271	13.50	13.67	13.53	
100	PI2 BPSK	135	0	13.54	13.59	13.50	14.7
100	PI2 BPSK	135	69	13.54	13.57	13.50	14.7
100	PI2 BPSK	135	138	13.47	13.54	13.48	14.7
100	PI2 BPSK	270	0	13.56	13.63	13.61	0.0
100	QPSK	1	1	13.57	13.69	13.60	
100	QPSK	1	197	13.56	13.64	13.53	14.7
100	QPSK	1	271	13.45	13.52	13.40	
100	QPSK	135	0	13.53	13.59	13.47	14.7
100	QPSK	135	69	13.57	13.63	13.53	14.7
100	QPSK	135	138	13.44	13.57	13.44	14.7
100	QPSK	270	0	13.53	13.59	13.50	14.7
100	16QAM	1	1	13.54	13.59	13.43	14.7
100	64QAM	1	1	13.48	13.53	13.36	14.7
100	256QAM	1	1	13.34	13.45	13.34	0.0
Channel				505000	518598	526998	
Frequency (MHz)				2541	2592.99	2544.98	
90	QPSK	1	1	13.47	13.57	13.49	14.7
Channel				507204	518598	529998	
Frequency (MHz)				2638.02	2692.99	2648.99	
80	QPSK	1	1	13.43	13.54	13.48	14.7
Channel				506202	518598	531000	
Frequency (MHz)				2531.01	2692.99	2655	
70	QPSK	1	1	13.52	13.62	13.44	14.7
Channel				505200	518598	531998	
Frequency (MHz)				2526	2692.99	2659.98	
60	QPSK	1	1	13.51	13.59	13.47	14.7
Channel				504204	518598	532998	
Frequency (MHz)				2521.02	2692.99	2664.99	
50	QPSK	1	1	13.53	13.61	13.47	14.7
Channel				503202	518598	534000	
Frequency (MHz)				2516.01	2692.99	2670	
40	QPSK	1	1	13.51	13.53	13.44	14.7
Channel				502200	518598	534998	
Frequency (MHz)				2511	2692.99	2674.98	
30	QPSK	1	1	13.41	13.40	13.45	14.7
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2692.99	2679.99	
20	QPSK	1	1	13.45	13.53	13.53	14.7



n41 PC2 DSI3_Simultaneous Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	16.37	16.51	16.37			
100	PI2 BPSK	1	137	16.34	16.48	16.42	17.7	0.0	
100	PI2 BPSK	1	271	16.33	16.42	16.38			
100	PI2 BPSK	135	0	16.41	16.51	16.37	17.7	0.0	
100	PI2 BPSK	135	69	16.39	16.44	16.37	17.7	0.0	
100	PI2 BPSK	135	138	16.42	16.47	16.36	17.7	0.0	
100	PI2 BPSK	270	0	16.47	16.53	16.41			
100	QPSK	1	1	16.46	16.55	16.38			
100	QPSK	1	137	16.32	16.45	16.38	17.7	0.0	
100	QPSK	1	271	16.30	16.42	16.38			
100	QPSK	135	0	16.46	16.50	16.41	17.7	0.0	
100	QPSK	135	69	16.40	16.52	16.42	17.7	0.0	
100	QPSK	135	138	16.46	16.49	16.42	17.7	0.0	
100	QPSK	270	0	16.35	16.42	16.32			
100	16QAM	1	1	16.43	16.52	16.40	17.7	0.0	
100	16QAM	1	1	16.23	16.40	16.27	17.7	0.0	
100	256QAM	1	1	16.29	16.36	16.32	17.7	0.0	
Channel				506203	518599	528000	Tune-up limit	MPR	
Frequency (MHz)				2641	2592.99	2644.98			
80	QPSK	1	1	16.41	16.51	16.23	17.7	0.0	
Channel				507204	518598	528000	Tune-up limit	MPR	
Frequency (MHz)				2628.02	2592.99	2640.98			
80	QPSK	1	1	16.36	16.39	16.34	17.7	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	16.39	16.52	16.39	17.7	0.0	
Channel				505200	518598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	16.41	16.39	16.21	17.7	0.0	
Channel				2521.02	2592.99	2654.99	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2654.99			
50	QPSK	1	1	16.29	16.38	16.28	17.7	0.0	
Channel				505202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	16.36	16.45	16.26	17.7	0.0	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.40	16.40	16.23	17.7	0.0	
Channel				505204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.42	16.52	16.26	17.7	0.0	

n48 Part96 DSI3_Simultaneous Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	15.35	15.44	15.28			
40	PI2 BPSK	1	53	15.51	15.53	15.42	16.6	0.0	
40	PI2 BPSK	1	104	15.36	15.49	15.37			
40	PI2 BPSK	50	0	15.41	15.49	15.33	16.6	0.0	
40	PI2 BPSK	50	26	15.33	15.40	15.26	16.6	0.0	
40	PI2 BPSK	50	56	15.34	15.47	15.40	16.6	0.0	
40	PI2 BPSK	100	0	15.40	15.46	15.36			
40	QPSK	1	1	15.49	15.54	15.41			
40	QPSK	1	53	15.35	15.41	15.37	16.6	0.0	
40	QPSK	1	104	15.34	15.43	15.34			
40	QPSK	50	0	15.35	15.45	15.35	16.6	0.0	
40	QPSK	50	26	15.45	15.52	15.47	16.6	0.0	
40	QPSK	50	56	15.35	15.44	15.32	16.6	0.0	
40	QPSK	100	0	15.45	15.51	15.38			
40	16QAM	1	1	15.38	15.53	15.41	16.6	0.0	
40	16QAM	1	1	15.32	15.41	15.26	16.6	0.0	
40	256QAM	1	1	15.23	15.38	15.29	16.6	0.0	
Channel				637000	641666	645998	Tune-up limit	MPR	
Frequency (MHz)				3565.02	3624.99	3684.98			
30	QPSK	1	1	15.47	15.42	15.33	16.6	0.0	
Channel				637334	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3560.03	3624.99	3680			
20	QPSK	1	1	15.45	15.43	15.28	16.6	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3555	3624.99	3684.98			
10	QPSK	1	1	15.35	15.49	15.39	16.6	0.0	



Part270 n77 DSI3_Simultaneous Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				3750	3840	3930				
100	PI2 BPSK	1	1	15.51	15.55	15.41				
100	PI2 BPSK	1	137	15.52	15.58	15.45	16.6	0.0		
100	PI2 BPSK	1	271	15.37	15.51	15.37				
100	PI2 BPSK	135	0	15.48	15.58	15.41	16.6	0.0		
100	PI2 BPSK	135	69	15.39	15.51	15.48	16.6	0.0		
100	PI2 BPSK	135	138	15.41	15.54	15.44	16.6	0.0		
100	PI2 BPSK	270	0	15.48	15.51	15.43	16.6	0.0		
100	QPSK	1	1	15.52	15.61	15.57				
100	QPSK	1	137	15.46	15.54	15.44	16.6	0.0		
100	QPSK	1	271	15.38	15.47	15.30				
100	QPSK	135	0	15.46	15.57	15.44	16.6	0.0		
100	QPSK	135	69	15.48	15.58	15.48	16.6	0.0		
100	QPSK	135	138	15.38	15.55	15.43	16.6	0.0		
100	QPSK	270	0	15.40	15.51	15.40	16.6	0.0		
100	16QAM	1	1	15.31	15.50	15.42	16.6	0.0		
100	64QAM	1	1	15.50	15.56	15.42	16.6	0.0		
100	256QAM	1	1	15.27	15.46	15.32	16.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	15.38	15.53	15.40	16.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	15.42	15.57	15.41	16.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	15.41	15.54	15.40	16.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	15.39	15.55	15.36	16.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	15.40	15.52	15.41	16.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	15.42	15.55	15.39	16.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	15.41	15.54	15.38	16.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	15.39	15.52	15.42	16.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	15.41	15.55	15.39	16.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	15.41	15.53	15.42	16.6	0.0		

Part270 n77 PC2 DSI3_Simultaneous Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				3750	3840	3930				
100	PI2 BPSK	1	1	18.38	18.53	18.41				
100	PI2 BPSK	1	137	18.43	18.53	18.41	19.6	0.0		
100	PI2 BPSK	1	271	18.47	18.54	18.46				
100	PI2 BPSK	135	0	18.52	18.61	18.48	19.6	0.0		
100	PI2 BPSK	135	69	18.56	18.61	18.52	19.6	0.0		
100	PI2 BPSK	135	138	18.45	18.49	18.45	19.6	0.0		
100	PI2 BPSK	270	0	18.41	18.54	18.50	19.6	0.0		
100	QPSK	1	1	18.58	18.77	18.51				
100	QPSK	1	137	18.34	18.45	18.33	19.6	0.0		
100	QPSK	1	271	18.35	18.51	18.37				
100	QPSK	135	0	18.38	18.54	18.45	19.6	0.0		
100	QPSK	135	69	18.46	18.65	18.51	19.6	0.0		
100	QPSK	135	138	18.44	18.47	18.41	19.6	0.0		
100	QPSK	270	0	18.45	18.56	18.51	19.6	0.0		
100	16QAM	1	1	18.43	18.56	18.45	19.6	0.0		
100	64QAM	1	1	18.47	18.56	18.55	19.6	0.0		
100	256QAM	1	1	18.30	18.47	18.38	19.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	18.40	18.56	18.27	19.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	18.41	18.54	18.28	19.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	18.42	18.55	18.33	19.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	18.42	18.53	18.27	19.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	18.38	18.52	18.33	19.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	18.40	18.51	18.29	19.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	18.41	18.57	18.32	19.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	18.39	18.52	18.30	19.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	18.40	18.54	18.33	19.6	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	18.37	18.55	18.30	19.6	0.0		

Part270Q n77 DSI3_Simultaneous Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)						3500.01				
100	PI2 BPSK	1	1			15.68				
100	PI2 BPSK	1	137			15.76			16.6	0.0
100	PI2 BPSK	1	271			15.77				
100	PI2 BPSK	135	0			15.86			16.6	0.0
100	PI2 BPSK	135	69			15.81			16.6	0.0
100	PI2 BPSK	135	138			15.82			16.6	0.0
100	PI2 BPSK	270	0			15.88			16.6	0.0
100	QPSK	1	1			15.93				
100	QPSK	1	137			15.76			16.6	0.0
100	QPSK	1	271			15.69				
100	QPSK	135	0			15.78			16.6	0.0
100	QPSK	135	69			15.85			16.6	0.0
100	QPSK	135	138			15.76			16.6	0.0
100	QPSK	270	0			15.75			16.6	0.0
100	16QAM	1	1			15.88			16.6	0.0
100	64QAM	1	1			15.83			16.6	0.0
100	256QAM	1	1			15.74			16.6	0.0
Channel										
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	15.70	15.72	15.62	16.6	0.0		
Channel										
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	15.74	15.69	15.64	16.6	0.0		
Channel										
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	15.71	15.70	15.64	16.6	0.0		
Channel										
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	15.73	15.69	15.64	16.6	0.0		
Channel										
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	15.70	15.68	15.65	16.6	0.0		
Channel										
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	15.70	15.69	15.62	16.6	0.0		
Channel										
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	15.72	15.71	15.63	16.6	0.0		
Channel										
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	15.73	15.68	15.65	16.6	0.0		
Channel										
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	15.75	15.68	15.63	16.6	0.0		
Channel										
Frequency (MHz)				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	15.73	15.73	15.67	16.6	0.0		



Part27Q n77 PC2 DSI3_Simultaneous Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		18.81			
100	PI2 BPSK	1	271		18.87		19.6	0.0
100	PI2 BPSK	135	0		18.81			0.0
100	PI2 BPSK	135	69		18.80		19.6	0.0
100	PI2 BPSK	135	138		18.83			0.0
100	PI2 BPSK	270	0		18.80		19.6	0.0
100	QPSK	1	1		18.95			
100	QPSK	1	137		18.81		19.6	0.0
100	QPSK	1	271		18.83			
100	QPSK	135	0		18.81		19.6	0.0
100	QPSK	135	69		18.89		19.6	0.0
100	QPSK	135	138		18.85		19.6	0.0
100	QPSK	270	0		18.91			
100	16QAM	1	1		18.79		19.6	0.0
100	64QAM	1	1		18.81		19.6	0.0
100	256QAM	1	1		18.80		19.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit	MPR
				3495	3500.01	3505.02	(dBm)	(dB)
				18.79	18.82	18.86	19.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit	MPR
				3498.02	3503.03	3508	(dBm)	(dB)
				18.80	18.82	18.84	19.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit	MPR
				3485.01	3500.01	3515.01	(dBm)	(dB)
				18.76	18.78	18.87	19.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit	MPR
				3480	3500.01	3520.02	(dBm)	(dB)
				18.78	18.82	18.88	19.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit	MPR
				3475.02	3500.01	3525	(dBm)	(dB)
				18.80	18.80	18.83	19.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit	MPR
				3470.01	3500.01	3530.01	(dBm)	(dB)
				18.78	18.80	18.84	19.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit	MPR
				3465	3500.01	3535.02	(dBm)	(dB)
				18.80	18.85	18.85	19.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit	MPR
				3460.02	3500.01	3540	(dBm)	(dB)
				18.76	18.81	18.87	19.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit	MPR
				3457.5	3500.01	3542.50	(dBm)	(dB)
				18.78	18.81	18.83	19.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit	MPR
				3452.01	3500.01	3542.01	(dBm)	(dB)
				18.80	18.83	18.84	19.6	0.0



Part270 n78 DSI3_Simultaneous Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3750	3750	3750				
Frequency (MHz)										
100	PI2 BPSK	1	1	14.73						
100	PI2 BPSK	1	137	14.80			18.6	0.0		
100	PI2 BPSK	1	271	14.73						
100	PI2 BPSK	135	0	14.73			18.6	0.0		
100	PI2 BPSK	135	69	14.84			18.6	0.0		
100	PI2 BPSK	135	138	14.73			18.6	0.0		
100	PI2 BPSK	270	0	14.70			18.6	0.0		
100	QPSK	1	1	14.87						
100	QPSK	1	137	14.86			18.6	0.0		
100	QPSK	1	271	14.71						
100	QPSK	135	0	14.74			18.6	0.0		
100	QPSK	135	69	14.85			18.6	0.0		
100	QPSK	135	138	14.80			18.6	0.0		
100	QPSK	270	0	14.72			18.6	0.0		
100	16QAM	1	1	14.81			18.6	0.0		
100	64QAM	1	1	14.78			18.6	0.0		
100	256QAM	1	1	14.01			18.6	0.0		
Channel				64988	65000	65034	Tune-up limit	MPR		
Frequency (MHz)										
90	QPSK	1	1	14.74	14.75	14.76	18.6	0.0		
Channel				64934	65000	65068	Tune-up limit	MPR		
Frequency (MHz)										
80	QPSK	1	1	14.73	14.73	14.75	18.6	0.0		
Channel				64900	65000	65100	Tune-up limit	MPR		
Frequency (MHz)										
70	QPSK	1	1	14.76	14.75	14.72	18.6	0.0		
Channel				64868	65000	65134	Tune-up limit	MPR		
Frequency (MHz)										
60	QPSK	1	1	14.78	14.77	14.74	18.6	0.0		
Channel				64802	65000	65161	Tune-up limit	MPR		
Frequency (MHz)										
50	QPSK	1	1	14.76	14.73	14.75	18.6	0.0		
Channel				64800	65000	65000	Tune-up limit	MPR		
Frequency (MHz)										
40	QPSK	1	1	14.77	14.74	14.74	18.6	0.0		
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)										
30	QPSK	1	1	14.72	14.73	14.70	18.6	0.0		
Channel				64734	65000	65266	Tune-up limit	MPR		
Frequency (MHz)										
20	QPSK	1	1	14.78	14.74	14.72	18.6	0.0		
Channel				64760	65000	65264	Tune-up limit	MPR		
Frequency (MHz)										
15	QPSK	1	1	14.78	14.76	14.73	18.6	0.0		
Channel				64700	65000	65300	Tune-up limit	MPR		
Frequency (MHz)										
10	QPSK	1	1	14.77	14.77	14.71	18.6	0.0		

Part270 n78 PC2 DSI3_Simultaneous Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3750	3750	3750				
Frequency (MHz)										
100	PI2 BPSK	1	1	17.98						
100	PI2 BPSK	1	137	17.98			19.6	0.0		
100	PI2 BPSK	1	271	18.02						
100	PI2 BPSK	135	0	18.03			19.6	0.0		
100	PI2 BPSK	135	69	17.99			19.6	0.0		
100	PI2 BPSK	135	138	17.99			19.6	0.0		
100	PI2 BPSK	270	0	17.95			19.6	0.0		
100	QPSK	1	1	18.07						
100	QPSK	1	137	18.04			19.6	0.0		
100	QPSK	1	271	18.05						
100	QPSK	135	0	17.94			19.6	0.0		
100	QPSK	135	69	18.06			19.6	0.0		
100	QPSK	135	138	17.99			19.6	0.0		
100	QPSK	270	0	17.93			19.6	0.0		
100	16QAM	1	1	17.95			19.6	0.0		
100	64QAM	1	1	18.01			19.6	0.0		
100	256QAM	1	1	17.96			19.6	0.0		
Channel				64988	65000	65034	Tune-up limit	MPR		
Frequency (MHz)										
90	QPSK	1	1	17.96	17.94	17.95	19.6	0.0		
Channel				64934	65000	65068	Tune-up limit	MPR		
Frequency (MHz)										
80	QPSK	1	1	17.94	17.99	17.94	19.6	0.0		
Channel				64900	65000	65100	Tune-up limit	MPR		
Frequency (MHz)										
70	QPSK	1	1	17.95	17.90	17.93	19.6	0.0		
Channel				64868	65000	65134	Tune-up limit	MPR		
Frequency (MHz)										
60	QPSK	1	1	17.97	17.90	17.94	19.6	0.0		
Channel				64802	65000	65161	Tune-up limit	MPR		
Frequency (MHz)										
50	QPSK	1	1	17.94	17.91	17.99	19.6	0.0		
Channel				64800	65000	65000	Tune-up limit	MPR		
Frequency (MHz)										
40	QPSK	1	1	17.95	17.93	17.97	19.6	0.0		
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)										
30	QPSK	1	1	17.94	17.96	17.96	19.6	0.0		
Channel				64734	65000	65266	Tune-up limit	MPR		
Frequency (MHz)										
20	QPSK	1	1	17.95	17.92	17.99	19.6	0.0		
Channel				64760	65000	65264	Tune-up limit	MPR		
Frequency (MHz)										
15	QPSK	1	1	17.93	17.92	17.96	19.6	0.0		
Channel				64700	65000	65300	Tune-up limit	MPR		
Frequency (MHz)										
10	QPSK	1	1	17.95	17.91	17.97	19.6	0.0		

Part27Q n78 DSI3_Simultaneous Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3500.01						
Frequency (MHz)										
100	PI2 BPSK	1	1	15.10						
100	PI2 BPSK	1	137	15.06			18.6	0.0		
100	PI2 BPSK	1	271	15.17						
100	PI2 BPSK	135	0	15.15			18.6	0.0		
100	PI2 BPSK	135	69	15.21			18.6	0.0		
100	PI2 BPSK	135	138	15.07			18.6	0.0		
100	PI2 BPSK	270	0	15.20			18.6	0.0		
100	QPSK	1	1	15.23						
100	QPSK	1	137	15.08			18.6	0.0		
100	QPSK	1	271	15.14						
100	QPSK	135	0	15.16			18.6	0.0		
100	QPSK	135	69	15.17			18.6	0.0		
100	QPSK	135	138	15.16			18.6	0.0		
100	QPSK	270	0	15.21			18.6	0.0		
100	16QAM	1	1	15.17			18.6	0.0		
100	64QAM	1	1	15.15			18.6	0.0		
100	256QAM	1	1	15.06			18.6	0.0		
Channel				63300	63354	63368	Tune-up limit	MPR		
Frequency (MHz)										
90	QPSK	1	1	15.14	15.04	15.14	18.6	0.0		
Channel				63268	63334	63400	Tune-up limit	MPR		
Frequency (MHz)										
80	QPSK	1	1	15.18	15.06	15.13	18.6	0.0		
Channel				63234	63334	63434	Tune-up limit	MPR		
Frequency (MHz)										
70	QPSK	1	1	15.17	15.05	15.13	18.6	0.0		
Channel				63200	63334	63468	Tune-up limit	MPR		
Frequency (MHz)										
60	QPSK	1	1	15.14	15.05	15.15	18.6	0.0		
Channel				63166	63334	63502	Tune-up limit	MPR		
Frequency (MHz)										
50	QPSK	1	1	15.13	15.04	15.16	18.6	0.0		
Channel				63134	63334	63534	Tune-up limit	MPR		
Frequency (MHz)										
40	QPSK	1	1	15.14	15.04	15.18	18.6	0.0		
Channel				63100	63334	63568	Tune-up limit	MPR		
Frequency (MHz)										
30	QPSK	1	1	15.15	15.08	15.12	18.6	0.0		
Channel				63068	63334	63602	Tune-up limit	MPR		
Frequency (MHz)										
20	QPSK	1	1	15.18	15.06	15.17	18.6	0.0		
Channel				63030	63334	63636	Tune-up limit	MPR		
Frequency (MHz)										
15	QPSK	1	1	15.19	15.03	15.13	18.6	0.0		
Channel				63034	63334	63634	Tune-up limit	MPR		
Frequency (MHz)										
10	QPSK	1	1	15.16	15.08	15.16	18.6	0.0		



Part27Q n78 PC2 DSI3_Simultaneous Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		18.14			
100	PI2 BPSK	1	271		18.09		19.6	0.0
100	PI2 BPSK	135	0		18.15			
100	PI2 BPSK	135	69		18.08		19.6	0.0
100	PI2 BPSK	135	138		18.14		19.6	0.0
100	PI2 BPSK	270	0		18.13			
100	PI2 BPSK	270	0		18.09		19.6	0.0
100	QPSK	1	1		18.18			
100	QPSK	1	137		18.07			
100	QPSK	1	271		18.12		19.6	0.0
100	QPSK	135	0		18.14		19.6	0.0
100	QPSK	135	69		18.15		19.6	0.0
100	QPSK	135	138		18.11		19.6	0.0
100	QPSK	270	0		18.16			
100	16QAM	1	1		18.06		19.6	0.0
100	64QAM	1	1		18.15		19.6	0.0
100	256QAM	1	1		18.02		19.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				18.17	18.10	18.06	19.6	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3503.03	3510		
				18.15	18.03	18.08	19.6	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				18.11	18.02	18.06	19.6	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				18.10	18.03	18.10	19.6	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				18.16	18.03	18.11	19.6	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3528.01		
				18.13	18.06	18.07	19.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
				18.17	18.07	18.05	19.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				18.12	18.07	18.13	19.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
				18.15	18.05	18.05	19.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
				18.15	18.07	18.03	19.6	0.0



n2 DSI3_Simultaneous Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	20.28	20.44	20.42			
20	PI2 BPSK	1	53	20.43	20.50	20.38	21.7	0.0	
20	PI2 BPSK	1	104	20.46	20.48	20.36			
20	PI2 BPSK	50	0	20.38	20.46	20.43	21.7	0.0	
20	PI2 BPSK	50	28	20.44	20.50	20.39	21.7	0.0	
20	PI2 BPSK	50	56	20.43	20.46	20.33	21.7	0.0	
20	PI2 BPSK	100	0	20.35	20.41	20.38			
20	QPSK	1	1	20.50	20.58	20.46			
20	QPSK	1	53	20.34	20.47	20.38	21.7	0.0	
20	QPSK	1	104	20.37	20.53	20.41			
20	QPSK	50	0	20.28	20.43	20.40	21.7	0.0	
20	QPSK	50	28	20.46	20.53	20.42	21.7	0.0	
20	QPSK	50	56	20.40	20.44	20.30	21.7	0.0	
20	QPSK	100	0	20.40	20.55	20.31			
20	16QAM	1	1	20.46	20.54	20.50	21.7	0.0	
20	64QAM	1	1	20.34	20.49	20.37	21.7	0.0	
20	256QAM	1	1	19.94	20.12	20.08	21.5	0.2	
Channel									
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	20.34	20.42	20.36	21.7	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	20.43	20.56	20.39	21.7	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	20.47	20.49	20.41	21.7	0.0	

n7 DSI3_Simultaneous Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	21.25	21.40	21.32			
40	PI2 BPSK	1	108	21.24	21.36	21.28	22.4	0.0	
40	PI2 BPSK	1	214	21.19	21.32	21.23			
40	PI2 BPSK	108	0	21.36	21.41	21.29	22.4	0.0	
40	PI2 BPSK	108	54	21.31	21.44	21.34	22.4	0.0	
40	PI2 BPSK	108	108	21.29	21.46	21.32	22.4	0.0	
40	PI2 BPSK	216	0	21.45	21.48	21.39			
40	QPSK	1	1	21.40	20.48	21.34			
40	QPSK	1	108	21.24	21.33	21.30	22.4	0.0	
40	QPSK	1	214	21.00	21.37	21.34			
40	QPSK	108	0	21.23	21.33	21.20	22.4	0.0	
40	QPSK	108	54	21.31	21.45	21.33	22.4	0.0	
40	QPSK	108	108	21.42	21.44	21.36	22.4	0.0	
40	QPSK	216	0	21.07	21.41	21.25			
40	16QAM	1	1	21.21	21.36	21.23	22.4	0.0	
40	64QAM	1	1	21.28	21.43	21.33	22.4	0.0	
40	256QAM	1	1	20.02	20.98	20.86	21.0	1.4	
Channel									
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	21.37	21.38	21.26	22.4	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	21.37	21.37	21.23	22.4	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	21.08	21.35	21.50	22.4	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	21.37	21.42	21.20	22.4	0.0	
Channel									
Frequency (MHz)				501000	5035	2555			
10	QPSK	1	1	21.38	21.44	21.25	22.4	0.0	
Channel									
Frequency (MHz)				500500	507000	512000			
5	QPSK	1	1	21.37	21.41	21.20	22.4	0.0	

n25 DSI3_Simultaneous Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	182.5	1895			
40	PI2 BPSK	1	1	20.52	20.58	20.62			
40	PI2 BPSK	1	108	20.52	20.58	20.47	21.7	0.0	
40	PI2 BPSK	1	214	20.38	20.54	20.45			
40	PI2 BPSK	108	0	20.56	20.63	20.49	21.7	0.0	
40	PI2 BPSK	108	54	20.53	20.61	20.53	21.7	0.0	
40	PI2 BPSK	108	108	20.51	20.63	20.59	21.7	0.0	
40	PI2 BPSK	216	0	20.61	20.68	20.56			
40	QPSK	1	1	20.56	20.71	20.60			
40	QPSK	1	108	20.54	20.57	20.46	21.7	0.0	
40	QPSK	1	214	20.37	20.84	20.47			
40	QPSK	108	0	20.63	20.66	20.62	21.7	0.0	
40	QPSK	108	54	20.60	20.69	20.63	21.7	0.0	
40	QPSK	108	108	20.65	20.68	20.66	21.7	0.0	
40	QPSK	216	0	20.59	20.67	20.57			
40	16QAM	1	1	20.54	20.60	20.50	21.7	0.0	
40	64QAM	1	1	20.54	20.59	20.45	21.7	0.0	
40	256QAM	1	1	20.22	20.38	20.46	21.5	0.2	
Channel									
Frequency (MHz)				1865	182.5	1900			
30	QPSK	1	1	20.54	20.58	20.57	21.7	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	20.43	20.57	20.53	21.7	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	20.40	20.64	20.55	21.7	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	20.43	20.60	20.50	21.7	0.0	
Channel									
Frequency (MHz)				1857.5	182.5	1902.5			
10	QPSK	1	1	20.42	20.54	20.49	21.7	0.0	
Channel									
Frequency (MHz)				372000	376500	382000			
5	QPSK	1	1	20.42	20.69	20.52	21.7	0.0	



n30 DSI3_Simultaneous Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				2310			
10	PI2 BPSK	1	1	21.02			22.2
10	PI2 BPSK	1	26	21.08			
10	PI2 BPSK	1	50	20.97			
10	PI2 BPSK	25	0	21.07			22.2
10	PI2 BPSK	25	14	21.01			22.2
10	PI2 BPSK	25	27	21.06			22.2
10	PI2 BPSK	50	0	21.08			22.2
10	QPSK	1	1	21.11			
10	QPSK	1	26	21.09			22.2
10	QPSK	1	50	20.98			
10	QPSK	25	0	20.95			22.2
10	QPSK	25	14	21.06			22.2
10	QPSK	25	27	20.98			22.2
10	QPSK	50	0	21.03			22.2
10	16QAM	1	1	21.00			22.2
10	16QAM	1	1	21.07			22.2
10	256QAM	1	1	20.20	462500	462500	21.2
Channel				461500	462500	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	MPR (dB)
5	QPSK	1	1	20.86	21.03	20.96	22.2

n66 DSI3_Simultaneous Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				1725	1745	1765	
40	PI2 BPSK	1	1	20.33	20.38	20.23	
40	PI2 BPSK	1	108	20.16	20.30	20.16	21.5
40	PI2 BPSK	1	214	20.23	20.34	20.22	
40	PI2 BPSK	108	0	20.24	20.33	20.22	21.5
40	PI2 BPSK	108	54	20.13	20.28	20.16	21.5
40	PI2 BPSK	108	108	20.25	20.31	20.27	21.5
40	PI2 BPSK	216	0	20.21	20.27	20.11	
40	QPSK	1	1	20.36	20.41	20.29	
40	QPSK	1	108	20.24	20.26	20.21	21.5
40	QPSK	1	214	20.20	20.37	20.31	
40	QPSK	108	0	20.25	20.34	20.31	21.5
40	QPSK	108	54	20.23	20.38	20.24	21.5
40	QPSK	108	108	20.09	20.24	20.08	21.5
40	QPSK	216	0	20.32	20.37	20.35	
40	16QAM	1	1	20.22	20.33	20.26	21.5
40	16QAM	1	1	20.28	20.32	20.25	21.5
40	256QAM	1	1	20.32	20.35	20.33	21.0
Channel				345000	345000	345000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	MPR (dB)
30	QPSK	1	1	20.19	20.24	20.20	21.5
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	MPR (dB)
20	QPSK	1	1	20.20	20.28	20.25	21.5
Channel				343000	348000	353000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	MPR (dB)
15	QPSK	1	1	20.21	20.23	20.25	21.5
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	MPR (dB)
10	QPSK	1	1	20.34	20.35	20.13	21.5
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	MPR (dB)
5	QPSK	1	1	20.25	20.28	20.25	21.5

n70 DSI3_Simultaneous Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				1702.5			
15	PI2 BPSK	1	1	20.32			
15	PI2 BPSK	1	40	20.28			21.7
15	PI2 BPSK	1	77	20.42			
15	PI2 BPSK	36	0	20.20			21.7
15	PI2 BPSK	36	22	20.27			21.7
15	PI2 BPSK	36	43	20.30			21.7
15	PI2 BPSK	75	0	20.34			21.7
15	QPSK	1	1	20.47			
15	QPSK	1	40	20.44			21.7
15	QPSK	1	77	20.36			
15	QPSK	36	0	20.40			21.7
15	QPSK	36	22	20.41			21.7
15	QPSK	36	43	20.33			21.7
15	QPSK	75	0	20.33			21.7
15	16QAM	1	1	20.36			21.7
15	16QAM	1	1	20.31			21.5
15	256QAM	1	1	19.15	345000	345000	19.5
Channel				345000	345000	345000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	MPR (dB)
10	QPSK	1	1	20.28	20.36	20.25	21.7
Channel				339500	345000	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	MPR (dB)
5	QPSK	1	1	20.20	20.28	20.19	21.7



n38 DSI3_Simultaneous Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2500.02	2505	2509.98		
40	PI2 BPSK	1	1	21.01	21.14	21.11		
40	PI2 BPSK	1	83	21.19	21.26	21.15	22.2	0.0
40	PI2 BPSK	1	104	21.04	21.18	21.08		
40	PI2 BPSK	80	0	21.06	21.22	21.14	22.2	0.0
40	PI2 BPSK	50	28	21.06	21.27	21.13	22.2	0.0
40	PI2 BPSK	50	56	21.01	21.12	21.03		
40	PI2 BPSK	100	0	21.24	21.24	21.19	22.2	0.0
40	QPSK	1	1	21.15	21.27	21.14		
40	QPSK	1	83	21.01	21.16	21.06	22.2	0.0
40	QPSK	1	104	21.23	21.23	21.16		
40	QPSK	50	0	20.97	21.20	21.05	22.2	0.0
40	QPSK	50	28	21.15	21.25	21.15	22.2	0.0
40	QPSK	80	56	21.08	21.22	21.11	22.2	0.0
40	QPSK	100	0	21.19	21.29	21.12		
40	16QAM	1	1	21.16	21.18	21.16	22.2	0.0
40	64QAM	1	1	21.03	21.19	21.02	22.2	0.0
40	256QAM	1	1	20.42	20.45	20.30	20.5	1.7
Channel				519002	519000	520008		
Frequency (MHz)				2585.01	2585	2604.99		
30	QPSK	1	1	21.07	21.24	21.08	22.2	0.0
Channel				518004	519000	521496		
Frequency (MHz)				2682.82	2685	2697.88		
25	QPSK	1	1	21.06	21.24	21.11	22.2	0.0
Channel				516000	516000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	21.13	21.23	21.10	22.2	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2585	2612.49		
15	QPSK	1	1	21.10	21.18	21.05	22.2	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2585	2614.98		
10	QPSK	1	1	21.13	21.21	21.06	22.2	0.0

n41 DSI3_Simultaneous Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	528000		
Frequency (MHz)				2546.01	2552.99	2540		
100	PI2 BPSK	1	1	20.74	20.80	20.70		
100	PI2 BPSK	1	137	20.74	20.78	20.75	22.2	0.0
100	PI2 BPSK	1	271	20.85	20.89	20.88		
100	PI2 BPSK	135	0	20.73	20.82	20.79	22.2	0.0
100	PI2 BPSK	135	69	20.74	20.78	20.83	22.2	0.0
100	PI2 BPSK	135	138	20.77	20.80	20.77		
100	PI2 BPSK	270	0	20.78	20.80	20.68	22.2	0.0
100	QPSK	1	1	20.78	20.92	20.82		
100	QPSK	1	137	20.73	20.86	20.78	22.2	0.0
100	QPSK	1	271	20.74	20.81	20.77		
100	QPSK	135	0	20.70	20.75	20.58	22.2	0.0
100	QPSK	135	69	20.78	20.83	20.71	22.2	0.0
100	QPSK	135	138	20.86	20.82	20.70	22.2	0.0
100	QPSK	270	0	20.74	20.78	20.65	22.2	0.0
100	16QAM	1	1	20.77	20.81	20.78	22.2	0.0
100	64QAM	1	1	20.69	20.81	20.78	21.5	0.7
100	256QAM	1	1	18.82	18.85	18.67	18.5	2.7
Channel				519000	518598	529596		
Frequency (MHz)				2541	2552.99	2644.98		
90	QPSK	1	1	20.69	20.76	20.76	22.2	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2622.99	2648.99		
80	QPSK	1	1	20.71	20.80	20.78	22.2	0.0
Channel				506002	518598	531000		
Frequency (MHz)				2531.01	2552.99	2605		
70	QPSK	1	1	20.70	20.78	20.77	22.2	0.0
Channel				505000	518598	531996		
Frequency (MHz)				2526	2552.99	2609.98		
60	QPSK	1	1	20.72	20.84	20.68	22.2	0.0
Channel				504004	518598	532998		
Frequency (MHz)				2521.02	2552.99	2604.99		
50	QPSK	1	1	20.70	20.79	20.70	22.2	0.0
Channel				503002	518598	534000		
Frequency (MHz)				2516.01	2552.99	2600		
40	QPSK	1	1	20.65	20.77	20.73	22.2	0.0
Channel				502000	518598	534996		
Frequency (MHz)				2511	2552.99	2674.98		
30	QPSK	1	1	20.68	20.82	20.73	22.2	0.0
Channel				501004	518598	535998		
Frequency (MHz)				2506.02	2552.99	2678.99		
20	QPSK	1	1	20.71	20.85	20.69	22.2	0.0



n41 PC2 DSI3_Simultaneous Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				506202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	23.81	23.95	23.87	
100	PI2 BPSK	1	137	23.82	23.86	23.73	25.2
100	PI2 BPSK	1	271	23.82	23.92	23.78	
100	PI2 BPSK	135	0	23.76	23.87	23.75	25.2
100	PI2 BPSK	135	69	23.85	23.94	23.92	25.2
100	PI2 BPSK	135	138	23.72	23.83	23.67	25.2
100	PI2 BPSK	270	0	23.85	23.96	23.89	
100	QPSK	1	1	23.94	24.00	23.86	
100	QPSK	1	197	23.84	23.87	23.78	25.2
100	QPSK	1	211	23.84	23.95	23.83	
100	QPSK	135	0	23.74	23.90	23.73	25.2
100	QPSK	135	69	23.80	23.97	23.82	25.2
100	QPSK	135	138	23.92	23.95	23.80	25.2
100	QPSK	270	0	23.74	23.90	23.78	
100	16QAM	1	1	23.72	23.83	23.68	25.2
100	64QAM	1	1	23.72	23.87	23.73	25.0
100	256QAM	1	1	22.98	22.81	22.57	24.0
Channel				506203	518599	528000	Tune-up limit
Frequency (MHz)				2641	2592.99	2644.98	MPR (dB)
90	QPSK	1	1	23.87	23.87	23.80	25.2
Channel				507294	518598	528000	Tune-up limit
Frequency (MHz)				2638.02	2661.98	2684.98	MPR (dB)
80	QPSK	1	1	23.90	23.92	23.73	25.2
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	MPR (dB)
70	QPSK	1	1	23.84	23.91	23.77	25.2
Channel				505200	518598	531998	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	MPR (dB)
60	QPSK	1	1	23.88	23.86	23.73	25.2
Channel				505203	518599	532000	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	MPR (dB)
50	QPSK	1	1	23.80	23.87	23.83	25.2
Channel				505202	518598	534000	Tune-up limit
Frequency (MHz)				2518.01	2592.99	2670	MPR (dB)
40	QPSK	1	1	23.98	23.83	23.74	25.2
Channel				502200	518598	534998	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	MPR (dB)
30	QPSK	1	1	23.81	23.96	23.69	25.2
Channel				501203	518599	535999	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	MPR (dB)
20	QPSK	1	1	23.89	23.97	23.73	25.2

n48 Part96 DSI3_Simultaneous Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				636000	641666	646332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI2 BPSK	1	1	15.11	15.24	15.08	
40	PI2 BPSK	1	53	15.07	15.16	15.02	16.3
40	PI2 BPSK	1	104	15.23	15.27	15.12	
40	PI2 BPSK	50	0	15.15	15.18	15.15	16.3
40	PI2 BPSK	50	26	15.18	15.26	15.09	16.3
40	PI2 BPSK	50	56	15.12	15.16	15.07	16.3
40	PI2 BPSK	100	0	15.10	15.18	15.08	
40	QPSK	1	1	15.26	15.32	15.16	
40	QPSK	1	53	15.12	15.20	15.03	16.3
40	QPSK	1	104	15.17	15.22	15.15	
40	QPSK	50	0	15.07	15.19	15.14	16.3
40	QPSK	50	26	15.14	15.28	15.25	16.3
40	QPSK	50	56	15.22	15.24	15.11	16.3
40	QPSK	100	0	15.20	15.25	15.13	
40	16QAM	1	1	15.09	15.21	15.18	16.3
40	64QAM	1	1	15.15	15.27	15.20	16.3
40	256QAM	1	1	15.07	15.16	15.13	16.3
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.98	MPR (dB)
30	QPSK	1	1	15.17	15.21	15.01	16.3
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3569.03	3624.99	3689	MPR (dB)
20	QPSK	1	1	15.11	15.18	15.00	16.3
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3684.98	MPR (dB)
10	QPSK	1	1	15.22	15.19	15.02	16.3



Part270 n77 DSI3_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.24	16.27	16.18		
100	PI2 BPSK	1	137	16.19	16.25	16.20	17.1	0.0
100	PI2 BPSK	1	271	16.04	16.20	16.12		
100	PI2 BPSK	135	0	16.14	16.20	16.13	17.1	0.0
100	PI2 BPSK	135	69	16.17	16.27	16.16	17.1	0.0
100	PI2 BPSK	135	138	16.16	16.21	16.13	17.1	0.0
100	PI2 BPSK	270	0	16.21	16.25	16.12	17.1	0.0
100	QPSK	1	1	16.15	16.30	16.24		
100	QPSK	1	137	16.08	16.23	16.11	17.1	0.0
100	QPSK	1	271	16.10	16.21	16.11		
100	QPSK	135	0	16.10	16.21	16.18	17.1	0.0
100	QPSK	135	69	16.14	16.27	16.12	17.1	0.0
100	QPSK	135	138	16.09	16.15	15.99	17.1	0.0
100	QPSK	270	0	16.21	16.26	16.15	17.1	0.0
100	16QAM	1	1	16.16	16.26	16.14	17.1	0.0
100	64QAM	1	1	16.01	16.17	16.07	17.1	0.0
100	256QAM	1	1	16.02	16.11	15.96	17.1	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	16.12	16.27	16.21	17.1	0.0
Channel								
Frequency (MHz)				3740.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.08	16.22	16.10	17.1	0.0
Channel								
Frequency (MHz)				3735.02	3840	3925.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.09	16.27	16.08	17.1	0.0
Channel								
Frequency (MHz)				3730.02	3840	3920.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.08	16.15	16.17	17.1	0.0
Channel								
Frequency (MHz)				3725.01	3840	3915.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.00	16.27	16.15	17.1	0.0
Channel								
Frequency (MHz)				3720.01	3840	3910.02	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	16.02	16.28	16.08	17.1	0.0
Channel								
Frequency (MHz)				3715.02	3840	3905.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	16.07	16.20	16.10	17.1	0.0
Channel								
Frequency (MHz)				3710.01	3840	3900.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.11	16.27	16.22	17.1	0.0
Channel								
Frequency (MHz)				3705.02	3840	3895.01	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.02	16.28	16.17	17.1	0.0
Channel								
Frequency (MHz)				3700.01	3840	3890.02	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.08	16.13	16.13	17.1	0.0

Part270 n77 PC2 DSI3_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	19.03	19.15	19.07		
100	PI2 BPSK	1	137	19.02	19.15	19.05	20.1	0.0
100	PI2 BPSK	1	271	19.07	19.20	19.10		
100	PI2 BPSK	135	0	19.03	19.07	18.99	20.1	0.0
100	PI2 BPSK	135	69	19.14	19.20	19.16	20.1	0.0
100	PI2 BPSK	135	138	19.07	19.18	19.07	20.1	0.0
100	PI2 BPSK	270	0	19.02	19.12	19.06	20.1	0.0
100	QPSK	1	1	19.09	19.24	19.16		
100	QPSK	1	137	19.02	19.15	19.08	20.1	0.0
100	QPSK	1	271	19.06	19.08	19.03		
100	QPSK	135	0	19.06	19.10	18.97	20.1	0.0
100	QPSK	135	69	19.08	19.15	19.07	20.1	0.0
100	QPSK	135	138	19.06	19.13	19.07	20.1	0.0
100	QPSK	270	0	19.11	19.20	19.16	20.1	0.0
100	16QAM	1	1	19.07	19.20	19.07	20.1	0.0
100	64QAM	1	1	19.07	19.10	19.20	20.1	0.0
100	256QAM	1	1	19.08	19.08	18.96	20.1	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.08	19.07	19.13	20.1	0.0
Channel								
Frequency (MHz)				3740.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.07	19.13	19.08	20.1	0.0
Channel								
Frequency (MHz)				3735.02	3840	3925.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.08	19.18	19.00	20.1	0.0
Channel								
Frequency (MHz)				3730.02	3840	3920.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.00	19.20	18.99	20.1	0.0
Channel								
Frequency (MHz)				3725.01	3840	3915.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.07	19.18	19.10	20.1	0.0
Channel								
Frequency (MHz)				3720.01	3840	3910.02	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.06	19.08	19.02	20.1	0.0
Channel								
Frequency (MHz)				3715.02	3840	3905.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.08	19.08	19.03	20.1	0.0
Channel								
Frequency (MHz)				3710.01	3840	3900.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.02	19.13	19.04	20.1	0.0
Channel								
Frequency (MHz)				3705.02	3840	3895.01	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.05	19.10	19.13	20.1	0.0
Channel								
Frequency (MHz)				3700.01	3840	3890.02	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.04	19.10	19.08	20.1	0.0

Part27Q n77 DSI3_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			16.28		
100	PI2 BPSK	1	137			16.29	17.1	0.0
100	PI2 BPSK	1	271			16.26		
100	PI2 BPSK	135	0			16.36	17.1	0.0
100	PI2 BPSK	135	69			16.30	17.1	0.0
100	PI2 BPSK	135	138			16.33	17.1	0.0
100	PI2 BPSK	270	0			16.32	17.1	0.0
100	QPSK	1	1			16.42		
100	QPSK	1	137			16.34	17.1	0.0
100	QPSK	1	271			16.32		
100	QPSK	135	0			16.35	17.1	0.0
100	QPSK	135	69			16.38	17.1	0.0
100	QPSK	135	138			16.27	17.1	0.0
100	QPSK	270	0			16.27	17.1	0.0
100	16QAM	1	1			16.37	17.1	0.0
100	64QAM	1	1			16.33	17.1	0.0
100	256QAM	1	1			16.20	17.1	0.0
Channel								
Frequency (MHz)				633000	633500	633968	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	17.1	0.0
Channel								
Frequency (MHz)				632500	633000	633468	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.29	16.34	16.29	17.1	0.0
Channel								
Frequency (MHz)				632000	632500	632968	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.27	16.32	16.32	17.1	0.0
Channel								
Frequency (MHz)				631500	632000	632468	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.32	16.30	16.32	17.1	0.0
Channel								
Frequency (MHz)				631000	631500	631968	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.36	16.34	16.32	17.1	0.0
Channel								
Frequency (MHz)				630500	631000	631468	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	16.31	16.36	16.28	17.1	0.0
Channel								
Frequency (MHz)				630000	630500	630968	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	16.38	16.29	16.33	17.1	0.0
Channel								
Frequency (MHz)				629500	630000	629468	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.25	16.38	16.26	17.1	0.0
Channel								
Frequency (MHz)				629000	629500	628968	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.39	16.34	16.33	17.1	0.0
Channel								
Frequency (MHz)				628500	629000	628468	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.25	16.35	16.37	17.1	0.0



Part27Q n77 PC2 DSI3_Simultaneous Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		19.43			
100	PI2 BPSK	1	271		19.39		20.1	0.0
100	PI2 BPSK	135	0		19.38			
100	PI2 BPSK	135	69		19.44		20.1	0.0
100	PI2 BPSK	135	138		19.48		20.1	0.0
100	PI2 BPSK	270	0		19.44		20.1	0.0
100	PI2 BPSK	270	0		19.39			
100	QPSK	1	1		19.50			
100	QPSK	1	137		19.36			
100	QPSK	1	271		19.46		20.1	0.0
100	QPSK	135	0		19.36		20.1	0.0
100	QPSK	135	69		19.47		20.1	0.0
100	QPSK	135	138		19.40		20.1	0.0
100	QPSK	270	0		19.42			
100	16QAM	1	1		19.35		20.1	0.0
100	64QAM	1	1		19.38		20.1	0.0
100	256QAM	1	1		19.36		20.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	19.42	19.38	19.48	20.1	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	19.44	19.45	19.41	20.1	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.42	19.33	19.40	20.1	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	19.48	19.42	19.46	20.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	19.35	19.47	19.42	20.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3472.01	3500.01	3528.01		
40	QPSK	1	1	19.38	19.45	19.34	20.1	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	19.38	19.44	19.34	20.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	19.34	19.40	19.39	20.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630350	633334	636350	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	19.36	19.44	19.33	20.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3543.01		
10	QPSK	1	1	19.45	19.45	19.41	20.1	0.0



Part270 n78 DSI3_Simultaneous Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3750	3750	3750				
Frequency (MHz)										
100	PI2 BPSK	1	1	16.15						
100	PI2 BPSK	1	137	16.12			17.1	0.0		
100	PI2 BPSK	1	271	16.17						
100	PI2 BPSK	135	0	16.16			17.1	0.0		
100	PI2 BPSK	135	69	16.20			17.1	0.0		
100	PI2 BPSK	135	138	16.17			17.1	0.0		
100	PI2 BPSK	270	0	16.09			17.1	0.0		
100	QPSK	1	1	16.25						
100	QPSK	1	137	16.15			17.1	0.0		
100	QPSK	1	271	16.10						
100	QPSK	135	0	16.11			17.1	0.0		
100	QPSK	135	69	16.17			17.1	0.0		
100	QPSK	135	138	16.14			17.1	0.0		
100	QPSK	270	0	16.12			17.1	0.0		
100	16QAM	1	1	16.18			17.1	0.0		
100	64QAM	1	1	16.12			17.1	0.0		
100	256QAM	1	1	16.08			17.1	0.0		
Channel				64098	65000	65334	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)		
90	QPSK	1	1	16.21	16.21	16.20	17.1	0.0		
Channel				64034	65000	65068	Tune-up limit	MPR		
Frequency (MHz)				3749.01	3750	3750.02	(dBm)	(dB)		
80	QPSK	1	1	16.16	16.16	16.14	17.1	0.0		
Channel				64000	65000	65100	Tune-up limit	MPR		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1	16.20	16.09	16.11	17.1	0.0		
Channel				64068	65000	65134	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)		
60	QPSK	1	1	16.09	16.11	16.19	17.1	0.0		
Channel				64335	65000	65166	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)		
50	QPSK	1	1	16.12	16.12	16.15	17.1	0.0		
Channel				64800	65000	65000	Tune-up limit	MPR		
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)		
40	QPSK	1	1	16.22	16.13	16.21	17.1	0.0		
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)		
30	QPSK	1	1	16.13	16.18	16.21	17.1	0.0		
Channel				64734	65000	65068	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
20	QPSK	1	1	16.19	16.13	16.12	17.1	0.0		
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)		
15	QPSK	1	1	16.13	16.12	16.23	17.1	0.0		
Channel				64700	65000	65300	Tune-up limit	MPR		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
10	QPSK	1	1	16.17	16.20	16.09	17.1	0.0		

Part270 n78 PC2 DSI3_Simultaneous Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3750	3750	3750				
Frequency (MHz)										
100	PI2 BPSK	1	1	19.03						
100	PI2 BPSK	1	137	18.99			20.1	0.0		
100	PI2 BPSK	1	271	18.96						
100	PI2 BPSK	135	0	19.04			20.1	0.0		
100	PI2 BPSK	135	69	18.99			20.1	0.0		
100	PI2 BPSK	135	138	19.00			20.1	0.0		
100	PI2 BPSK	270	0	19.02			20.1	0.0		
100	QPSK	1	1	19.10						
100	QPSK	1	137	19.00			20.1	0.0		
100	QPSK	1	271	19.04						
100	QPSK	135	0	19.01			20.1	0.0		
100	QPSK	135	69	19.07			20.1	0.0		
100	QPSK	135	138	19.04			20.1	0.0		
100	QPSK	270	0	19.03			20.1	0.0		
100	16QAM	1	1	19.00			20.1	0.0		
100	64QAM	1	1	18.94			20.1	0.0		
100	256QAM	1	1	18.88			20.1	0.0		
Channel				64098	65000	65334	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)		
90	QPSK	1	1	19.00	19.06	18.98	20.1	0.0		
Channel				64034	65000	65068	Tune-up limit	MPR		
Frequency (MHz)				3749.01	3750	3750.02	(dBm)	(dB)		
80	QPSK	1	1	18.97	19.08	19.03	20.1	0.0		
Channel				64000	65000	65100	Tune-up limit	MPR		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1	19.06	18.95	18.96	20.1	0.0		
Channel				64068	65000	65134	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)		
60	QPSK	1	1	19.07	19.01	19.07	20.1	0.0		
Channel				64335	65000	65166	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)		
50	QPSK	1	1	18.94	18.98	19.02	20.1	0.0		
Channel				64800	65000	65000	Tune-up limit	MPR		
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)		
40	QPSK	1	1	19.06	18.94	19.05	20.1	0.0		
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)		
30	QPSK	1	1	19.03	19.04	18.97	20.1	0.0		
Channel				64734	65000	65068	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
20	QPSK	1	1	18.94	19.08	19.04	20.1	0.0		
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)		
15	QPSK	1	1	18.94	19.04	19.00	20.1	0.0		
Channel				64700	65000	65300	Tune-up limit	MPR		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
10	QPSK	1	1	19.04	19.04	18.97	20.1	0.0		

Part27Q n78 DSI3_Simultaneous Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3500.01						
Frequency (MHz)										
100	PI2 BPSK	1	1	16.33						
100	PI2 BPSK	1	137	16.27			17.1	0.0		
100	PI2 BPSK	1	271	16.31						
100	PI2 BPSK	135	0	16.24			17.1	0.0		
100	PI2 BPSK	135	69	16.28			17.1	0.0		
100	PI2 BPSK	135	138	16.27			17.1	0.0		
100	PI2 BPSK	270	0	16.33			17.1	0.0		
100	QPSK	1	1	16.38						
100	QPSK	1	137	16.26			17.1	0.0		
100	QPSK	1	271	16.32						
100	QPSK	135	0	16.29			17.1	0.0		
100	QPSK	135	69	16.36			17.1	0.0		
100	QPSK	135	138	16.30			17.1	0.0		
100	QPSK	270	0	16.31			17.1	0.0		
100	16QAM	1	1	16.30			17.1	0.0		
100	64QAM	1	1	16.18			17.1	0.0		
100	256QAM	1	1	16.26			17.1	0.0		
Channel				63300	63334	63368	Tune-up limit	MPR		
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)		
90	QPSK	1	1	16.24	16.25	16.33	17.1	0.0		
Channel				63068	63334	63400	Tune-up limit	MPR		
Frequency (MHz)				3485.02	3500.01	3515.01	(dBm)	(dB)		
80	QPSK	1	1	16.33	16.25	16.28	17.1	0.0		
Channel				63234	63334	63434	Tune-up limit	MPR		
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)		
70	QPSK	1	1	16.32	16.33	16.26	17.1	0.0		
Channel				63000	63334	63468	Tune-up limit	MPR		
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)		
60	QPSK	1	1	16.36	16.34	16.34	17.1	0.0		
Channel				63166	63334	63500	Tune-up limit	MPR		
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)		
50	QPSK	1	1	16.23	16.21	16.33	17.1	0.0		
Channel				63134	63334	63534	Tune-up limit	MPR		
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)		
40	QPSK	1	1	16.31	16.22	16.31	17.1	0.0		
Channel				63100	63334	63668	Tune-up limit	MPR		
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)		
30	QPSK	1	1	16.22	16.28	16.34	17.1	0.0		
Channel				63068						



Part27Q n78 PC2 DSI3_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		19.29			
100	PI2 BPSK	1	271		19.34		20.1	0.0
100	PI2 BPSK	135	0		19.29		20.1	0.0
100	PI2 BPSK	135	69		19.30		20.1	0.0
100	PI2 BPSK	135	138		19.33		20.1	0.0
100	PI2 BPSK	270	0		19.36		20.1	0.0
100	QPSK	1	1		19.45			
100	QPSK	1	137		19.36			
100	QPSK	1	271		19.31		20.1	0.0
100	QPSK	135	0		19.32		20.1	0.0
100	QPSK	135	69		19.42		20.1	0.0
100	QPSK	135	138		19.38		20.1	0.0
100	QPSK	270	0		19.36		20.1	0.0
100	16QAM	1	1		19.31		20.1	0.0
100	64QAM	1	1		19.27		20.1	0.0
100	256QAM	1	1		19.26		20.1	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.42	19.28	19.41	20.1	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3498.02	3503.03	3508.04	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.43	19.31	19.29	20.1	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631868	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.39	19.31	19.38	20.1	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3478.01	3503.01	3528.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.34	19.31	19.30	20.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.33	19.30	19.29	20.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3457.5	3500.01	3547.5	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3452.01	3500.01	3542.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.42	19.32	19.37	20.1	0.0



Reduced Power Mode for DSI5-Standalone

n5 Default 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									
Frequency (MHz)									
				834	836.5	839			
20	PI2 BPSK	1	1	21.89	21.88	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63			
20	PI2 BPSK	100	0	21.73	21.77	21.65	23.0	0.0	
20	QPSK	1	1	21.88	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.82	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.78	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	16QAM	1	1	21.62	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.83	20.68	20.56	21.0	2.0	
Channel									
Frequency (MHz)									
				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
Frequency (MHz)									
				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
Frequency (MHz)									
				836.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 DSI5_Standalone 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									
Frequency (MHz)									
				2520	2535	2560			
40	PI2 BPSK	1	1	19.52	19.04	19.56			
40	PI2 BPSK	1	108	19.42	19.58	19.55	20.7	0.0	
40	PI2 BPSK	1	214	19.54	19.58	19.49			
40	PI2 BPSK	108	0	19.45	19.59	19.54	20.7	0.0	
40	PI2 BPSK	108	54	19.53	19.56	19.40	20.7	0.0	
40	PI2 BPSK	108	108	19.55	19.68	19.56			
40	PI2 BPSK	216	0	19.50	19.56	19.46	20.7	0.0	
40	QPSK	1	1	19.60	19.72	19.56			
40	QPSK	1	108	19.54	19.65	19.51	20.7	0.0	
40	QPSK	1	214	19.56	19.68	19.67			
40	QPSK	108	0	19.52	19.58	19.48	20.7	0.0	
40	QPSK	108	54	19.53	19.66	19.54	20.7	0.0	
40	QPSK	108	108	19.42	19.58	19.45	20.7	0.0	
40	QPSK	216	0	19.51	19.59	19.51			
40	16QAM	1	1	19.36	19.69	19.54	20.7	0.0	
40	16QAM	1	1	19.37	19.48	19.34	20.7	0.0	
40	256QAM	1	1	19.01	19.14	19.08	20.0	0.7	
Channel									
Frequency (MHz)									
				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	25.15	25.35	25.55	20.7	0.0	
Channel									
Frequency (MHz)									
				502900	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	19.57	19.66	19.42	20.7	0.0	
Channel									
Frequency (MHz)									
				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	19.54	19.58	19.47	20.7	0.0	
Channel									
Frequency (MHz)									
				507000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.56	19.67	19.52	20.7	0.0	
Channel									
Frequency (MHz)									
				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.45	19.68	19.51	20.7	0.0	
Channel									
Frequency (MHz)									
				500600	507000	513500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	19.52	19.59	19.54	20.7	0.0	

n12 Default 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									
Frequency (MHz)									
				708.5	707.5	708.5			
15	PI2 BPSK	1	1	21.82	21.86	21.76			
15	PI2 BPSK	1	40	21.64	21.71	21.60	23.0	0.0	
15	PI2 BPSK	1	77	21.49	21.59	21.46			
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0	0.0	
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0	0.0	
15	PI2 BPSK	36	43	21.64	21.69	21.66			
15	PI2 BPSK	75	0	21.71	21.79	21.70	23.0	0.0	
15	QPSK	1	1	21.87	21.95	21.82			
15	QPSK	1	40	21.78	21.83	21.74	23.0	0.0	
15	QPSK	1	77	21.70	21.79	21.67			
15	QPSK	36	0	21.64	21.73	21.60	23.0	0.0	
15	QPSK	36	22	21.83	21.86	21.79	23.0	0.0	
15	QPSK	36	43	21.62	21.73	21.64	23.0	0.0	
15	QPSK	75	0	21.72	21.78	21.74			
15	16QAM	1	1	21.53	21.63	21.52	23.0	0.0	
15	16QAM	1	1	20.93	20.93	20.89	22.0	1.0	
15	256QAM	1	1	19.33	19.41	19.29	20.0	3.0	
Channel									
Frequency (MHz)									
				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.74	21.85	21.71	23.0	0.0	
Channel									
Frequency (MHz)									
				707.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0	



n13 Default 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								
Frequency (MHz)				15600			782	
10	PI2 BPSK	1	1	21.84			23.0	0.0
10	PI2 BPSK	1	26	21.79				
10	PI2 BPSK	1	50	21.72			22.5	0.5
10	PI2 BPSK	25	0	20.93				
10	PI2 BPSK	25	14	21.88			23.0	0.0
10	PI2 BPSK	25	27	21.76				
10	PI2 BPSK	50	0	21.81			22.5	0.5
10	QPSK	1	1	21.94				
10	QPSK	1	26	21.87			23.0	0.0
10	QPSK	1	50	21.83				
10	QPSK	25	0	20.89			23.0	1.0
10	QPSK	25	14	21.98				
10	QPSK	25	27	21.13			23.0	0.0
10	QPSK	50	0	21.18				
10	16QAM	1	1	20.71			22.0	1.0
10	16QAM	1	1	19.53				
10	256QAM	1	1	18.22			18.5	4.5
10	256QAM	1	1	15.90				
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	21.50	21.87	21.11	23.0	0.0

n14 Default 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								
Frequency (MHz)				15800			793	
10	PI2 BPSK	1	1	21.98			23.0	0.0
10	PI2 BPSK	1	26	21.90				
10	PI2 BPSK	1	50	21.86			23.0	0.0
10	PI2 BPSK	25	0	21.89				
10	PI2 BPSK	25	14	21.95			23.0	0.0
10	PI2 BPSK	25	27	21.86				
10	PI2 BPSK	50	0	21.93			23.0	0.0
10	QPSK	1	1	22.04				
10	QPSK	1	26	22.01			23.0	0.0
10	QPSK	1	50	21.96				
10	QPSK	25	0	21.94			23.0	0.0
10	QPSK	25	14	21.99				
10	QPSK	25	27	21.87			23.0	0.0
10	QPSK	50	0	21.94				
10	16QAM	1	1	21.86			23.0	0.0
10	16QAM	1	1	20.85				
10	256QAM	1	1	19.09			20.0	3.0
10	256QAM	1	1	15.8100	159000	159100		
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	21.93	21.98	21.91	23.0	0.0

n25 Default 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								
Frequency (MHz)				1870			1882.5 1895	
40	PI2 BPSK	1	1	23.00	23.13	23.12	24.0	0.0
40	PI2 BPSK	1	108	22.91	23.11	22.94		
40	PI2 BPSK	1	214	22.98	22.98	23.02	24.0	0.0
40	PI2 BPSK	108	0	22.95	23.08	23.08		
40	PI2 BPSK	108	54	23.04	23.11	23.14	24.0	0.0
40	PI2 BPSK	108	108	22.96	23.07	22.93		
40	PI2 BPSK	216	0	22.88	22.96	23.05	24.0	0.0
40	QPSK	1	1	23.08	23.25	23.21		
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0
40	QPSK	1	214	23.02	23.06	23.00		
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0
40	QPSK	108	54	23.02	23.16	22.97		
40	QPSK	108	108	22.98	23.08	22.93	24.0	0.0
40	QPSK	216	0	23.04	23.12	23.04		
40	16QAM	1	1	23.09	23.21	23.16	24.0	0.0
40	16QAM	1	1	22.08	22.13	22.08		
40	256QAM	1	1	20.69	20.74	20.63	21.0	3.0
40	256QAM	1	1	17.5000	176000	177000		
Channel				1865	1882.5	1900	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.99	23.11	23.06	24.0	0.0
Channel								
Frequency (MHz)				372500			376500 380500	
25	QPSK	1	1	23.04	23.14	23.10	24.0	0.0
25	QPSK	1	1	1860	1882.5	1895		
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.99	23.19	23.08	24.0	0.0
20	QPSK	1	1	1860	1882.5	1895		
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.93	23.20	23.06	24.0	0.0
15	QPSK	1	1	1860	1882.5	1895		
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.98	23.21	23.17	24.0	0.0
10	QPSK	1	1	1860	1882.5	1895		
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	22.96	23.17	23.14	24.0	0.0
5	QPSK	1	1	1860	1882.5	1895		



n26 Default 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				164900	166300	167900			
Frequency (MHz)				854	831.5	839			
20	PI2 BPSK	1	1	23.38	23.46	23.33			
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.11	23.05			
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0	
20	PI2 BPSK	50	26	23.22	23.31	23.18	24.0	0.0	
20	PI2 BPSK	50	56	23.02	23.15	23.08			
20	PI2 BPSK	100	0	23.17	23.28	23.22	24.0	0.0	
20	QPSK	1	1	23.43	23.49	23.38			
20	QPSK	1	63	23.29	23.40	23.32	24.0	0.0	
20	QPSK	1	104	23.27	23.34	23.22			
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0	
20	QPSK	50	26	23.39	23.43	23.32	24.0	0.0	
20	QPSK	50	56	23.20	23.31	23.28	24.0	0.0	
20	QPSK	100	0	23.31	23.38	23.26			
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0	
20	16QAM	1	1	22.31	22.43	22.30	23.0	1.0	
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0	
Channel				164300	166300	168300	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5	(dB)	(dB)	
15	QPSK	1	1	23.32	23.35	23.33	24.0	0.0	
Channel				165900	166300	166800	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				819	831.5	844	(dB)	(dB)	
10	QPSK	1	1	23.31	23.32	23.25	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5	(dB)	(dB)	
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0	

n30 DSI5_Standalone 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				460900	462000	463000			
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	21.07					
10	PI2 BPSK	1	26	20.98			22.1	0.0	
10	PI2 BPSK	1	50	20.90					
10	PI2 BPSK	25	0	20.83			22.1	0.0	
10	PI2 BPSK	25	14	21.00			22.1	0.0	
10	PI2 BPSK	25	27	20.95					
10	PI2 BPSK	50	0	20.91			22.1	0.0	
10	QPSK	1	1	21.15					
10	QPSK	1	26	21.06			22.1	0.0	
10	QPSK	1	50	20.94					
10	QPSK	25	0	20.91			22.1	0.0	
10	QPSK	25	14	21.00			22.1	0.0	
10	QPSK	25	27	20.95					
10	QPSK	50	0	20.90			22.1	0.0	
10	16QAM	1	1	20.96			22.1	0.0	
10	16QAM	1	1	20.91			22.1	0.0	
10	256QAM	1	1	19.99			21.0	1.1	
Channel				461500	462000	462500	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	(dB)	(dB)	
5	QPSK	1	1	21.03	21.03	21.11	22.1	0.0	



n66 DSI5_Standalone 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				340000	349000	350000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	21.80	21.86	21.74		
40	PI2 BPSK	1	108	21.62	21.74	21.68	22.9	0.0
40	PI2 BPSK	1	214	21.71	21.76	21.73		
40	PI2 BPSK	108	0	21.63	21.72	21.61	22.9	0.0
40	PI2 BPSK	108	84	21.78	21.83	21.69	22.9	0.0
40	PI2 BPSK	108	108	21.63	21.71	21.65	22.9	0.0
40	PI2 BPSK	216	0	21.72	21.77	21.65		
40	QPSK	1	1	21.80	21.82	21.87		
40	QPSK	1	108	21.75	21.85	21.76	22.9	0.0
40	QPSK	1	214	21.70	21.80	21.67		
40	QPSK	108	0	21.70	21.75	21.70	22.9	0.0
40	QPSK	108	84	21.75	21.87	21.73	22.9	0.0
40	QPSK	108	108	21.73	21.81	21.68	22.9	0.0
40	QPSK	216	0	21.80	21.84	21.77		
40	16QAM	1	1	21.65	21.76	21.65	22.9	0.0
40	64QAM	1	1	21.05	21.10	21.06	22.9	0.0
40	256QAM	1	1	19.75	19.90	19.78	21.0	1.9
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.64	21.70	21.59	22.9	0.0
Channel				344000	349000	356000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.83	21.67	21.63	22.9	0.0
Channel				343500	349000	355000		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.84	21.75	21.64	22.9	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.60	21.73	21.62	22.9	0.0
Channel				342500	349000	355000		
Frequency (MHz)				1712.5	1745	1772.5		
5	QPSK	1	1	21.52	21.71	21.65	22.9	0.0



n38 DS15_Standalone 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				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
40	PI2 BPSK	1	1	19.73	19.74	19.82		
40	PI2 BPSK	1	33	19.96	19.97	19.80	21.3	0.0
40	PI2 BPSK	1	104	19.70	20.01	19.91		
40	PI2 BPSK	50	0	19.85	19.80	19.83	21.3	0.0
40	PI2 BPSK	50	28	19.78	19.98	19.82	21.3	0.0
40	PI2 BPSK	50	56	19.82	19.77	19.94	21.3	0.0
40	PI2 BPSK	100	0	19.88	19.85	19.78		
40	QPSK	1	1	19.84	20.07	19.79		
40	QPSK	1	53	19.73	19.82	19.63	21.3	0.0
40	QPSK	1	104	19.91	19.74	19.82		
40	QPSK	50	0	19.87	19.78	19.92	21.3	0.0
40	QPSK	50	28	19.76	20.08	19.70	21.3	0.0
40	QPSK	50	56	19.75	19.75	19.69	21.3	0.0
40	QPSK	100	0	19.84	19.81	19.63		
40	16QAM	1	1	19.82	19.82	19.82	21.3	0.0
40	64QAM	1	1	19.79	19.88	20.03	21.3	0.0
40	256QAM	1	1	17.80	17.80	17.84	19.5	1.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.82	19.99	19.78	21.3	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2682.82	2695	2697.88		
25	QPSK	1	1	19.60	19.99	19.77	21.3	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2780	2795	2810		
20	QPSK	1	1	19.81	20.03	19.74	21.3	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2877.51	2895	2912.49		
15	QPSK	1	1	19.61	19.88	19.75	21.3	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2975.02	2995	3014.98		
10	QPSK	1	1	19.55	20.01	19.70	21.3	0.0

n41 DS15_Standalone 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				506002	518998	528990		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	19.94	20.01	19.88		
100	PI2 BPSK	1	137	19.75	19.80	19.78	21.3	0.0
100	PI2 BPSK	1	271	19.68	19.81	19.74		
100	PI2 BPSK	135	0	19.80	19.91	19.87	21.3	0.0
100	PI2 BPSK	135	69	19.98	20.02	19.90	21.3	0.0
100	PI2 BPSK	135	138	19.69	19.93	19.88	21.3	0.0
100	PI2 BPSK	270	0	19.85	19.95	19.82		
100	QPSK	1	1	19.92	20.14	19.95		
100	QPSK	1	137	19.95	19.81	19.75	21.3	0.0
100	QPSK	1	271	19.79	19.89	19.79		
100	QPSK	135	0	19.82	19.83	19.79	21.3	0.0
100	QPSK	135	69	20.00	20.03	19.72	21.3	0.0
100	QPSK	135	138	19.75	19.91	19.91	21.3	0.0
100	QPSK	270	0	19.81	19.90	19.69		
100	16QAM	1	1	19.92	20.03	19.87	21.3	0.0
100	64QAM	1	1	19.47	19.61	19.48	20.5	0.8
100	256QAM	1	1	17.80	18.03	17.84	19.5	2.0
Channel				506002	518998	528990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.75	19.68	19.66	21.3	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	19.61	19.41	19.41	21.3	0.0
Channel				506002	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2631.01	2692.99	2663		
70	QPSK	1	1	19.57	19.47	19.37	21.3	0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2692.99	2699.98		
60	QPSK	1	1	19.37	19.43	19.40	21.3	0.0
Channel				505204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2692.99	2694.99		
50	QPSK	1	1	19.34	19.51	19.80	21.3	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2616.01	2692.99	2690		
40	QPSK	1	1	19.73	19.43	19.38	21.3	0.0
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2692.99	2674.98		
30	QPSK	1	1	19.60	19.43	19.71	21.3	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2692.99	2678.99		
20	QPSK	1	1	19.62	19.49	19.58	21.3	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
				506002	518598	526000				
				Channel						
				Frequency (MHz)						
100	PI2 BPSK	1	1	22.74	22.86	22.78				
100	PI2 BPSK	1	137	22.74	22.91	22.82	24.3	0.0		
100	PI2 BPSK	1	271	22.72	22.88	22.78				
100	PI2 BPSK	135	0	22.87	22.77	22.78	24.3	0.0		
100	PI2 BPSK	135	69	22.96	22.78	22.86	24.3	0.0		
100	PI2 BPSK	135	138	22.82	22.69	22.69	24.3	0.0		
100	PI2 BPSK	270	0	22.84	22.68	22.81				
100	QPSK	1	1	22.84	23.00	22.86				
100	QPSK	1	137	22.87	22.94	22.87	24.3	0.0		
100	QPSK	1	271	22.85	22.85	22.85				
100	QPSK	135	0	22.85	22.85	22.82	24.3	0.0		
100	QPSK	135	69	22.89	22.95	22.80	24.3	0.0		
100	QPSK	135	138	22.87	22.89	22.66	24.3	0.0		
100	QPSK	270	0	22.91	22.85	22.79				
100	16QAM	1	1	22.79	22.79	22.72	24.3	0.0		
100	64QAM	1	1	22.92	22.89	22.99	24.0	0.3		
100	256QAM	1	1	20.85	20.77	20.62	22.0	2.3		
				Channel						
				Frequency (MHz)						
90	QPSK	1	1	22.64	22.71	22.66	24.3	0.0		
				Channel						
				Frequency (MHz)						
80	QPSK	1	1	22.49	22.76	22.62	24.3	0.0		
				Channel						
				Frequency (MHz)						
70	QPSK	1	1	22.44	22.63	22.51	24.3	0.0		
				Channel						
				Frequency (MHz)						
60	QPSK	1	1	22.47	22.71	22.43	24.3	0.0		
				Channel						
				Frequency (MHz)						
50	QPSK	1	1	22.42	22.70	22.58	24.3	0.0		
				Channel						
				Frequency (MHz)						
40	QPSK	1	1	22.55	22.63	22.58	24.3	0.0		
				Channel						
				Frequency (MHz)						
30	QPSK	1	1	22.42	22.62	22.40	24.3	0.0		
				Channel						
				Frequency (MHz)						
20	QPSK	1	1	23.11	23.36	23.24	24.3	0.0		

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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
				638000	641666	645332				
				Channel						
				Frequency (MHz)						
40	PI2 BPSK	1	1	20.87	21.01	20.98				
40	PI2 BPSK	1	53	20.85	20.99	20.89	22.0	0.0		
40	PI2 BPSK	1	104	20.91	20.95	20.91				
40	PI2 BPSK	50	0	20.80	20.90	20.84	22.0	0.0		
40	PI2 BPSK	50	26	20.84	20.97	20.82	22.0	0.0		
40	PI2 BPSK	50	55	20.84	20.89	20.84	22.0	0.0		
40	PI2 BPSK	100	0	20.88	20.93	20.80				
40	QPSK	1	1	20.99	21.09	20.94				
40	QPSK	1	53	20.95	21.03	20.97	22.0	0.0		
40	QPSK	1	104	20.92	20.98	20.93				
40	QPSK	50	0	20.92	21.01	20.93	22.0	0.0		
40	QPSK	50	28	20.94	21.05	20.88	22.0	0.0		
40	QPSK	50	56	20.87	20.94	20.82	22.0	0.0		
40	QPSK	100	0	20.90	20.97	20.83				
40	16QAM	1	1	20.85	20.89	20.81	22.0	0.0		
40	64QAM	1	1	19.69	19.78	19.74	21.0	1.0		
40	256QAM	1	1	18.14	18.27	18.17	19.0	3.0		
				Channel						
				Frequency (MHz)						
30	QPSK	1	1	20.87	21.03	20.83	22.0	0.0		
				Channel						
				Frequency (MHz)						
20	QPSK	1	1	20.90	20.94	20.79	22.0	0.0		
				Channel						
				Frequency (MHz)						
10	QPSK	1	1	20.90	20.89	20.89	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)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.81	22.94	22.91		
100	Pl2 BPSK	1	137	22.94	23.02	22.97	24.0	0.0
100	Pl2 BPSK	1	271	22.77	22.89	22.77		
100	Pl2 BPSK	135	0	22.74	22.90	22.74	24.0	0.0
100	Pl2 BPSK	135	69	22.95	22.97	22.93	24.0	0.0
100	Pl2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0
100	Pl2 BPSK	270	0	22.82	22.92	22.81	24.0	0.0
100	QPSK	1	1	22.88	23.06	23.04		
100	QPSK	1	137	22.86	22.86	22.83	24.0	0.0
100	QPSK	1	271	22.97	22.99	22.88		
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0
100	QPSK	135	69	22.92	23.03	22.90	24.0	0.0
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0
100	QPSK	270	0	22.94	22.90	22.77	24.0	0.0
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0
100	256QAM	1	1	20.19	20.24	20.19	21.0	3.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.82	22.95	22.94	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	22.75	22.99	22.98	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
50	QPSK	1	1	22.81	22.96	22.99	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
40	QPSK	1	1	22.74	22.99	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
30	QPSK	1	1	22.71	22.98	22.93	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
10	QPSK	1	1	22.78	23.00	22.97	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.68	25.92	25.60		
100	Pl2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0
100	Pl2 BPSK	1	271	25.88	26.07	26.03		
100	Pl2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0
100	Pl2 BPSK	135	69	25.85	26.02	25.98	27.0	0.0
100	Pl2 BPSK	135	138	25.82	26.05	25.90	27.0	0.0
100	Pl2 BPSK	270	0	25.70	25.91	25.87	27.0	0.0
100	QPSK	1	1	25.80	26.13	26.08		
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0
100	QPSK	1	271	25.83	26.03	25.87		
100	QPSK	135	0	25.64	25.82	25.76	27.0	0.0
100	QPSK	135	69	25.96	26.10	26.00	27.0	0.0
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0
100	QPSK	270	0	25.77	25.97	25.81	27.0	0.0
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5
100	256QAM	1	1	23.19	23.40	23.38	24.5	2.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	25.66	25.97	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
30	QPSK	1	1	25.76	26.06	25.98	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
10	QPSK	1	1	25.77	25.98	25.96	27.0	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)						3500.01		
100	Pl2 BPSK	1	1			23.24		
100	Pl2 BPSK	1	137			23.32	24.0	0.0
100	Pl2 BPSK	1	271			23.26		
100	Pl2 BPSK	135	0			23.22	24.0	0.0
100	Pl2 BPSK	135	69			23.23	24.0	0.0
100	Pl2 BPSK	135	138			23.26	24.0	0.0
100	Pl2 BPSK	270	0			23.20	24.0	0.0
100	QPSK	1	1			23.36		
100	QPSK	1	137			23.28	24.0	0.0
100	QPSK	1	271			23.24		
100	QPSK	135	0			23.24	24.0	0.0
100	QPSK	135	69			23.29	24.0	0.0
100	QPSK	135	138			23.24	24.0	0.0
100	QPSK	270	0			23.23	24.0	0.0
100	16QAM	1	1			23.21	24.0	0.0
100	64QAM	1	1			22.32	23.0	1.0
100	256QAM	1	1			20.50	21.0	3.0
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				633068	633334	633600		
80	QPSK	1	1	23.28	23.24	23.26	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
70	QPSK	1	1	23.15	23.27	23.15	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
60	QPSK	1	1	23.20	23.23	23.15	24.0	0.0
Channel								
Frequency (MHz)				633165	633334	633500		
50	QPSK	1	1	23.22	23.32	23.19	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
40	QPSK	1	1	23.16	23.20	23.17	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	23.24	23.33	23.23	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
20	QPSK	1	1	23.17	23.26	23.18	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
15	QPSK	1	1	23.29	23.25	23.13	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
10	QPSK	1	1	23.21	23.28	23.18	24.0	0.0



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Bandwidth (MHz)	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	Pi/2 BPSK	1	1	28.39	3000.01			
100	Pi/2 BPSK	1	137	28.39			27.0	0.0
100	Pi/2 BPSK	1	271	28.38				
100	Pi/2 BPSK	135	0	28.33			27.0	0.0
100	Pi/2 BPSK	135	69	28.29			27.0	0.0
100	Pi/2 BPSK	135	138	28.35			27.0	0.0
100	Pi/2 BPSK	270	0	28.38				
100	QPSK	1	1	28.46				
100	QPSK	1	137	28.36			27.0	0.0
100	QPSK	1	271	28.31				
100	QPSK	135	0	28.29			27.0	0.0
100	QPSK	135	69	28.35			27.0	0.0
100	QPSK	135	138	28.28			27.0	0.0
100	QPSK	270	0	28.40				
100	16QAM	1	1	28.29			27.0	0.0
100	64QAM	1	1	28.06			26.5	0.5
100	256QAM	1	1	24.11			24.5	2.5
Channel								
Frequency (MHz)								
				633000	633334	633668		
				3486	3000.01	3005.02		
90	QPSK	1	1	28.30	28.34	28.43	27.0	0.0
Channel								
				630068	633334	634000		
				3480.02	3000.01	3010		
80	QPSK	1	1	28.38	28.40	28.29	27.0	0.0
Channel								
				632334	633334	634334		
				3485.01	3000.01	3015.01		
70	QPSK	1	1	28.30	28.30	28.29	27.0	0.0
Channel								
				632000	633334	634668		
				3480	3000.01	3000.02		
60	QPSK	1	1	28.36	28.31	28.34	27.0	0.0
Channel								
				631008	633334	635000		
				3476.02	3000.01	3025		
50	QPSK	1	1	28.38	28.33	28.37	27.0	0.0
Channel								
				631334	633334	635334		
				3470.01	3000.01	3020.01		
40	QPSK	1	1	28.42	28.38	28.32	27.0	0.0
Channel								
				631000	633334	635668		
				3485	3000.01	3035.02		
30	QPSK	1	1	28.32	28.33	28.43	27.0	0.0
Channel								
				630568	633334	635900		
				3480.02	3000.01	3040		
20	QPSK	1	1	28.36	28.38	28.41	27.0	0.0
Channel								
				630500	633334	636168		
				3477.5	3000.01	3042.02		
15	QPSK	1	1	28.42	28.33	28.37	27.0	0.0
Channel								
				630334	633334	636334		
				3483.01	3000.01	3043.01		
10	QPSK	1	1	28.35	28.33	28.34	27.0	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)				3750	3750	3750			
100	PI2 BPSK	1	1		22.85				
100	PI2 BPSK	1	137		22.80		24.0	0.0	
100	PI2 BPSK	1	271		22.74				
100	PI2 BPSK	135	0		22.85		24.0	0.0	
100	PI2 BPSK	135	69		22.73		24.0	0.0	
100	PI2 BPSK	135	138		22.84		24.0	0.0	
100	PI2 BPSK	270	0		22.75		24.0	0.0	
100	QPSK	1	1		22.89				
100	QPSK	1	137		22.81		24.0	0.0	
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.75		23.5	0.5	
100	QPSK	135	69		22.83		24.0	0.0	
100	QPSK	135	138		22.75		23.5	0.5	
100	QPSK	270	0		22.85		22.0	2.0	
100	16QAM	1	1		22.25		22.0	2.0	
100	64QAM	1	1		20.83		22.0	4.0	
100	256QAM	1	1		19.01		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.71	22.84	22.79	24.0	0.0
Channel									
Frequency (MHz)				64834	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.81	22.73	22.89	24.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.53	22.79	22.66	24.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.73	22.80	22.80	24.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.78	22.75	22.73	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.78	22.85	22.87	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3715.02	3750	3785.01	24.0	0.0
Channel									
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3710.01	3750	3790.02	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		3705	3750	3795	24.0	0.0
Channel									
Frequency (MHz)				3274	3288	3272	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.83				
100	PI2 BPSK	1	137		25.82		27.0	0.0	
100	PI2 BPSK	1	271		25.85				
100	PI2 BPSK	135	0		25.90		27.0	0.0	
100	PI2 BPSK	135	69		25.96		27.0	0.0	
100	PI2 BPSK	135	138		25.91		27.0	0.0	
100	PI2 BPSK	270	0		25.87		27.0	0.0	
100	QPSK	1	1		25.97				
100	QPSK	1	137		25.90		27.0	0.0	
100	QPSK	1	271		25.94				
100	QPSK	135	0		25.83		27.0	0.0	
100	QPSK	135	69		25.93		27.0	0.0	
100	QPSK	135	138		25.84		27.0	0.0	
100	QPSK	270	0		25.94		27.0	0.0	
100	16QAM	1	1		25.58		25.5	1.5	
100	64QAM	1	1		24.18		25.5	1.5	
100	256QAM	1	1		22.28		23.5	3.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.83	25.83	25.83	27.0	0.0
Channel									
Frequency (MHz)				64834	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.83	25.79	27.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.81	25.85	25.81	27.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.91	25.85	25.83	27.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.91	25.94	25.83	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.78	25.83	25.81	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3715.02	3750	3785.01	27.0	0.0
Channel									
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3710.01	3750	3790.02	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		3705	3750	3795	27.0	0.0
Channel									
Frequency (MHz)				3280	3291	3277	27.0	0.0	

Part27Q n78 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									
Frequency (MHz)					350.01				
100	PI2 BPSK	1	1		23.22				
100	PI2 BPSK	1	137		23.18		24.0	0.0	
100	PI2 BPSK	1	271		23.29				
100	PI2 BPSK	135	0		23.22		24.0	0.0	
100	PI2 BPSK	135	69		23.30		24.0	0.0	
100	PI2 BPSK	135	138		23.29		24.0	0.0	
100	PI2 BPSK	270	0		23.17		24.0	0.0	
100	QPSK	1	1		23.32				
100	QPSK	1	137		23.21		24.0	0.0	
100	QPSK	1	271		23.17				
100	QPSK	135	0		23.18		23.5	0.5	
100	QPSK	135	69		23.23		24.0	0.0	
100	QPSK	135	138		23.17		23.5	0.5	
100	QPSK	270	0		23.26		22.0	2.0	
100	16QAM	1	1		23.13		22.0	2.0	
100	64QAM	1	1		21.58		22.0	4.0	
100	256QAM	1	1		19.48		22.0	4.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.17	23.23	23.18	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.15	23.24	23.21	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.22	23.29	23.14	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.09	23.22	23.19	24.0	0.0
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.10	23.20	23.19	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.22	23.20	23.17	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3465	3500.01	3535.02	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3460.02	3500.01	3540	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		3453	3526	3520	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.14	23.15	23.25	24.0	0.0



Part27Q n78 PC2 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								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.24			
100	PI2 BPSK	1	271		20.33		27.0	0.0
100	PI2 BPSK	135	0		20.28			
100	PI2 BPSK	135	69		20.22		27.0	0.0
100	PI2 BPSK	135	138		20.32		27.0	0.0
100	PI2 BPSK	270	0		20.27		27.0	0.0
100	PI2 BPSK	270	0		20.25			
100	QPSK	1	1		20.38			
100	QPSK	1	197		20.33		27.0	0.0
100	QPSK	1	271		20.22			
100	QPSK	135	0		20.30		27.0	0.0
100	QPSK	135	69		20.35		27.0	0.0
100	QPSK	135	138		20.32		27.0	0.0
100	QPSK	270	0		20.23			
100	16QAM	1	1		20.16		27.0	0.0
100	64QAM	1	1		25.20		25.5	1.5
100	256QAM	1	1		23.16		23.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				20.16	20.26	20.22	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
				20.24	20.24	20.24	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				20.22	20.29	20.23	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				20.20	20.26	20.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631803	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				20.26	20.29	20.26	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
				20.18	20.23	20.26	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
				20.24	20.34	20.30	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				20.22	20.27	20.20	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636300	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
				20.18	20.35	20.28	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
				20.25	20.32	20.27	27.0	0.0



n2 Default 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)				1660	1680	1690			
20	PI2 BPSK	1	1	21.58	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.60	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.50	19.21	19.29	21.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
Frequency (MHz)				3710.0	3760.0	3810.0			
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
Frequency (MHz)				3705.0	3760.0	3815.0			
5	QPSK	1	1	21.32	21.40	21.24	23.0	0.0	

n5 Default 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)				1668.0	1679.0	1676.0			
20	PI2 BPSK	1	1	21.80	21.66	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.68	20.68	20.36	21.0	2.0	
Channel									
Frequency (MHz)				1623.0	1623.0	1623.0			
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
Frequency (MHz)				1658.0	1679.0	1680.0			
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
Frequency (MHz)				1663.0	1679.0	1693.0			
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 DSI5_ Standalone 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)				5060.0	5070.0	5100.0			
40	PI2 BPSK	1	1	19.56	19.59	19.59			
40	PI2 BPSK	1	108	19.43	19.76	19.65	21.1	0.0	
40	PI2 BPSK	1	214	19.84	19.63	19.51			
40	PI2 BPSK	108	0	19.47	19.70	19.56	21.1	0.0	
40	PI2 BPSK	108	54	19.72	19.60	19.61	21.1	0.0	
40	PI2 BPSK	108	108	19.71	19.78	19.60	21.1	0.0	
40	PI2 BPSK	216	0	19.70	19.75	19.47			
40	QPSK	1	1	19.70	19.81	19.60			
40	QPSK	1	108	19.72	19.77	19.55	21.1	0.0	
40	QPSK	1	214	19.59	19.72	19.67			
40	QPSK	108	0	19.55	19.59	19.59	21.1	0.0	
40	QPSK	108	54	19.74	19.79	19.56	21.1	0.0	
40	QPSK	108	108	19.57	19.78	19.55	21.1	0.0	
40	QPSK	216	0	19.81	19.73	19.59			
40	16QAM	1	1	19.59	19.77	19.73	21.1	0.0	
40	64QAM	1	1	19.55	19.75	19.64	21.1	0.0	
40	256QAM	1	1	19.50	19.72	19.73	21.1	0.0	
Channel									
Frequency (MHz)				5200.0	5210.0	5110.0			
30	QPSK	1	1	19.57	19.57	19.37	21.1	0.0	
Channel									
Frequency (MHz)				5025.0	5070.0	5115.0			
25	QPSK	1	1	19.39	19.64	19.47	21.1	0.0	
Channel									
Frequency (MHz)				5020.0	5070.0	5120.0			
20	PI2 BPSK	1	1	19.55	19.54	19.47	21.1	0.0	
Channel									
Frequency (MHz)				5015.0	5070.0	5125.0			
15	QPSK	1	1	19.45	19.50	19.37	21.1	0.0	
Channel									
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	1	19.48	19.61	19.39	21.1	0.0	
Channel									
Frequency (MHz)				5005.0	5070.0	5130.0			
5	QPSK	1	1	19.50	19.51	19.41	21.1	0.0	



n12 Default Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel										
				141300	141500	141700				
Frequency (MHz)										
15	PI2 BPSK	1	1	21.52	21.56	21.76	23.0	0.0		
15	PI2 BPSK	1	49	21.64	21.71	21.86				
15	PI2 BPSK	1	77	21.49	21.59	21.46				
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0	0.0		
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0	0.0		
15	PI2 BPSK	36	43	21.64	21.69	21.66	23.0	0.0		
15	PI2 BPSK	75	0	21.71	21.79	21.70	23.0	0.0		
15	QPSK	1	1	21.87	21.95	21.82	23.0	0.0		
15	QPSK	1	49	21.76	21.83	21.74				
15	QPSK	1	77	21.70	21.79	21.97				
15	QPSK	36	0	21.64	21.73	21.60	23.0	0.0		
15	QPSK	36	22	21.83	21.86	21.79	23.0	0.0		
15	QPSK	36	43	21.62	21.73	21.64	23.0	0.0		
15	QPSK	75	0	21.72	21.76	21.74	23.0	0.0		
15	16QAM	1	1	21.53	21.63	21.52	23.0	0.0		
15	64QAM	1	1	20.83	20.93	20.89	22.0	1.0		
15	256QAM	1	1	19.33	19.41	19.29	22.0	3.0		
Channel										
				142000	141500	142500				
Frequency (MHz)										
10	QPSK	1	1	794	797.5	711	23.0	0.0		
Channel										
				140300	141500	142700				
Frequency (MHz)										
5	QPSK	1	1	791.5	797.5	783.5	23.0	0.0		

n13 Default Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
				156400	156400			
Frequency (MHz)								
10	PI2 BPSK	1	1	21.84	21.84		23.0	0.0
10	PI2 BPSK	1	26	21.79	21.79			
10	PI2 BPSK	1	50	21.72	21.72			
10	PI2 BPSK	25	0	20.93	20.93		22.5	0.5
10	PI2 BPSK	25	14	21.86	21.86		23.0	0.0
10	PI2 BPSK	25	27	21.76	21.76		22.5	0.5
10	PI2 BPSK	50	0	21.81	21.81		23.0	0.0
10	QPSK	1	1	21.94	21.94		23.0	0.0
10	QPSK	1	26	21.87	21.87			
10	QPSK	1	50	21.83	21.83			
10	QPSK	25	0	20.89	20.89		22.0	1.0
10	QPSK	25	14	21.89	21.89		23.0	0.0
10	QPSK	25	27	21.13	21.13		22.0	1.0
10	QPSK	50	0	21.16	21.16		22.0	1.0
10	16QAM	1	1	20.71	20.71		22.0	1.0
10	64QAM	1	1	19.53	19.53		20.5	2.5
10	256QAM	1	1	18.22	18.22		18.5	4.5
Channel								
				150900	150900	150900		
Frequency (MHz)								
5	QPSK	1	1	779.5	782	784.5	23.0	0.0
				21.80	21.87	21.81		

n14 Default Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
				158600	158600			
Frequency (MHz)								
10	PI2 BPSK	1	1	21.98	21.98		23.0	0.0
10	PI2 BPSK	1	26	21.90	21.90			
10	PI2 BPSK	1	50	21.86	21.86			
10	PI2 BPSK	25	0	21.89	21.89		23.0	0.0
10	PI2 BPSK	25	14	21.95	21.95		23.0	0.0
10	PI2 BPSK	25	27	21.86	21.86		23.0	0.0
10	PI2 BPSK	50	0	21.93	21.93		23.0	0.0
10	QPSK	1	1	22.04	22.04		23.0	0.0
10	QPSK	1	26	22.01	22.01			
10	QPSK	1	50	21.96	21.96			
10	QPSK	25	0	21.94	21.94		23.0	0.0
10	QPSK	25	14	21.99	21.99		23.0	0.0
10	QPSK	25	27	21.87	21.87		23.0	0.0
10	QPSK	50	0	21.94	21.94		23.0	0.0
10	16QAM	1	1	21.88	21.88		22.0	1.0
10	64QAM	1	1	20.85	20.85		22.0	1.0
10	256QAM	1	1	19.09	19.09		20.0	3.0
Channel								
				158100	158100	158100		
Frequency (MHz)								
5	QPSK	1	1	790.5	793	795.5	23.0	0.0
				21.93	21.98	21.91		



n25 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
40	PI2 BPSK	1	1	21.39	21.43	21.33	0.0
40	PI2 BPSK	1	108	21.32	21.37	21.22	23.0
40	PI2 BPSK	1	214	21.34	21.40	21.28	0.0
40	PI2 BPSK	108	0	21.35	21.39	21.32	23.0
40	PI2 BPSK	108	54	21.38	21.40	21.38	23.0
40	PI2 BPSK	108	108	21.31	21.34	21.27	23.0
40	PI2 BPSK	216	0	21.28	21.38	21.26	0.0
40	QPSK	1	1	21.49	21.52	21.45	0.0
40	QPSK	1	108	21.37	21.48	21.40	23.0
40	QPSK	1	214	21.30	21.42	21.34	0.0
40	QPSK	108	0	21.32	21.38	21.29	23.0
40	QPSK	108	54	21.42	21.49	21.38	23.0
40	QPSK	108	108	21.38	21.41	21.37	23.0
40	QPSK	216	0	21.38	21.44	21.33	23.0
40	16QAM	1	1	21.33	21.37	21.26	23.0
40	64QAM	1	1	20.32	20.42	20.37	22.0
40	256QAM	1	1	19.07	19.13	19.00	20.0
Channel				37250	37650	38050	
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	21.42	21.47	21.35	23.0
Channel				37250	37650	38050	
Frequency (MHz)				1862.5	1882.5	1892.5	
25	QPSK	1	1	21.35	21.41	21.39	23.0
Channel				37200	37650	38100	
Frequency (MHz)				1860	1882.5	1900	
20	QPSK	1	1	21.39	21.43	21.33	23.0
Channel				37150	37650	38150	
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	1	21.34	21.40	21.31	23.0
Channel				37100	37650	38200	
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	1	21.45	21.49	21.36	23.0
Channel				37050	37650	38250	
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	1	21.36	21.43	21.38	23.0

n26 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
20	PI2 BPSK	1	1	22.07	22.11	22.02	0.0
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0
20	PI2 BPSK	1	104	21.85	21.91	21.80	0.0
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0
20	PI2 BPSK	50	26	21.94	22.06	21.94	23.0
20	PI2 BPSK	50	55	21.83	21.91	21.81	23.0
20	PI2 BPSK	100	0	21.92	22.01	21.95	0.0
20	QPSK	1	1	22.03	22.15	22.04	0.0
20	QPSK	1	53	21.99	22.10	22.07	23.0
20	QPSK	1	104	21.91	22.05	21.94	0.0
20	QPSK	50	0	21.87	22.01	21.92	23.0
20	QPSK	50	28	22.08	22.12	22.06	23.0
20	QPSK	50	56	21.92	21.99	21.93	23.0
20	QPSK	100	0	22.02	22.08	21.94	23.0
20	16QAM	1	1	21.64	21.75	21.69	23.0
20	64QAM	1	1	20.96	21.11	21.08	22.0
20	256QAM	1	1	19.32	19.41	19.30	20.0
Channel				16300	16600	16900	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	1	22.02	22.08	21.95	23.0
Channel				16300	16600	16900	
Frequency (MHz)				818	831.5	844	
10	QPSK	1	1	21.97	22.03	21.88	23.0
Channel				16300	16600	16900	
Frequency (MHz)				815	831.5	846.5	
5	QPSK	1	1	21.95	22.01	21.91	23.0



n30 DSI5_Standalone 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)							2310	
10	PI2 BPSK	1	1	20.59			22.0	0.0
10	PI2 BPSK	1	26	20.30				
10	PI2 BPSK	1	50	20.22				
10	PI2 BPSK	25	0	20.15			22.0	0.0
10	PI2 BPSK	25	14	20.32			22.0	0.0
10	PI2 BPSK	25	27	20.27			22.0	0.0
10	PI2 BPSK	50	0	20.23			22.0	0.0
10	QPSK	1	1	20.47				
10	QPSK	1	26	20.38			22.0	0.0
10	QPSK	1	50	20.28				
10	QPSK	25	0	20.23			22.0	0.0
10	QPSK	25	14	20.32			22.0	0.0
10	QPSK	25	27	20.27			22.0	0.0
10	QPSK	50	0	20.22			22.0	0.0
10	16QAM	1	1	20.28			22.0	0.0
10	64QAM	1	1	20.23			22.0	0.0
10	256QAM	1	1	18.04			22.0	0.0
Channel							46190	46200
Frequency (MHz)							2307.5	2310
5	QPSK	1	1	20.13	20.15	20.11	22.0	0.0

n66 Default 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)							1730	1745
40	PI2 BPSK	1	1	21.67	21.73	21.61		
40	PI2 BPSK	1	108	21.49	21.61	21.55	23.0	0.0
40	PI2 BPSK	1	214	21.58	21.63	21.60		
40	PI2 BPSK	108	0	21.50	21.59	21.48	23.0	0.0
40	PI2 BPSK	108	54	21.65	21.70	21.56	23.0	0.0
40	PI2 BPSK	108	108	21.50	21.58	21.52	23.0	0.0
40	PI2 BPSK	216	0	21.59	21.64	21.52		
40	QPSK	1	1	21.67	21.79	21.74		
40	QPSK	1	108	21.62	21.72	21.63	23.0	0.0
40	QPSK	1	214	21.57	21.67	21.54		
40	QPSK	108	0	21.57	21.62	21.57	23.0	0.0
40	QPSK	108	54	21.62	21.74	21.60	23.0	0.0
40	QPSK	108	108	21.60	21.68	21.55	23.0	0.0
40	QPSK	216	0	21.67	21.71	21.64		
40	16QAM	1	1	21.52	21.63	21.52	23.0	0.0
40	64QAM	1	1	20.92	20.97	20.93	22.0	1.0
40	256QAM	1	1	19.02	19.77	19.88	23.0	0.0
Channel							352000	349000
Frequency (MHz)							1725	1745
30	QPSK	1	1	21.64	21.70	21.60	23.0	0.0
Channel							345000	349000
Frequency (MHz)							1717.5	1745
15	QPSK	1	1	21.64	21.75	21.64	23.0	0.0
Channel							343000	349000
Frequency (MHz)							1715	1745
10	QPSK	1	1	21.60	21.73	21.62	23.0	0.0
Channel							352500	349000
Frequency (MHz)							1712.5	1745
5	QPSK	1	1	21.52	21.71	21.68	23.0	0.0

n70 Default 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							342000	345000
Frequency (MHz)							1702.5	
15	PI2 BPSK	1	1	21.50				
15	PI2 BPSK	1	40	21.87			23.0	0.0
15	PI2 BPSK	1	77	21.82				
15	PI2 BPSK	36	0	21.34			22.5	0.5
15	PI2 BPSK	36	22	21.86			23.0	0.0
15	PI2 BPSK	36	43	21.26			22.5	0.5
15	PI2 BPSK	75	0	21.32				
15	QPSK	1	1	21.95				
15	QPSK	1	40	21.83			23.0	0.0
15	QPSK	1	77	21.86				
15	QPSK	36	0	21.35			22.0	1.0
15	QPSK	36	22	21.88			23.0	0.0
15	QPSK	36	43	21.40			22.0	1.0
15	QPSK	75	0	21.32				
15	16QAM	1	1	21.34			22.0	1.0
15	64QAM	1	1	19.88			20.5	2.5
15	256QAM	1	1	17.92			18.5	4.5
Channel							345000	345000
Frequency (MHz)							1700	1702.5
10	QPSK	1	1	21.84	21.92	21.81	23.0	0.0
Channel							335000	345000
Frequency (MHz)							1697.5	1702.5
5	QPSK	1	1	21.81	21.88	21.83	23.0	0.0



n71 Default Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.07	22.18	22.14		
20	PI2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI2 BPSK	1	104	21.91	22.06	21.99		
20	PI2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI2 BPSK	50	56	22.03	22.07	21.98		
20	PI2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.16	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	56	21.91	22.06	21.99		
20	QPSK	100	0	22.03	22.13	21.99	23.0	0.0
20	16QAM	1	1	21.96	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.99	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.49	19.42	23.0	3.0
Channel				133100	133100	133100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit	MPR
Frequency (MHz)				688	690.5	693	(dBm)	(dB)
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				690.5	691.5	692.5	(dBm)	(dB)
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 DS15_Standalone 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				516004	516000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	22.07	22.10	22.05		
40	PI2 BPSK	1	83	21.97	22.09	22.08	22.7	0.0
40	PI2 BPSK	1	104	21.81	21.98	21.83		
40	PI2 BPSK	80	0	21.98	22.16	22.02	22.7	0.0
40	PI2 BPSK	50	28	22.04	22.13	21.98	22.7	0.0
40	PI2 BPSK	50	56	21.94	22.05	22.01	22.7	0.0
40	PI2 BPSK	100	0	22.04	22.09	22.01		
40	QPSK	1	1	22.09	22.21	22.20		
40	QPSK	1	83	22.03	22.16	21.99	22.7	0.0
40	QPSK	1	104	22.11	22.19	22.15		
40	QPSK	50	0	22.01	22.10	22.07	22.7	0.0
40	QPSK	50	28	22.09	22.16	22.10	22.7	0.0
40	QPSK	50	56	22.00	22.03	21.87	22.7	0.0
40	QPSK	100	0	22.05	22.05	22.04		
40	16QAM	1	1	21.98	22.08	21.94	22.7	0.0
40	64QAM	1	1	20.43	20.57	20.51	21.8	1.2
40	256QAM	1	1	18.82	18.80	18.76	18.5	3.2
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2685.01	2695	2694.99		
30	QPSK	1	1	22.07	22.17	22.13	22.7	0.0
Channel				516504	519000	521498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2682.82	2695	2697.18		
25	QPSK	1	1	22.02	22.14	22.17	22.7	0.0
Channel				516000	516000	520000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	22.08	22.15	22.18	22.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.08	22.14	22.18	22.7	0.0
Channel				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.08	22.20	22.13	22.7	0.0

n41 DS15_Standalone 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				506002	518598	528600		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	21.52	21.57	21.41		
100	PI2 BPSK	1	137	21.55	21.63	21.51	22.7	0.0
100	PI2 BPSK	1	271	21.48	21.60	21.47		
100	PI2 BPSK	135	0	21.55	21.64	21.54	22.5	0.2
100	PI2 BPSK	135	69	21.51	21.63	21.47	22.7	0.0
100	PI2 BPSK	135	138	21.38	21.51	21.42	22.5	0.2
100	PI2 BPSK	270	0	21.48	21.51	21.38		
100	QPSK	1	1	21.52	21.68	21.56		
100	QPSK	1	137	21.45	21.57	21.48	22.7	0.0
100	QPSK	1	271	21.59	21.62	21.48		
100	QPSK	135	0	21.38	21.54	21.49	22.0	0.7
100	QPSK	135	69	21.53	21.66	21.45	22.7	0.0
100	QPSK	135	138	21.45	21.58	21.45	22.0	0.7
100	QPSK	270	0	21.49	21.65	21.61		
100	16QAM	1	1	21.37	21.52	21.41	22.0	0.7
100	64QAM	1	1	19.88	19.92	19.85	20.5	2.2
100	256QAM	1	1	17.72	17.83	17.75	18.5	4.2
Channel				515500	518598	529598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2641	2692.99	2644.98		
90	QPSK	1	1	21.06	21.29	21.10	22.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	21.20	21.33	21.27	22.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2631.01	2692.99	2665		
70	QPSK	1	1	21.25	21.40	21.19	22.7	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2692.99	2669.98		
60	QPSK	1	1	21.25	21.31	21.31	22.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2692.99	2664.99		
50	QPSK	1	1	21.18	21.37	21.31	22.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2616.01	2692.99	2660		
40	QPSK	1	1	21.25	21.38	21.29	22.7	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2611	2692.99	2674.98		
30	QPSK	1	1	21.21	21.29	21.29	22.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2606.02	2692.99	2679.99		
20	QPSK	1	1	21.21	21.43	21.28	22.7	0.0



n41 PC2 DSI5_Standalone Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				506002	518598	526000	
Frequency (MHz)				2440.01	2592.99	2640	
100	PI2 BPSK	1	1	24.65	24.74	24.67	
100	PI2 BPSK	1	137	24.55	24.70	24.62	25.7
100	PI2 BPSK	1	271	24.48	24.64	24.60	
100	PI2 BPSK	135	0	24.38	24.55	24.53	25.7
100	PI2 BPSK	135	69	24.51	24.67	24.66	25.7
100	PI2 BPSK	135	138	24.45	24.60	24.53	25.7
100	PI2 BPSK	270	0	24.51	24.64	24.58	
100	QPSK	1	1	24.73	24.81	24.74	
100	QPSK	1	137	24.64	24.75	24.66	25.7
100	QPSK	1	271	24.48	24.66	24.65	
100	QPSK	135	0	24.01	24.21	24.19	25.5
100	QPSK	135	69	24.69	24.76	24.70	25.7
100	QPSK	135	138	24.08	24.24	24.14	25.5
100	QPSK	270	0	24.02	24.15	24.10	
100	16QAM	1	1	23.95	24.14	24.08	25.5
100	64QAM	1	1	22.41	22.63	22.48	24.0
100	256QAM	1	1	20.41	20.63	20.48	22.0
Channel				510000	518598	526998	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	24.27	24.46	24.25	25.7
Channel				507204	518598	526998	
Frequency (MHz)				2638.02	2592.99	2644.99	
80	QPSK	1	1	24.19	24.46	24.32	25.7
Channel				506002	518598	531000	
Frequency (MHz)				2531.01	2592.99	2695	
70	QPSK	1	1	24.26	24.35	24.34	25.7
Channel				505000	518598	531998	
Frequency (MHz)				2426	2592.99	2699.98	
60	QPSK	1	1	24.29	24.42	24.29	25.7
Channel				510000	518598	532000	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	24.17	24.35	24.20	25.7
Channel				503002	518598	534000	
Frequency (MHz)				2416.01	2592.99	2699	
40	QPSK	1	1	24.21	24.39	24.30	25.7
Channel				502000	518598	534998	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	24.42	24.39	24.27	25.7
Channel				501204	518598	535998	
Frequency (MHz)				2606.02	2592.99	2679.99	
20	QPSK	1	1	24.16	24.46	24.29	25.7

n48 Part96 Default Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				638000	641666	645332	
Frequency (MHz)				3370	3624.99	3679.98	
40	PI2 BPSK	1	1	23.65	23.66	23.63	
40	PI2 BPSK	1	53	23.53	23.62	23.55	24.0
40	PI2 BPSK	1	104	23.49	23.52	23.45	
40	PI2 BPSK	50	0	23.28	23.35	23.23	23.5
40	PI2 BPSK	50	26	23.53	23.67	23.56	24.0
40	PI2 BPSK	50	56	23.14	23.18	23.14	23.5
40	PI2 BPSK	100	0	23.14	23.22	23.22	
40	QPSK	1	1	23.65	23.73	23.56	
40	QPSK	1	53	23.54	23.62	23.60	24.0
40	QPSK	1	104	23.41	23.62	23.51	
40	QPSK	50	0	22.85	22.82	22.64	23.0
40	QPSK	50	28	23.80	23.70	23.47	24.0
40	QPSK	50	56	22.57	22.69	22.64	23.0
40	QPSK	100	0	22.63	22.62	22.71	
40	16QAM	1	1	22.56	22.67	22.58	23.0
40	64QAM	1	1	21.03	21.18	21.09	21.5
40	256QAM	1	1	19.17	19.25	19.25	19.5
Channel				#REF!	#REF!	#REF!	
Frequency (MHz)				#REF!	#REF!	#REF!	
30	QPSK	1	1	23.16	23.22	23.03	#REF!
Channel				#REF!	#REF!	#REF!	
Frequency (MHz)				#REF!	#REF!	#REF!	
20	QPSK	1	1	23.16	23.19	23.05	#REF!
Channel				#REF!	#REF!	#REF!	
Frequency (MHz)				#REF!	#REF!	#REF!	
10	QPSK	1	1	23.16	23.25	23.05	#REF!



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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)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.79	22.90	22.78		
100	Pl2 BPSK	1	137	22.68	22.75	22.82	24.0	0.0
100	Pl2 BPSK	1	271	22.83	22.78	22.65		
100	Pl2 BPSK	135	0	22.27	22.32	22.26	23.5	0.5
100	Pl2 BPSK	135	69	22.76	22.86	22.78	24.0	0.0
100	Pl2 BPSK	135	138	22.34	22.36	22.19	23.5	0.5
100	Pl2 BPSK	270	0	22.34	22.37	22.35		
100	QPSK	1	1	22.89	22.95	22.89		
100	QPSK	1	137	22.89	22.84	22.81	24.0	0.0
100	QPSK	1	271	22.68	22.76	22.67		
100	QPSK	135	0	21.90	22.10	22.00	23.0	1.0
100	QPSK	135	69	22.73	22.81	22.78	24.0	0.0
100	QPSK	135	138	21.89	22.11	21.94	23.0	1.0
100	QPSK	270	0	22.01	22.02	21.93		
100	16QAM	1	1	21.95	21.98	21.83	23.0	1.0
100	64QAM	1	1	20.32	20.40	20.38	21.5	2.5
100	256QAM	1	1	18.58	18.72	18.68	19.5	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.78	22.87	22.86	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	22.73	22.88	22.72	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.78	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000		
40	QPSK	1	1	22.84	22.91	22.83	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3965.01		
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)				647160	650000	654834		
15	QPSK	1	1	22.84	22.88	22.79	24.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.92	22.92	22.78	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.78	25.79	25.78		
100	Pl2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0
100	Pl2 BPSK	1	271	25.86	25.72	25.56		
100	Pl2 BPSK	135	0	25.84	25.59	25.61	27.0	0.0
100	Pl2 BPSK	135	69	25.86	25.79	25.81	27.0	0.0
100	Pl2 BPSK	135	138	25.83	25.70	25.86	27.0	0.0
100	Pl2 BPSK	270	0	25.58	25.76	25.63		
100	QPSK	1	1	25.85	25.96	25.83		
100	QPSK	1	137	25.81	25.75	25.75	27.0	0.0
100	QPSK	1	271	25.59	25.75	25.71		
100	QPSK	135	0	25.24	25.38	25.40	26.5	0.5
100	QPSK	135	69	25.84	25.88	25.81	27.0	0.0
100	QPSK	135	138	25.12	25.33	25.15	26.5	0.5
100	QPSK	270	0	25.26	25.38	25.24		
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5
100	64QAM	1	1	23.83	23.75	23.52	25.0	2.0
100	256QAM	1	1	21.00	21.98	21.77	23.0	4.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0
Channel								
Frequency (MHz)				648334	650000	652668		
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650334		
60	QPSK	1	1	25.70	25.87	25.69	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	654000		
40	QPSK	1	1	25.79	25.80	25.87	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3965.01		
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.88	25.92	25.75	27.0	0.0
Channel								
Frequency (MHz)				647160	650000	654834		
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	25.80	25.87	25.72	27.0	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)						3500.01		
100	Pl2 BPSK	1	1			22.41		
100	Pl2 BPSK	1	137			23.32	24.0	0.0
100	Pl2 BPSK	1	271			23.26		
100	Pl2 BPSK	135	0			22.88	23.5	0.5
100	Pl2 BPSK	135	69			23.08	24.0	0.0
100	Pl2 BPSK	135	138			22.81	23.5	0.5
100	Pl2 BPSK	270	0			22.74		
100	QPSK	1	1			23.45		
100	QPSK	1	137			23.30	24.0	0.0
100	QPSK	1	271			23.35		
100	QPSK	135	0			23.43	23.0	1.0
100	QPSK	135	69			23.22	24.0	0.0
100	QPSK	135	138			22.56	23.0	1.0
100	QPSK	270	0			22.53		
100	16QAM	1	1			22.15	21.5	2.5
100	64QAM	1	1			20.84	19.5	4.5
100	256QAM	1	1			18.96	18.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	23.29	23.30	23.29	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	23.29	23.39	23.29	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	23.34	23.38	23.34	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000		
50	QPSK	1	1	23.31	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	23.32	23.29	23.33	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	3465	3500.01	3535.01		
Channel								
Frequency (MHz)				630668	633334	636000		
20	QPSK	1	1	23.35	23.34	23.36	24.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334		
15	QPSK	1	1	23.40	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)				630000	633334	636668		
10	QPSK	1	1	23.35	23.32	23.41	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.54			
100	PI2 BPSK	1	271		20.32		27.0	0.0
100	PI2 BPSK	135	0		20.51			
100	PI2 BPSK	135	69		20.34		27.0	0.0
100	PI2 BPSK	135	138		20.44		27.0	0.0
100	PI2 BPSK	270	0		20.18		27.0	0.0
100	PI2 BPSK	270	0		20.27			
100	QPSK	1	1		20.00			
100	QPSK	1	137		20.36		27.0	0.0
100	QPSK	1	271		20.30			
100	QPSK	135	0		20.58		26.5	0.5
100	QPSK	135	69		20.42		27.0	0.0
100	QPSK	135	138		20.90		26.5	0.5
100	QPSK	270	0		20.15		26.5	0.5
100	16QAM	1	1		20.02		26.5	0.5
100	64QAM	1	1		24.61		25.0	2.0
100	256QAM	1	1		22.46		23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	20.47	20.46	20.58	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.48	20.58	20.53	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.50	20.51	20.49	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.56	20.47	20.56	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631803	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.48	20.45	20.43	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.54	20.51	20.51	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.56	20.52	20.53	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	20.58	20.57	20.56	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	633100	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.57	20.58	20.54	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	20.50	20.45	20.55	27.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		22.90			
100	PI2 BPSK	1	137		22.85		24.0	0.0
100	PI2 BPSK	1	271		22.81			
100	PI2 BPSK	135	0		22.33		23.5	0.5
100	PI2 BPSK	135	69		22.86		24.0	0.0
100	PI2 BPSK	135	138		22.32		23.5	0.5
100	PI2 BPSK	270	0		22.40			
100	QPSK	1	1		22.91		24.0	0.0
100	QPSK	1	137		22.82			
100	QPSK	1	271		22.72			
100	QPSK	135	0		22.05		23.0	1.0
100	QPSK	135	69		22.82		24.0	0.0
100	QPSK	135	138		21.90		23.0	1.0
100	QPSK	270	0		21.93			
100	16QAM	1	1		21.71		21.5	2.5
100	64QAM	1	1		20.36		19.5	4.5
100	256QAM	1	1		18.03		17.5	4.5
Channel								
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3765.01	24.0	0.0
Channel								
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.88	22.85	22.86	24.0	0.0
Channel								
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.53	22.80	22.82	24.0	0.0
Channel								
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.87	22.78	22.86	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.77	22.77	22.87	24.0	0.0
Channel								
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.58	22.80	22.77	24.0	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.58	22.78	22.76	24.0	0.0
Channel								
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.80	22.84	22.85	24.0	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.77	22.79	22.84	24.0	0.0
Channel								
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.90	22.75	22.86	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		25.90			
100	PI2 BPSK	1	137		25.74		27.0	0.0
100	PI2 BPSK	1	271		25.70			
100	PI2 BPSK	135	0		25.79		27.0	0.0
100	PI2 BPSK	135	69		25.87		27.0	0.0
100	PI2 BPSK	135	138		25.75		27.0	0.0
100	PI2 BPSK	270	0		25.78			
100	QPSK	1	1		25.94		27.0	0.0
100	QPSK	1	137		25.86			
100	QPSK	1	271		25.89			
100	QPSK	135	0		25.64		26.5	0.5
100	QPSK	135	69		25.88		27.0	0.0
100	QPSK	135	138		25.40		26.5	0.5
100	QPSK	270	0		25.92			
100	16QAM	1	1		25.40		25.0	0.5
100	64QAM	1	1		23.91		23.0	2.0
100	256QAM	1	1		22.07		22.0	4.0
Channel								
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3765.01	27.0	0.0
Channel								
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	25.91	25.90	25.91	27.0	0.0
Channel								
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	25.88	25.79	25.82	27.0	0.0
Channel								
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	25.85	25.80	25.78	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	25.77	25.78	25.84	27.0	0.0
Channel								
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	25.80	25.80	25.79	27.0	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	25.84	25.78	25.86	27.0	0.0
Channel								
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	25.86	25.89	25.78	27.0	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	25.77	25.91	25.88	27.0	0.0
Channel								
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	25.83	25.87	25.87	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		23.30			
100	PI2 BPSK	1	137		23.29		24.0	0.0
100	PI2 BPSK	1	271		23.46			
100	PI2 BPSK	135	0		23.09		23.5	0.5
100	PI2 BPSK	135	69		23.33		24.0	0.0
100	PI2 BPSK	135	138		22.99		23.5	0.5
100	PI2 BPSK	270	0		23.12			
100	QPSK	1	1		23.41		24.0	0.0
100	QPSK	1	137		23.19			
100	QPSK	1	271		23.35			
100	QPSK	135	0		22.71		23.0	1.0
100	QPSK	135	69		23.40		24.0	0.0
100	QPSK	135	138		22.81		23.0	1.0
100	QPSK	270	0		22.96			
100	16QAM	1	1		22.37		21.5	2.5
100	64QAM	1	1		21.25		19.5	4.5
100	256QAM	1	1		18.31		17.5	4.5
Channel								
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	23.28	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	23.34	23.39	23.25	24.0	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.32	23.34	23.39	24.0	0.0
Channel								
Frequency (MHz)				3490	3500.01	3510.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.35	23.33	23.32	24.0	0.0
Channel								
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.27	23.26	23.39	24.0	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.25	23.34	23.24	24.0	0.0
Channel								
Frequency (MHz)				3480.02	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.33	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.28	23.31	23.26	24.0	0.0
Channel								
Frequency (MHz)				3462.01	3500.01	3542.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.25	23.25	23.25	24.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel					3000.01			
Frequency (MHz)					3000.01			
100	PI2 BPSK	1	1	28.43				
100	PI2 BPSK	1	137	28.12			27.0	0.0
100	PI2 BPSK	1	271	28.39				
100	PI2 BPSK	135	0	28.23			27.0	0.0
100	PI2 BPSK	135	69	28.60			27.0	0.0
100	PI2 BPSK	135	138	28.12			27.0	0.0
100	PI2 BPSK	270	0	25.98				
100	QPSK	1	1	28.51				
100	QPSK	1	137	28.27			27.0	0.0
100	QPSK	1	271	28.40				
100	QPSK	135	0	25.81			26.5	0.5
100	QPSK	135	69	28.30			27.0	0.0
100	QPSK	135	138	28.89			26.5	0.5
100	QPSK	270	0	25.55				
100	16QAM	1	1	25.76			26.5	0.5
100	64QAM	1	1	24.17			25.0	2.0
100	256QAM	1	1	22.12			23.0	4.0
Channel				633000	633334	633668		
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	28.47	28.36	28.41	27.0	0.0
Channel				632068	633334	634000		
Frequency (MHz)				3480.02	3500.01	3520		
80	QPSK	1	1	28.41	28.40	28.45	27.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	28.47	28.47	28.37	27.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3505.02		
60	QPSK	1	1	28.35	28.37	28.47	27.0	0.0
Channel				631000	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	28.49	28.48	28.48	27.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3480.01	3520.01	3528.01		
40	QPSK	1	1	28.41	28.43	28.47	27.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3485	3500.01	3535.02		
30	QPSK	1	1	28.38	28.47	28.42	27.0	0.0
Channel				630568	633334	635900		
Frequency (MHz)				3480.02	3500.01	3540		
20	QPSK	1	1	28.47	28.44	28.41	27.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3475.01	3500.01	3542.02		
15	QPSK	1	1	28.45	28.49	28.47	27.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3480.01	3500.01	3543.01		
10	QPSK	1	1	28.36	28.47	28.43	27.0	0.0



n2 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1660	1680	1690			
20	PI2 BPSK	1	1	21.50	21.62	21.58			
20	PI2 BPSK	1	53	21.45	21.58	21.44	23.0	0.0	
20	PI2 BPSK	1	104	21.46	21.50	21.35			
20	PI2 BPSK	50	0	21.40	21.44	21.31	23.0	0.0	
20	PI2 BPSK	50	28	21.42	21.54	21.42	23.0	0.0	
20	PI2 BPSK	50	56	21.44	21.49	21.44	23.0	0.0	
20	PI2 BPSK	100	0	21.46	21.51	21.39	23.0	0.0	
20	QPSK	1	1	21.54	21.66	21.57			
20	QPSK	1	53	21.61	21.64	21.54	23.0	0.0	
20	QPSK	1	104	21.68	21.55	21.43			
20	QPSK	50	0	21.50	21.59	21.46	23.0	0.0	
20	QPSK	50	28	21.51	21.61	21.49	23.0	0.0	
20	QPSK	50	56	21.39	21.52	21.49	23.0	0.0	
20	QPSK	100	0	21.46	21.55	21.44	23.0	0.0	
20	16QAM	1	1	21.33	21.46	21.32	23.0	0.0	
20	64QAM	1	1	20.83	20.70	20.57	22.0	1.0	
20	256QAM	1	1	18.54	18.01	18.48	23.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	21.49	21.61	21.51	23.0	0.0	
Channel									
Frequency (MHz)				37000	376000	381000			
10	QPSK	1	1	21.40	21.60	21.53	23.0	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	21.43	21.58	21.54	23.0	0.0	

n5 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				16680	16790	16760			
20	PI2 BPSK	1	1	22.58	22.62	22.53			
20	PI2 BPSK	1	53	22.42	22.53	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.44	22.50	22.38	24.0	0.0	
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.56	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0	
20	QPSK	100	0	22.47	22.56	22.51	24.0	0.0	
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.0	
20	256QAM	1	1	21.71	21.81	21.73	23.0	1.0	
Channel									
Frequency (MHz)				16300	16300	16300			
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel									
Frequency (MHz)				16580	16790	16800			
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel									
Frequency (MHz)				166300	167900	169300			
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 DSI5_Standalone Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2500	2535	2550			
40	PI2 BPSK	1	1	17.38	17.50	17.38			
40	PI2 BPSK	1	108	17.40	17.46	17.35	18.5	0.0	
40	PI2 BPSK	1	214	17.38	17.43	17.35			
40	PI2 BPSK	108	0	17.31	17.39	17.31	18.5	0.0	
40	PI2 BPSK	108	54	17.33	17.47	17.40	18.5	0.0	
40	PI2 BPSK	108	108	17.47	17.50	17.48	18.5	0.0	
40	PI2 BPSK	216	0	17.40	17.46	17.32			
40	QPSK	1	1	17.50	17.55	17.41			
40	QPSK	1	108	17.34	17.48	17.33	18.5	0.0	
40	QPSK	1	214	17.42	17.48	17.40			
40	QPSK	108	0	17.41	17.51	17.35	18.5	0.0	
40	QPSK	108	54	17.45	17.53	17.40	18.5	0.0	
40	QPSK	108	108	17.25	17.39	17.30	18.5	0.0	
40	QPSK	216	0	17.47	17.49	17.46			
40	16QAM	1	1	17.41	17.49	17.46	18.5	0.0	
40	64QAM	1	1	17.28	17.42	17.34	18.5	0.0	
40	256QAM	1	1	17.26	17.36	17.22	18.5	0.0	
Channel									
Frequency (MHz)				50000	507000	510000			
30	QPSK	1	1	17.24	17.37	17.17	18.5	0.0	
Channel									
Frequency (MHz)				502500	507000	510500			
25	QPSK	1	1	17.23	17.27	17.26	18.5	0.0	
Channel									
Frequency (MHz)				502000	507000	510000			
20	PI2 BPSK	1	1	17.34	17.34	17.15	18.5	0.0	
Channel									
Frequency (MHz)				501500	507000	510500			
15	QPSK	1	1	17.28	17.30	17.23	18.5	0.0	
Channel									
Frequency (MHz)				501000	507000	510000			
10	QPSK	1	1	17.22	17.28	17.22	18.5	0.0	
Channel									
Frequency (MHz)				500500	507000	510000			
5	QPSK	1	1	17.28	17.29	17.16	18.5	0.0	



n25 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1882.5	1895			
40	PI/2 BPSK	1	1	21.48	21.53	21.44	23.0	0.0	
40	PI/2 BPSK	1	108	21.32	21.41	21.36			
40	PI/2 BPSK	1	214	21.32	21.43	21.34			
40	PI/2 BPSK	108	0	21.42	21.52	21.45	23.0	0.0	
40	PI/2 BPSK	108	54	21.39	21.46	21.43	23.0	0.0	
40	PI/2 BPSK	108	108	21.38	21.45	21.39	23.0	0.0	
40	PI/2 BPSK	216	0	21.33	21.41	21.28			
40	QPSK	1	1	21.62	21.66	21.57			
40	QPSK	1	108	21.43	21.54	21.49	23.0	0.0	
40	QPSK	1	214	21.41	21.48	21.40			
40	QPSK	108	0	21.48	21.55	21.47	23.0	0.0	
40	QPSK	108	54	21.53	21.58	21.48	23.0	0.0	
40	QPSK	108	108	21.38	21.46	21.39	23.0	0.0	
40	QPSK	216	0	21.47	21.51	21.43			
40	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
40	64QAM	1	1	20.43	20.47	20.35	22.0	1.0	
40	256QAM	1	1	18.58	18.67	18.68	23.0	3.0	
Channel									
Frequency (MHz)				1885	1892.5	1900			
30	QPSK	1	1	21.50	21.52	21.45	23.0	0.0	
Channel									
Frequency (MHz)				372000	376500	380500			
25	QPSK	1	1	21.55	21.61	21.47	23.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	21.53	21.58	21.44	23.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	21.56	21.62	21.49	23.0	0.0	
Channel									
Frequency (MHz)				1885	1892.5	1910			
10	QPSK	1	1	21.55	21.57	21.53	23.0	0.0	
Channel									
Frequency (MHz)				1892.5	1892.5	1892.5			
5	QPSK	1	1	21.48	21.56	21.52	23.0	0.0	

n30 DSI5_Standalone Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2310					
10	PI/2 BPSK	1	1		17.65		19.1	0.0	
10	PI/2 BPSK	1	26		17.77				
10	PI/2 BPSK	1	50		17.86				
10	PI/2 BPSK	25	0		17.79		19.1	0.0	
10	PI/2 BPSK	25	14		17.82		19.1	0.0	
10	PI/2 BPSK	25	27		17.74		19.1	0.0	
10	PI/2 BPSK	50	0		17.82		19.1	0.0	
10	QPSK	1	1		17.89				
10	QPSK	1	26		17.73		19.1	0.0	
10	QPSK	1	50		17.76				
10	QPSK	25	0		17.77		19.1	0.0	
10	QPSK	25	14		17.82		19.1	0.0	
10	QPSK	25	27		17.74		19.1	0.0	
10	QPSK	50	0		17.84		19.1	0.0	
10	16QAM	1	1		17.79		19.1	0.0	
10	64QAM	1	1		17.82		19.1	0.0	
10	256QAM	1	1		17.73		19.1	0.0	
Channel									
Frequency (MHz)				461900	462000	462500			
5	QPSK	1	1		2307.5	2310	2312.5	23.0	0.0
Channel									
Frequency (MHz)				1766	1771	1788			
5	QPSK	1	1		17.66	17.71	17.88	19.1	0.0

n66 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.01	22.11	22.07	23.0	0.0	
40	PI/2 BPSK	1	108	21.97	22.07	21.94			
40	PI/2 BPSK	1	214	21.90	21.96	21.82			
40	PI/2 BPSK	108	0	21.77	21.90	21.86	23.0	0.0	
40	PI/2 BPSK	108	54	21.94	22.05	22.01	23.0	0.0	
40	PI/2 BPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	PI/2 BPSK	216	0	21.84	21.95	21.83			
40	QPSK	1	1	22.06	22.18	22.01			
40	QPSK	1	108	22.05	22.12	22.06	23.0	0.0	
40	QPSK	1	214	22.02	22.07	22.00			
40	QPSK	108	0	21.81	21.93	21.83	23.0	0.0	
40	QPSK	108	54	21.95	21.99	21.86	23.0	0.0	
40	QPSK	108	108	21.87	21.93	21.80	23.0	0.0	
40	QPSK	216	0	21.92	21.98	21.82			
40	16QAM	1	1	21.88	21.91	21.78	23.0	0.0	
40	64QAM	1	1	20.61	20.73	20.66	22.0	1.0	
40	256QAM	1	1	18.34	18.49	18.38	20.0	3.0	
Channel									
Frequency (MHz)				345000	349000	353000			
30	QPSK	1	1	21.96	22.14	21.87	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	354000			
20	QPSK	1	1	21.99	22.10	21.90	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	354500			
15	QPSK	1	1	22.00	22.05	21.93	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	355000			
10	QPSK	1	1	21.96	22.07	21.86	23.0	0.0	
Channel									
Frequency (MHz)				1732.5	1745	1772.5			
5	QPSK	1	1	22.01	22.04	21.91	23.0	0.0	



n70 Default Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. J. Freq.	Power Middle Ch. J. Freq.	Power High Ch. J. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1	22.08			23.0	0.0
15	PI2 BPSK	1	40	21.95				
15	PI2 BPSK	1	77	21.40				
15	PI2 BPSK	36	0	22.03			22.5	0.5
15	PI2 BPSK	36	22	22.06			23.0	0.0
15	PI2 BPSK	36	43	21.38			22.5	0.5
15	PI2 BPSK	75	0	21.45				
15	QPSK	1	1	22.11			23.0	0.0
15	QPSK	1	40	22.06				
15	QPSK	1	77	22.07				
15	QPSK	36	0	21.06			22.0	1.0
15	QPSK	36	22	22.07			23.0	0.0
15	QPSK	36	43	20.96			22.0	1.0
15	QPSK	75	0	21.14				
15	16QAM	1	1	21.18			22.0	1.0
15	64QAM	1	1	19.76			20.5	2.5
15	256QAM	1	1	17.67			18.5	4.5
Channel				340000	340500	341000	Tune-up limit	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	21.98	22.04	21.97	23.0	0.0
Channel				339500	340500	341500	Tune-up limit	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	21.97	22.03	22.01	23.0	0.0



n38 DS15_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				516004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	16.90	16.97	16.82		
40	PI2 BPSK	1	53	16.81	16.90	16.86	18.3	0.0
40	PI2 BPSK	1	104	16.70	16.88	16.79		
40	PI2 BPSK	50	0	16.86	16.90	16.88	18.3	0.0
40	PI2 BPSK	50	28	16.96	16.93	16.83	18.3	0.0
40	PI2 BPSK	50	56	16.85	16.85	16.82	18.3	0.0
40	PI2 BPSK	100	0	16.76	16.84	16.92		
40	QPSK	1	1	16.97	17.08	16.84		
40	QPSK	1	53	16.86	16.95	16.85	18.3	0.0
40	QPSK	1	104	16.78	16.89	16.87		
40	QPSK	50	0	16.78	16.89	16.80	18.3	0.0
40	QPSK	50	28	16.77	16.97	16.87	18.3	0.0
40	QPSK	50	56	16.76	16.87	16.79	18.3	0.0
40	QPSK	100	0	16.71	16.80	16.80		
40	16QAM	1	1	16.83	16.73	16.83	18.3	0.0
40	64QAM	1	1	16.50	16.50	16.61	18.3	0.0
40	256QAM	1	1	16.84	16.64	16.56	18.3	0.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2585	2584.99		
30	QPSK	1	1	16.93	17.04	16.80	18.3	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2580.02	2585	2607.48		
25	QPSK	1	1	16.96	17.04	16.82	18.3	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	16.84	17.01	16.80	18.3	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2585	2612.49		
15	QPSK	1	1	16.90	16.99	16.76	18.3	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2585	2614.98		
10	QPSK	1	1	16.93	17.00	16.82	18.3	0.0

n41 DS15_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518998	528900		
Frequency (MHz)				2540.01	2592.99	2540		
100	PI2 BPSK	1	1	16.91	17.00	16.86		
100	PI2 BPSK	1	137	16.82	16.96	16.84	18.3	0.0
100	PI2 BPSK	1	271	16.96	17.02	16.95		
100	PI2 BPSK	135	0	16.81	16.89	16.83	18.3	0.0
100	PI2 BPSK	135	69	16.98	16.97	16.83	18.3	0.0
100	PI2 BPSK	135	138	16.84	16.93	16.78	18.3	0.0
100	PI2 BPSK	270	0	16.82	16.95	16.87		
100	QPSK	1	1	17.04	17.07	16.99		
100	QPSK	1	137	16.94	17.01	16.87	18.3	0.0
100	QPSK	1	271	16.97	17.03	16.97		
100	QPSK	135	0	16.78	16.86	16.82	18.3	0.0
100	QPSK	135	69	16.99	17.02	16.90	18.3	0.0
100	QPSK	135	138	16.84	16.94	16.92	18.3	0.0
100	QPSK	270	0	16.76	16.93	16.78		
100	16QAM	1	1	16.87	17.00	16.86	18.3	0.0
100	64QAM	1	1	16.77	16.94	16.89	18.3	0.0
100	256QAM	1	1	16.75	16.81	16.77	18.3	0.0
Channel				510000	518998	529998		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.76	16.79	16.71	18.3	0.0
Channel				507204	518998	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	16.80	16.84	16.80	18.3	0.0
Channel				506202	518998	531000		
Frequency (MHz)				2631.01	2692.99	2665		
70	QPSK	1	1	16.85	16.81	16.70	18.3	0.0
Channel				505200	518998	531998		
Frequency (MHz)				2626	2692.99	2669.98		
60	QPSK	1	1	16.81	16.76	16.73	18.3	0.0
Channel				504204	518998	532998		
Frequency (MHz)				2621.02	2692.99	2664.99		
50	QPSK	1	1	16.80	16.82	16.69	18.3	0.0
Channel				503202	518998	534000		
Frequency (MHz)				2616.01	2692.99	2661		
40	QPSK	1	1	16.82	16.77	16.72	18.3	0.0
Channel				502200	518998	534998		
Frequency (MHz)				2611	2692.99	2674.98		
30	QPSK	1	1	16.73	16.70	16.60	18.3	0.0
Channel				501204	518998	535998		
Frequency (MHz)				2606.02	2692.99	2678.99		
20	QPSK	1	1	16.71	16.80	16.78	18.3	0.0



n41 PC2 DSI5_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518598	526000			
Frequency (MHz)				2540.01	2592.99	2540			
100	PI2 BPSK	1	1	19.92	20.04	19.82			
100	PI2 BPSK	1	137	19.83	19.93	19.81	21.3	0.0	
100	PI2 BPSK	1	271	19.89	19.97	19.83			
100	PI2 BPSK	135	0	19.85	19.79	19.87	21.3	0.0	
100	PI2 BPSK	135	69	19.97	20.00	19.85	21.3	0.0	
100	PI2 BPSK	135	138	19.90	19.88	19.85	21.3	0.0	
100	PI2 BPSK	270	0	19.85	19.95	19.83			
100	QPSK	1	1	20.05	20.10	19.97			
100	QPSK	1	137	19.72	19.85	19.78	21.3	0.0	
100	QPSK	1	271	19.95	19.98	19.85			
100	QPSK	135	0	19.34	19.48	19.40	21.3	0.0	
100	QPSK	135	69	19.89	19.99	19.93	21.3	0.0	
100	QPSK	135	138	19.35	19.40	19.32	21.3	0.0	
100	QPSK	270	0	19.33	19.45	19.37			
100	16QAM	1	1	19.48	19.53	19.41	21.3	0.0	
100	64QAM	1	1	19.31	19.35	19.40	21.3	0.0	
100	256QAM	1	1	19.40	19.30	19.32	21.3	0.0	
Channel				510000	519598	529098			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.38	19.36	19.32	21.3	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2638.03	2692.99	2644.99			
80	QPSK	1	1	19.33	19.39	19.41	21.3	0.0	
Channel				506002	518598	531000			
Frequency (MHz)				2631.01	2692.99	2695			
70	QPSK	1	1	19.31	19.43	19.44	21.3	0.0	
Channel				505000	518598	531998			
Frequency (MHz)				2628	2692.99	2699.98			
60	QPSK	1	1	19.36	19.45	19.45	21.3	0.0	
Channel				504004	518598	532998			
Frequency (MHz)				2621.02	2692.99	2694.99			
50	QPSK	1	1	19.33	19.52	19.39	21.3	0.0	
Channel				503002	518598	534000			
Frequency (MHz)				2616.01	2692.99	2693			
40	QPSK	1	1	19.37	19.40	19.40	21.3	0.0	
Channel				502000	518598	534998			
Frequency (MHz)				2611	2692.99	2674.98			
30	QPSK	1	1	19.42	19.30	19.31	21.3	0.0	
Channel				501004	518598	535998			
Frequency (MHz)				2606.02	2692.99	2679.99			
20	QPSK	1	1	19.31	19.35	19.42	21.3	0.0	

n48 Part96 DSI5_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				3370	3624.99	3679.98			
40	PI2 BPSK	1	1	20.29	20.49	20.38			
40	PI2 BPSK	1	53	20.36	20.45	20.35	21.8	0.0	
40	PI2 BPSK	1	104	20.28	20.41	20.29			
40	PI2 BPSK	50	0	20.20	20.39	20.33	21.8	0.0	
40	PI2 BPSK	50	26	20.38	20.48	20.37	21.8	0.0	
40	PI2 BPSK	50	55	20.40	20.55	20.37	21.8	0.0	
40	PI2 BPSK	100	0	20.33	20.48	20.41			
40	QPSK	1	1	20.49	20.61	20.50			
40	QPSK	1	53	20.51	20.49	20.35	21.8	0.0	
40	QPSK	1	104	20.45	20.50	20.38			
40	QPSK	50	0	20.42	20.41	20.38	21.8	0.0	
40	QPSK	50	28	20.38	20.56	20.45	21.8	0.0	
40	QPSK	50	56	20.38	20.48	20.35	21.8	0.0	
40	QPSK	100	0	20.29	20.37	20.34			
40	16QAM	1	1	20.59	20.51	20.45	21.8	0.0	
40	64QAM	1	1	20.43	20.44	20.27	21.5	0.3	
40	256QAM	1	1	18.11	18.03	18.09	18.5	2.3	
Channel				637000	641666	646000			
Frequency (MHz)				3665.02	3694.99	3684.99			
30	QPSK	1	1	20.45	20.58	20.44	21.8	0.0	
Channel				637000	641666	646000			
Frequency (MHz)				3660.01	3624.99	3660			
20	QPSK	1	1	20.39	20.55	20.44	21.8	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	20.44	20.58	20.43	21.8	0.0	



Part270 n77 DS15_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	19.52	19.53	19.76		
100	PI2 BPSK	1	137	19.86	20.00	19.86	21.4	0.0
100	PI2 BPSK	1	271	19.97	20.06	19.85		
100	PI2 BPSK	135	0	19.90	20.02	19.83	21.4	0.0
100	PI2 BPSK	135	69	19.85	20.00	19.82		
100	PI2 BPSK	135	138	19.85	19.99	19.96	21.4	0.0
100	PI2 BPSK	270	0	19.95	20.05	19.85		
100	QPSK	1	1	19.93	20.25	20.04		
100	QPSK	1	137	19.94	19.96	19.89	21.4	0.0
100	QPSK	1	271	19.97	19.99	19.91		
100	QPSK	135	0	19.81	19.92	19.92	21.4	0.0
100	QPSK	135	69	19.98	20.09	19.89		
100	QPSK	135	138	19.79	19.96	19.88	21.4	0.0
100	QPSK	270	0	19.96	20.00	19.95		
100	16QAM	1	1	19.86	19.98	19.87	21.4	0.0
100	64QAM	1	1	19.49	19.58	19.54	21.4	0.0
100	256QAM	1	1	17.64	17.72	17.77	19.5	1.9
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.91	20.17	20.01	21.4	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	19.84	20.20	19.95	21.4	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	19.87	20.17	19.95	21.4	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.88	20.16	19.98	21.4	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	19.87	20.21	19.99	21.4	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	19.35	20.18	19.99	21.4	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.83	20.21	20.01	21.4	0.0
Channel								
Frequency (MHz)				647160	650000	654334		
15	QPSK	1	1	19.88	20.17	19.96	21.4	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.90	20.21	20.00	21.4	0.0

Part270 n77 PC2 DS15_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	23.04	23.11	23.10		
100	PI2 BPSK	1	137	22.89	23.03	23.04	24.4	0.0
100	PI2 BPSK	1	271	22.93	23.15	23.08		
100	PI2 BPSK	135	0	23.11	23.11	23.06	24.4	0.0
100	PI2 BPSK	135	69	22.97	23.07	23.02		
100	PI2 BPSK	135	138	22.96	23.06	22.94	24.4	0.0
100	PI2 BPSK	270	0	22.98	23.01	22.97		
100	QPSK	1	1	23.05	23.38	23.17		
100	QPSK	1	137	23.06	23.19	23.11	24.4	0.0
100	QPSK	1	271	22.94	23.17	23.06		
100	QPSK	135	0	22.96	23.06	22.97	24.4	0.0
100	QPSK	135	69	23.06	23.15	23.09		
100	QPSK	135	138	22.91	23.09	22.96	24.4	0.0
100	QPSK	270	0	22.96	23.15	23.04		
100	16QAM	1	1	22.96	23.12	22.94	24.4	0.0
100	64QAM	1	1	22.98	23.01	22.89	24.4	0.0
100	256QAM	1	1	21.38	21.47	21.40	23.0	1.4
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.02	23.34	23.15	24.4	0.0
Channel								
Frequency (MHz)				649334	650000	650668		
80	QPSK	1	1	22.95	23.32	23.11	24.4	0.0
Channel								
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.01	23.31	23.09	24.4	0.0
Channel								
Frequency (MHz)				649668	650000	650334		
60	QPSK	1	1	22.96	23.29	23.14	24.4	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.99	23.32	23.10	24.4	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	23.02	23.33	23.14	24.4	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	22.97	23.34	23.14	24.4	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.95	23.29	23.14	24.4	0.0
Channel								
Frequency (MHz)				647160	650000	654334		
15	QPSK	1	1	22.99	23.33	23.14	24.4	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.96	23.29	23.10	24.4	0.0

Part27Q n77 DS15_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			20.14		
100	PI2 BPSK	1	137			20.08	21.4	0.0
100	PI2 BPSK	1	271			20.08		
100	PI2 BPSK	135	0			20.04	21.4	0.0
100	PI2 BPSK	135	69			20.16		
100	PI2 BPSK	135	138			20.06	21.4	0.0
100	PI2 BPSK	270	0			20.02		
100	QPSK	1	1			20.36		
100	QPSK	1	137			20.05	21.4	0.0
100	QPSK	1	271			20.14		
100	QPSK	135	0			20.08	21.4	0.0
100	QPSK	135	69			20.33		
100	QPSK	135	138			20.14	21.4	0.0
100	QPSK	270	0			20.03		
100	16QAM	1	1			20.17	21.4	0.0
100	64QAM	1	1			19.71	21.4	0.0
100	256QAM	1	1			17.77	19.5	1.9
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	19.93	19.95	20.01	21.4	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	19.96	19.99	20.04	21.4	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	20.01	19.99	20.00	21.4	0.0
Channel								
Frequency (MHz)				632000	633334	633668		
60	QPSK	1	1	19.96	19.97	20.04	21.4	0.0
Channel								
Frequency (MHz)				631668	632334	633000		
50	QPSK	1	1	19.99	19.96	19.97	21.4	0.0
Channel								
Frequency (MHz)				631334	633334	633668		
40	QPSK	1	1	20.00	19.98	19.99	21.4	0.0
Channel								
Frequency (MHz)				631000	633334	633668		
30	QPSK	1	1	20.05	19.98	19.99	21.4	0.0
Channel								
Frequency (MHz)				630668	633334	633668		
20	QPSK	1	1	20.05	20.03	19.96	21.4	0.0
Channel								
Frequency (MHz)				630334	633334	633668		
15	QPSK	1	1	19.94	20.02	19.99	21.4	0.0
Channel								
Frequency (MHz)				630000	633334	633668		
10	QPSK	1	1	20.00	19.95	20.01	21.4	0.0



Part27Q n77 PC2 DSI5_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		22.90			
100	PI2 BPSK	1	271		22.87		24.4	0.0
100	PI2 BPSK	135	0		23.20			
100	PI2 BPSK	135	69		22.87		24.4	0.0
100	PI2 BPSK	135	138		22.97		24.4	0.0
100	PI2 BPSK	270	0		23.03			
100	PI2 BPSK	270	0		22.97		24.4	0.0
100	QPSK	1	1		23.41			
100	QPSK	1	137		23.01		24.4	0.0
100	QPSK	1	271		23.10			
100	QPSK	135	0		22.88		24.4	0.0
100	QPSK	135	69		23.36		24.4	0.0
100	QPSK	135	138		23.04		24.4	0.0
100	QPSK	270	0		23.20			
100	16QAM	1	1		22.98		24.4	0.0
100	64QAM	1	1		22.90		24.4	0.0
100	256QAM	1	1		21.68		23.0	14
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				23.01	22.95	22.98	24.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
				23.04	23.01	22.92	24.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				23.08	22.93	22.92	24.4	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				23.09	22.94	22.98	24.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				23.05	22.92	22.92	24.4	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
				23.01	22.92	22.96	24.4	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
				23.03	22.96	22.97	24.4	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				23.12	22.92	22.94	24.4	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630350	633334	633168	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
				23.10	23.02	22.96	24.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3455.01	3500.01	3545.01		
				23.11	22.94	23.03	24.4	0.0



Part270 n78 DSI5_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	19.65			21.4	0.0
100	PI2 BPSK	1	137	19.80				
100	PI2 BPSK	1	271	19.71				
100	PI2 BPSK	135	0	19.70			21.4	0.0
100	PI2 BPSK	135	69	19.91			21.4	0.0
100	PI2 BPSK	135	138	19.93			21.4	0.0
100	PI2 BPSK	270	0	19.75			21.4	0.0
100	QPSK	1	1	20.05			21.4	0.0
100	QPSK	1	137	19.83				
100	QPSK	1	271	19.80				
100	QPSK	135	0	19.73			21.4	0.0
100	QPSK	135	69	19.83			21.4	0.0
100	QPSK	135	138	19.73			21.4	0.0
100	QPSK	270	0	19.94			21.4	0.0
100	16QAM	1	1	19.71			21.4	0.0
100	64QAM	1	1	19.41			21.4	0.0
100	256QAM	1	1	17.57			19.8	1.9
Channel								
Frequency (MHz)				64998	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3765.01	21.4	0.0
Channel				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.69	19.92	19.81	21.4	0.0
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.70	19.77	19.69	21.4	0.0
Channel				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3750	3770.01	21.4	0.0
Channel				64800	65000	65100	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.77	19.78	19.67	21.4	0.0
Channel				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3725.01	3750	3775.02	21.4	0.0
Channel				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	21.4	0.0
Channel				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.71	19.67	19.72	21.4	0.0
Channel				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.74	19.77	19.75	21.4	0.0
Channel				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.68	19.59	19.62	21.4	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	22.91			24.4	0.0
100	PI2 BPSK	1	137	22.92				
100	PI2 BPSK	1	271	23.05				
100	PI2 BPSK	135	0	23.00			24.4	0.0
100	PI2 BPSK	135	69	22.97			24.4	0.0
100	PI2 BPSK	135	138	22.98			24.4	0.0
100	PI2 BPSK	270	0	22.81			24.4	0.0
100	QPSK	1	1	23.12			24.4	0.0
100	QPSK	1	137	22.99				
100	QPSK	1	271	22.95				
100	QPSK	135	0	22.80			24.4	0.0
100	QPSK	135	69	22.94			24.4	0.0
100	QPSK	135	138	22.93			24.4	0.0
100	QPSK	270	0	22.96			24.4	0.0
100	16QAM	1	1	22.90			24.4	0.0
100	64QAM	1	1	22.73			24.4	0.0
100	256QAM	1	1	21.18			23.0	1.4
Channel								
Frequency (MHz)				64998	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3765.01	24.4	0.0
Channel				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.53	22.87	22.54	24.4	0.0
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.41	22.85	22.52	24.4	0.0
Channel				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3750	3770.01	24.4	0.0
Channel				64800	65000	65100	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.61	22.84	22.89	24.4	0.0
Channel				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3725.01	3750	3775.02	24.4	0.0
Channel				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	24.4	0.0
Channel				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.54	22.69	22.71	24.4	0.0
Channel				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.67	22.76	22.58	24.4	0.0
Channel				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.77	22.98	22.47	24.4	0.0

Part27Q n78 DSI5_Standalone Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	20.00			21.4	0.0
100	PI2 BPSK	1	137	19.94				
100	PI2 BPSK	1	271	19.85				
100	PI2 BPSK	135	0	19.82			21.4	0.0
100	PI2 BPSK	135	69	19.98			21.4	0.0
100	PI2 BPSK	135	138	19.96			21.4	0.0
100	PI2 BPSK	270	0	19.95			21.4	0.0
100	QPSK	1	1	20.23			21.4	0.0
100	QPSK	1	137	19.99				
100	QPSK	1	271	19.92				
100	QPSK	135	0	19.82			21.4	0.0
100	QPSK	135	69	20.24			21.4	0.0
100	QPSK	135	138	19.99			21.4	0.0
100	QPSK	270	0	19.76			21.4	0.0
100	16QAM	1	1	19.88			21.4	0.0
100	64QAM	1	1	19.47			21.4	0.0
100	256QAM	1	1	17.89			19.8	1.9
Channel								
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	21.4	0.0
Channel				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.87	19.74	19.88	21.4	0.0
Channel				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.92	19.84	19.86	21.4	0.0
Channel				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3490	3500.01	3500.02	21.4	0.0
Channel				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.72	19.84	19.94	21.4	0.0
Channel				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3475.02	3500.01	3525	21.4	0.0
Channel				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3465	3500.01	3535.02	21.4	0.0
Channel				63066	63334	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.75	19.94	19.90	21.4	0.0
Channel				63030	63334	63634	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.79	19.86	19.93	21.4	0.0
Channel				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.69	19.76	19.68	21.4	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	22.44	3000.01			
100	PI2 BPSK	1	137	22.72			24.4	0.0
100	PI2 BPSK	1	271	22.89				
100	PI2 BPSK	135	0	22.79			24.4	0.0
100	PI2 BPSK	135	69	22.90				
100	PI2 BPSK	135	138	22.98			24.4	0.0
100	PI2 BPSK	270	0	22.79				
100	QPSK	1	1	23.31				
100	QPSK	1	137	22.74			24.4	0.0
100	QPSK	1	271	22.78				
100	QPSK	135	0	22.55			24.4	0.0
100	QPSK	135	69	23.25				
100	QPSK	135	138	22.87			24.4	0.0
100	QPSK	270	0	23.13				
100	16QAM	1	1	22.82				
100	16QAM	1	1	22.78			24.4	0.0
100	25QAM	1	1	21.62			23.0	1.4
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.76	22.65	22.85	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.82	22.84	22.84	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.80	22.75	22.84	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.90	22.60	22.85	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.74	22.85	22.85	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.81	22.60	22.82	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.74	22.80	22.81	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.94	22.57	22.77	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.95	22.84	22.64	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.81	22.61	22.73	Tune-up limit (dBm)	MPR (dB)



n2 DSI5_Standalone Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	23.04	23.07	22.97			
20	PI2 BPSK	1	53	22.98	23.09	22.96	24.0	0.0	
20	PI2 BPSK	1	104	22.87	22.98	22.89			
20	PI2 BPSK	50	0	22.91	22.99	22.93	24.0	0.0	
20	PI2 BPSK	50	28	22.84	22.97	22.91	24.0	0.0	
20	PI2 BPSK	50	56	22.92	22.96	22.87	24.0	0.0	
20	PI2 BPSK	100	0	22.83	22.99	22.94			
20	QPSK	1	1	23.06	23.12	22.99			
20	QPSK	1	53	23.00	23.08	22.98	24.0	0.0	
20	QPSK	1	104	22.99	23.03	22.96			
20	QPSK	50	0	22.84	23.01	22.94	24.0	0.0	
20	QPSK	50	28	23.03	23.08	22.95	24.0	0.0	
20	QPSK	50	56	22.84	22.94	22.85	24.0	0.0	
20	QPSK	100	0	22.92	23.00	22.90			
20	16QAM	1	1	22.85	22.95	22.92	24.0	0.0	
20	64QAM	1	1	21.80	22.01	21.94	23.0	1.0	
20	256QAM	1	1	19.94	20.12	20.08	21.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	22.98	23.08	22.88	24.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	22.98	23.01	22.84	24.0	0.0	
Channel									
Frequency (MHz)				370000	376000	381500			
5	QPSK	1	1	23.02	23.04	22.98	24.0	0.0	

n7 DSI5_Standalone Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	23.46	23.49	23.40			
40	PI2 BPSK	1	108	23.33	23.40	23.37	24.0	0.0	
40	PI2 BPSK	1	214	23.24	23.36	23.32			
40	PI2 BPSK	108	0	23.21	23.31	23.24	24.0	0.0	
40	PI2 BPSK	108	54	23.35	23.47	23.32	24.0	0.0	
40	PI2 BPSK	108	108	23.29	23.33	23.27	24.0	0.0	
40	PI2 BPSK	216	0	23.33	23.37	23.34			
40	QPSK	1	1	23.53	23.61	23.40			
40	QPSK	1	108	23.46	23.53	23.41	24.0	0.0	
40	QPSK	1	214	23.43	23.51	23.41			
40	QPSK	108	0	23.27	23.39	23.29	24.0	0.0	
40	QPSK	108	54	23.48	23.54	23.41	24.0	0.0	
40	QPSK	108	108	23.35	23.43	23.39	24.0	0.0	
40	QPSK	216	0	23.43	23.48	23.36			
40	16QAM	1	1	23.19	23.29	23.23	24.0	0.0	
40	64QAM	1	1	22.36	22.47	22.41	23.0	1.0	
40	256QAM	1	1	20.02	20.08	20.06	21.0	3.0	
Channel									
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.47	23.55	23.32	24.0	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	23.45	23.57	23.29	24.0	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	23.41	23.47	23.33	24.0	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	23.39	23.49	23.28	24.0	0.0	
Channel									
Frequency (MHz)				501000	507000	513000			
10	QPSK	1	1	23.44	23.50	23.31	24.0	0.0	
Channel									
Frequency (MHz)				500500	507000	513500			
5	QPSK	1	1	23.40	23.51	23.26	24.0	0.0	

n25 DSI5_Standalone Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	182.5	1895			
40	PI2 BPSK	1	1	23.01	23.06	22.93			
40	PI2 BPSK	1	108	22.84	22.96	22.89	24.0	0.0	
40	PI2 BPSK	1	214	22.93	22.99	22.85			
40	PI2 BPSK	108	0	22.96	23.03	22.87	24.0	0.0	
40	PI2 BPSK	108	54	22.89	22.98	22.84	24.0	0.0	
40	PI2 BPSK	108	108	22.86	22.97	22.84	24.0	0.0	
40	PI2 BPSK	216	0	22.85	22.99	22.90			
40	QPSK	1	1	23.07	23.17	22.98			
40	QPSK	1	108	23.03	23.08	22.99	24.0	0.0	
40	QPSK	1	214	23.00	23.02	22.92			
40	QPSK	108	0	22.97	23.05	22.92	24.0	0.0	
40	QPSK	108	54	23.01	23.09	22.96	24.0	0.0	
40	QPSK	108	108	22.90	22.99	22.84	24.0	0.0	
40	QPSK	216	0	22.96	23.03	22.92			
40	16QAM	1	1	23.01	23.08	23.02	24.0	0.0	
40	64QAM	1	1	21.88	21.96	21.91	23.0	1.0	
40	256QAM	1	1	20.22	20.28	20.48	21.0	3.0	
Channel									
Frequency (MHz)				1865	182.5	1900			
30	QPSK	1	1	22.92	23.11	22.86	24.0	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	22.99	23.05	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	23.03	23.04	22.87	24.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	23.02	23.10	22.86	24.0	0.0	
Channel									
Frequency (MHz)				1862.5	182.5	1902.5			
10	QPSK	1	1	22.99	23.08	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	382000			
5	QPSK	1	1	23.02	23.06	22.93	24.0	0.0	



n30 DSI5_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2310					
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	23.11			24.0	0.0	
10	PI2 BPSK	1	26	23.05					
10	PI2 BPSK	1	50	23.08					
10	PI2 BPSK	25	0	22.95			24.0	0.0	
10	PI2 BPSK	25	14	23.01			24.0	0.0	
10	PI2 BPSK	25	27	22.97			24.0	0.0	
10	PI2 BPSK	50	0	22.98					
10	QPSK	1	1	23.17			24.0	0.0	
10	QPSK	1	26	23.08					
10	QPSK	1	50	23.04					
10	QPSK	25	0	23.02			24.0	0.0	
10	QPSK	25	14	23.09			24.0	0.0	
10	QPSK	25	27	22.91			24.0	0.0	
10	QPSK	50	0	22.95					
10	16QAM	1	1	22.93			24.0	1.0	
10	64QAM	1	1	21.81			23.0	1.0	
10	256QAM	1	1	19.89			21.0	3.0	
Channel				481500	482500		Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	23.07	23.13	23.03	24.0	0.0	

n66 DSI5_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1725					
Frequency (MHz)				1725					
40	PI2 BPSK	1	1	23.50	23.53	23.40	24.0	0.0	
40	PI2 BPSK	1	108	23.24	23.31	23.23			
40	PI2 BPSK	1	214	23.18	23.29	23.14			
40	PI2 BPSK	108	0	23.18	23.23	23.10	24.0	0.0	
40	PI2 BPSK	108	54	23.25	23.34	23.22	24.0	0.0	
40	PI2 BPSK	108	108	23.20	23.27	23.24			
40	PI2 BPSK	216	0	23.18	23.29	23.19	24.0	0.0	
40	QPSK	1	1	23.49	23.58	23.47			
40	QPSK	1	108	23.35	23.49	23.38	24.0	0.0	
40	QPSK	1	214	23.34	23.44	23.39			
40	QPSK	108	0	23.12	23.24	23.21	24.0	0.0	
40	QPSK	108	54	23.33	23.46	23.39	24.0	0.0	
40	QPSK	108	108	23.23	23.32	23.21			
40	QPSK	216	0	23.32	23.41	23.30	24.0	0.0	
40	16QAM	1	1	23.23	23.31	23.19	24.0	0.0	
40	64QAM	1	1	21.96	22.09	21.98	23.0	1.0	
40	256QAM	1	1	20.82	20.82	20.43	21.0	3.0	
Channel				345000	346000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.42	23.47	23.43	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1770			
20	QPSK	1	1	23.40	23.52	23.37	24.0	0.0	
Channel				343000	348000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
15	QPSK	1	1	23.45	23.43	23.43	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.45	23.43	23.42	24.0	0.0	
Channel				342000	348000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.35	23.55	23.37	24.0	0.0	

n70 DSI5_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1725					
Frequency (MHz)				1725					
15	PI2 BPSK	1	1	23.53			24.0	0.0	
15	PI2 BPSK	1	40	23.47					
15	PI2 BPSK	1	77	23.49					
15	PI2 BPSK	36	0	23.41			24.0	0.0	
15	PI2 BPSK	36	22	23.48			24.0	0.0	
15	PI2 BPSK	36	43	23.34			24.0	0.0	
15	PI2 BPSK	75	0	23.39					
15	QPSK	1	1	23.55			24.0	0.0	
15	QPSK	1	40	23.46					
15	QPSK	1	77	23.42					
15	QPSK	36	0	23.36			24.0	0.0	
15	QPSK	36	22	23.50			24.0	0.0	
15	QPSK	36	43	23.39			24.0	0.0	
15	QPSK	75	0	23.43					
15	16QAM	1	1	21.98			23.0	1.0	
15	64QAM	1	1	20.71			21.5	2.5	
15	256QAM	1	1	19.10			19.5	4.5	
Channel				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1760	1762.5	1765			
10	QPSK	1	1	23.40	23.48	23.41	24.0	0.0	
Channel				339000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	23.48	23.51	23.42	24.0	0.0	



n38 DS15_Standalone Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				516004	516000	516996		
Frequency (MHz)				2300.02	2305	2309.98		
40	PI2 BPSK	1	1	23.69	23.84	23.79		
40	PI2 BPSK	1	53	23.55	23.68	23.56	24.0	0.0
40	PI2 BPSK	1	104	23.68	23.71	23.68		
40	PI2 BPSK	80	0	23.84	23.76	23.57	24.0	0.0
40	PI2 BPSK	50	28	23.66	23.81	23.81	24.0	0.0
40	PI2 BPSK	50	56	23.49	23.60	23.62	24.0	0.0
40	PI2 BPSK	100	0	23.66	23.73	23.75		
40	QPSK	1	1	23.87	23.98	23.85		
40	QPSK	1	53	23.76	23.77	23.68	24.0	0.0
40	QPSK	1	104	23.67	23.75	23.68		
40	QPSK	50	0	23.68	23.70	23.72	24.0	0.0
40	QPSK	50	28	23.76	23.92	23.80	24.0	0.0
40	QPSK	50	56	23.59	23.65	23.67	24.0	0.0
40	QPSK	100	0	23.66	23.75	23.69		
40	16QAM	1	1	23.65	23.76	23.77	24.0	0.0
40	64QAM	1	1	22.26	22.32	22.13	22.5	1.5
40	256QAM	1	1	20.40	20.40	20.37	20.5	3.5
Channel				517002	519000	520998		
Frequency (MHz)				2365.01	2365	2364.99		
30	QPSK	1	1	23.82	23.94	23.78	24.0	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2362.52	2365	2367.48		
25	QPSK	1	1	23.79	23.90	23.81	24.0	0.0
Channel				516000	516000	520000		
Frequency (MHz)				2360	2365	2360		
20	QPSK	1	1	23.85	23.85	23.80	24.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2377.51	2365	2362.49		
15	QPSK	1	1	23.84	23.89	23.82	24.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2375.02	2365	2364.98		
10	QPSK	1	1	23.82	23.94	23.75	24.0	0.0

n41 DS15_Standalone Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	528000		
Frequency (MHz)				2346.01	2352.99	2340		
100	PI2 BPSK	1	1	23.10	23.24	23.11		
100	PI2 BPSK	1	137	23.17	23.21	23.07	24.0	0.0
100	PI2 BPSK	1	271	23.15	23.19	23.12		
100	PI2 BPSK	135	0	22.70	22.78	22.62	23.5	0.5
100	PI2 BPSK	135	69	22.80	22.81	22.74	24.0	0.0
100	PI2 BPSK	135	138	22.72	22.75	22.67	23.5	0.5
100	PI2 BPSK	270	0	22.69	22.70	22.58		
100	QPSK	1	1	23.23	23.29	23.17		
100	QPSK	1	137	23.16	23.23	23.15	24.0	0.0
100	QPSK	1	271	23.10	23.17	23.13		
100	QPSK	135	0	22.21	22.25	22.11	23.0	1.0
100	QPSK	135	69	23.16	23.24	23.12	24.0	0.0
100	QPSK	135	138	22.13	22.27	22.16	23.0	1.0
100	QPSK	270	0	22.28	22.29	22.18		
100	16QAM	1	1	22.05	22.25	22.10	23.0	1.0
100	64QAM	1	1	20.67	20.81	20.65	21.5	2.5
100	256QAM	1	1	18.71	18.76	18.56	19.5	4.5
Channel				510000	518598	529596		
Frequency (MHz)				2354	2352.99	2344.98		
90	QPSK	1	1	23.14	23.15	23.05	24.0	0.0
Channel				507204	518598	529596		
Frequency (MHz)				2338.02	2352.99	2348.99		
80	QPSK	1	1	23.15	23.22	23.12	24.0	0.0
Channel				506002	518598	531000		
Frequency (MHz)				2331.01	2352.99	2305		
70	QPSK	1	1	23.20	23.15	23.09	24.0	0.0
Channel				505000	518598	531996		
Frequency (MHz)				2326	2352.99	2309.98		
60	QPSK	1	1	23.18	23.26	23.07	24.0	0.0
Channel				502000	518598	534000		
Frequency (MHz)				2321.92	2352.99	2304.99		
50	QPSK	1	1	23.10	23.23	23.07	24.0	0.0
Channel				503002	518598	534000		
Frequency (MHz)				2316.01	2352.99	2300		
40	QPSK	1	1	23.15	23.19	23.13	24.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2311	2352.99	2304.98		
30	QPSK	1	1	23.05	23.21	23.03	24.0	0.0
Channel				501204	518598	535996		
Frequency (MHz)				2306.02	2352.99	2309.99		
20	QPSK	1	1	23.10	23.25	23.13	24.0	0.0



n41 PC2 DSI5_Standalone Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				509002	518598	528000		
Frequency (MHz)				2544.01	2592.99	2640		
100	PI2 BPSK	1	1	28.23	28.27	28.19		
100	PI2 BPSK	1	137	25.97	28.11	28.06	27.0	0.0
100	PI2 BPSK	1	271	25.82	25.98	25.93		
100	PI2 BPSK	135	0	28.06	28.13	25.98	27.0	0.0
100	PI2 BPSK	135	69	28.14	28.25	28.21	27.0	0.0
100	PI2 BPSK	135	138	25.82	25.93	25.79	27.0	0.0
100	PI2 BPSK	270	0	28.09	28.18	28.12		
100	QPSK	1	1	28.25	28.33	28.29		
100	QPSK	1	137	28.22	28.28	28.21	27.0	0.0
100	QPSK	1	271	25.07	28.14	28.06		
100	QPSK	135	0	25.80	25.88	25.78	26.5	0.5
100	QPSK	135	69	28.16	28.23	28.10	27.0	0.0
100	QPSK	135	138	25.83	25.80	25.74	26.5	0.5
100	QPSK	270	0	25.71	25.82	25.80		
100	16QAM	1	1	25.70	25.82	25.76	26.5	0.5
100	64QAM	1	1	24.35	24.41	24.28	25.0	2.0
100	256QAM	1	1	22.31	22.95	22.32	23.0	4.0
Channel				510000	519598	529000		
Frequency (MHz)				2544	2592.99	2644.98		
90	QPSK	1	1	28.22	28.19	28.25	27.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2643.99		
80	QPSK	1	1	28.12	28.27	28.21	27.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	28.18	28.20	28.24	27.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2428	2592.99	2659.98		
60	QPSK	1	1	28.17	28.28	28.14	27.0	0.0
Channel				504204	518598	532000		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	28.11	28.21	28.16	27.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2416.01	2592.99	2669		
40	QPSK	1	1	28.18	28.24	28.17	27.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	28.17	28.20	28.16	27.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2606.02	2592.99	2679.99		
20	QPSK	1	1	28.19	28.26	28.18	27.0	0.0

n48 Part96 DSI5_Standalone Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				638000	641666	645332		
Frequency (MHz)				3370	3624.99	3679.98		
40	PI2 BPSK	1	1	18.06	18.48	19.08		
40	PI2 BPSK	1	53	19.04	18.11	19.04	20.2	0.0
40	PI2 BPSK	1	104	18.95	18.08	19.00		
40	PI2 BPSK	50	0	18.92	19.07	19.03	20.2	0.0
40	PI2 BPSK	50	26	18.94	19.00	18.95	20.2	0.0
40	PI2 BPSK	50	55	19.01	19.06	18.99	20.2	0.0
40	PI2 BPSK	100	0	18.91	19.03	18.99		
40	QPSK	1	1	19.06	19.17	19.01		
40	QPSK	1	53	18.94	18.10	19.00	20.2	0.0
40	QPSK	1	104	19.10	18.13	19.03		
40	QPSK	50	0	18.88	19.02	18.96	20.2	0.0
40	QPSK	50	28	18.98	18.11	19.08	20.2	0.0
40	QPSK	50	56	18.89	19.01	18.88	20.2	0.0
40	QPSK	100	0	18.89	19.03	18.95		
40	16QAM	1	1	18.87	18.88	18.92	20.2	0.0
40	64QAM	1	1	18.89	18.04	19.00	20.2	0.0
40	256QAM	1	1	17.91	17.83	17.83	18.5	0.7
Channel				637000	641666	645666		
Frequency (MHz)				3665.02	3624.99	3684.99		
30	QPSK	1	1	18.94	19.09	18.94	20.2	0.0
Channel				637204	641666	646000		
Frequency (MHz)				3662.01	3624.99	3669		
20	QPSK	1	1	18.93	19.14	18.98	20.2	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3556	3624.99	3694.98		
10	QPSK	1	1	18.94	19.13	18.92	20.2	0.0



Part270 n77 DS15_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	18.00	19.04	18.99		
100	PI2 BPSK	1	137	18.98	19.08	19.04	20.0	0.0
100	PI2 BPSK	1	271	18.99	19.05	18.94		
100	PI2 BPSK	135	0	18.83	18.97	18.87	20.0	0.0
100	PI2 BPSK	135	69	18.86	19.01	18.99	20.0	0.0
100	PI2 BPSK	135	138	18.88	19.03	18.90	20.0	0.0
100	PI2 BPSK	270	0	18.99	19.10	19.07	20.0	0.0
100	QPSK	1	1	18.96	19.13	19.00		
100	QPSK	1	137	18.87	18.96	18.87	20.0	0.0
100	QPSK	1	271	18.91	18.99	18.90		
100	QPSK	135	0	18.95	19.07	18.91	20.0	0.0
100	QPSK	135	69	19.04	19.09	19.05	20.0	0.0
100	QPSK	135	138	18.90	18.99	18.88	20.0	0.0
100	QPSK	270	0	18.98	19.05	18.92	20.0	0.0
100	16QAM	1	1	18.90	19.04	18.98	20.0	0.0
100	64QAM	1	1	18.87	19.00	18.87	20.0	0.0
100	256QAM	1	1	18.28	18.33	18.26	19.5	0.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.69	18.93	18.71	20.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	18.83	19.00	18.88	20.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000	Tune-up limit	MPR
70	QPSK	1	1	18.72	18.92	18.74	20.0	0.0
Channel								
Frequency (MHz)				649068	650000	650334	Tune-up limit	MPR
60	QPSK	1	1	18.77	19.00	18.92	20.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.71	19.03	18.91	20.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000	Tune-up limit	MPR
40	QPSK	1	1	18.82	18.98	18.74	20.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334	Tune-up limit	MPR
30	QPSK	1	1	18.67	18.88	18.72	20.0	0.0
Channel								
Frequency (MHz)				647334	650000	656668	Tune-up limit	MPR
20	QPSK	1	1	18.72	19.01	18.70	20.0	0.0
Channel								
Frequency (MHz)				647168	650000	658334	Tune-up limit	MPR
15	QPSK	1	1	18.74	18.82	18.83	20.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000	Tune-up limit	MPR
10	QPSK	1	1	18.07	19.04	18.82	20.0	0.0

Part270 n77 PC2 DS15_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.08	22.13	22.10		
100	PI2 BPSK	1	137	22.02	22.11	22.01	23.0	0.0
100	PI2 BPSK	1	271	22.01	22.17	22.04		
100	PI2 BPSK	135	0	22.08	22.16	22.00	23.0	0.0
100	PI2 BPSK	135	69	21.94	22.10	22.02	23.0	0.0
100	PI2 BPSK	135	138	22.08	22.17	22.07	23.0	0.0
100	PI2 BPSK	270	0	22.08	22.15	21.98	23.0	0.0
100	QPSK	1	1	22.23	22.27	22.17		
100	QPSK	1	137	22.14	22.20	22.07	23.0	0.0
100	QPSK	1	271	22.14	22.20	22.18		
100	QPSK	135	0	22.01	22.10	21.99	23.0	0.0
100	QPSK	135	69	22.13	22.16	22.13	23.0	0.0
100	QPSK	135	138	22.09	22.13	22.07	23.0	0.0
100	QPSK	270	0	22.16	22.21	22.17	23.0	0.0
100	16QAM	1	1	22.18	22.22	22.10	23.0	0.0
100	64QAM	1	1	22.01	22.16	22.12	23.0	0.0
100	256QAM	1	1	21.00	21.92	22.01	23.0	0.0
Channel								
Frequency (MHz)				649068	650000	650334	Tune-up limit	MPR
90	QPSK	1	1	22.13	22.16	21.91	23.0	0.0
Channel								
Frequency (MHz)				648334	650000	652668	Tune-up limit	MPR
80	QPSK	1	1	22.10	22.06	22.02	23.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000	Tune-up limit	MPR
70	QPSK	1	1	21.94	22.02	21.90	23.0	0.0
Channel								
Frequency (MHz)				649068	650000	650334	Tune-up limit	MPR
60	QPSK	1	1	21.93	22.12	22.07	23.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.14	21.97	21.99	23.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000	Tune-up limit	MPR
40	QPSK	1	1	21.98	22.08	21.94	23.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334	Tune-up limit	MPR
30	QPSK	1	1	22.10	22.08	22.04	23.0	0.0
Channel								
Frequency (MHz)				647334	650000	656668	Tune-up limit	MPR
20	QPSK	1	1	21.99	22.07	22.03	23.0	0.0
Channel								
Frequency (MHz)				647168	650000	658334	Tune-up limit	MPR
15	QPSK	1	1	22.01	22.10	22.00	23.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000	Tune-up limit	MPR
10	QPSK	1	1	21.95	22.14	21.91	23.0	0.0

Part27Q n77 DS15_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			19.30		
100	PI2 BPSK	1	137			19.33	20.0	0.0
100	PI2 BPSK	1	271			19.33		
100	PI2 BPSK	135	0			19.22	20.0	0.0
100	PI2 BPSK	135	69			19.30	20.0	0.0
100	PI2 BPSK	135	138			19.32	20.0	0.0
100	PI2 BPSK	270	0			19.30	20.0	0.0
100	QPSK	1	1			19.38		
100	QPSK	1	137			19.22	20.0	0.0
100	QPSK	1	271			19.30		
100	QPSK	135	0			19.30	20.0	0.0
100	QPSK	135	69			19.35	20.0	0.0
100	QPSK	135	138			19.23	20.0	0.0
100	QPSK	270	0			19.30	20.0	0.0
100	16QAM	1	1			19.21	20.0	0.0
100	64QAM	1	1			19.18	20.0	0.0
100	256QAM	1	1			17.72	19.8	0.5
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit	MPR
90	QPSK	1	1	19.09	19.00	19.07	20.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit	MPR
80	QPSK	1	1	19.08	19.08	19.00	20.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit	MPR
70	QPSK	1	1	19.07	19.06	19.16	20.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit	MPR
60	QPSK	1	1	19.14	19.14	19.10	20.0	0.0
Channel								
Frequency (MHz)				3485.01	3500.01	3515.01		
50	QPSK	1	1	19.13	19.15	19.04	20.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit	MPR
40	QPSK	1	1	19.20	18.99	19.19	20.0	0.0
Channel								
Frequency (MHz)				631000	633334	636668	Tune-up limit	MPR
30	QPSK	1	1	19.12	19.06	19.15	20.0	0.0
Channel								
Frequency (MHz)				630668	633334	638000	Tune-up limit	MPR
20	QPSK	1	1	19.11	19.13	19.11	20.0	0.0
Channel								
Frequency (MHz)				630334	633334	639334	Tune-up limit	MPR
15	QPSK	1	1	19.04	19.01	19.10	20.0	0.0
Channel								
Frequency (MHz)				630000	633334	639668	Tune-up limit	MPR
10	QPSK	1	1	19.08	19.01	19.20	20.0	0.0



Part27Q n77 PC2 DSI5_Standalone Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	MPR (dB)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	22.38	3500.01		
100	PI2 BPSK	1	137	22.32			23.0
100	PI2 BPSK	1	271	22.28			
100	PI2 BPSK	135	0	22.35			23.0
100	PI2 BPSK	135	69	22.42			23.0
100	PI2 BPSK	135	138	22.37			23.0
100	PI2 BPSK	270	0	22.41			23.0
100	QPSK	1	1	22.45			
100	QPSK	1	137	22.31			23.0
100	QPSK	1	271	22.37			
100	QPSK	135	0	22.32			23.0
100	QPSK	135	69	22.41			23.0
100	QPSK	135	138	22.28			23.0
100	QPSK	270	0	22.38			23.0
100	16QAM	1	1	22.38			23.0
100	64QAM	1	1	22.31			23.0
100	256QAM	1	1	22.33			23.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	3495	3500.01	3505.02	MPR (dB)
80	QPSK	1	1	22.16	21.08	22.13	23.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	3498.02	3503.03	3508.04	MPR (dB)
80	QPSK	1	1	22.16	22.19	22.29	23.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	632334	633334	634334	MPR (dB)
70	QPSK	1	1	3485.01	3500.01	3515.01	MPR (dB)
70	QPSK	1	1	22.18	22.08	22.29	23.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	632000	633334	634668	MPR (dB)
60	QPSK	1	1	3480	3500.01	3520.02	MPR (dB)
60	QPSK	1	1	22.08	22.14	22.26	23.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	631868	633334	634800	MPR (dB)
50	QPSK	1	1	3475.02	3500.01	3525	MPR (dB)
50	QPSK	1	1	22.13	22.03	22.30	23.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	631334	633334	635334	MPR (dB)
40	QPSK	1	1	3478.01	3500.01	3528.01	MPR (dB)
40	QPSK	1	1	22.25	22.14	22.17	23.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	631000	633334	636668	MPR (dB)
30	QPSK	1	1	3465	3500.01	3535.02	MPR (dB)
30	QPSK	1	1	22.29	22.07	22.23	23.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	630668	633334	636000	MPR (dB)
20	QPSK	1	1	3460.02	3500.01	3540	MPR (dB)
20	QPSK	1	1	22.27	22.04	22.31	23.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	630334	633334	636168	MPR (dB)
15	QPSK	1	1	3457.5	3500.01	3542.50	MPR (dB)
15	QPSK	1	1	22.08	22.15	22.23	23.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	630334	633334	636334	MPR (dB)
10	QPSK	1	1	3450.01	3500.01	3545.01	MPR (dB)
10	QPSK	1	1	22.16	22.13	22.14	23.0



Part270 n78 DS15_Standalone Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	18.88				
100	PI2 BPSK	1	137	18.84			20.0	0.0
100	PI2 BPSK	1	271	18.85				
100	PI2 BPSK	135	0	18.92			20.0	0.0
100	PI2 BPSK	135	69	18.87			20.0	0.0
100	PI2 BPSK	135	138	18.81			20.0	0.0
100	PI2 BPSK	270	0	18.88			20.0	0.0
100	QPSK	1	1	18.95				
100	QPSK	1	137	18.83			20.0	0.0
100	QPSK	1	271	18.85				
100	QPSK	135	0	18.88			20.0	0.0
100	QPSK	135	69	18.89			20.0	0.0
100	QPSK	135	138	18.86			20.0	0.0
100	QPSK	270	0	18.94			20.0	0.0
100	16QAM	1	1	18.89			20.0	0.0
100	64QAM	1	1	18.91			20.0	0.0
100	256QAM	1	1	18.20			18.5	0.5
Channel								
Frequency (MHz)				64998	65000	65034	Tune-up limit	MPR
90	QPSK	1	1	18.57	18.87	18.45	20.0	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit	MPR
80	QPSK	1	1	18.58	18.75	18.59	20.0	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR
70	QPSK	1	1	18.39	18.77	18.30	20.0	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR
60	QPSK	1	1	18.49	18.82	18.67	20.0	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit	MPR
50	QPSK	1	1	18.90	18.92	18.87	20.0	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit	MPR
40	QPSK	1	1	18.43	18.54	18.64	20.0	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR
30	QPSK	1	1	18.44	18.54	18.64	20.0	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit	MPR
20	QPSK	1	1	18.64	18.87	18.61	20.0	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR
15	QPSK	1	1	18.81	18.70	18.64	20.0	0.0
Channel								
Frequency (MHz)				3705	3750	3795	Tune-up limit	MPR
10	QPSK	1	1	18.37	18.94	18.54	20.0	0.0

Part270 n78 PC2 DS15_Standalone Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	21.53				
100	PI2 BPSK	1	137	21.91			23.0	0.0
100	PI2 BPSK	1	271	21.97				
100	PI2 BPSK	135	0	21.96			23.0	0.0
100	PI2 BPSK	135	69	21.90			23.0	0.0
100	PI2 BPSK	135	138	21.97			23.0	0.0
100	PI2 BPSK	270	0	21.95			23.0	0.0
100	QPSK	1	1	22.07				
100	QPSK	1	137	21.86			23.0	0.0
100	QPSK	1	271	22.00				
100	QPSK	135	0	21.90			23.0	0.0
100	QPSK	135	69	21.96			23.0	0.0
100	QPSK	135	138	21.93			23.0	0.0
100	QPSK	270	0	22.01			23.0	0.0
100	16QAM	1	1	22.02			23.0	0.0
100	64QAM	1	1	21.96			23.0	0.0
100	256QAM	1	1	21.72			23.0	0.0
Channel								
Frequency (MHz)				64998	65000	65034	Tune-up limit	MPR
90	QPSK	1	1	21.93	21.96	21.71	23.0	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit	MPR
80	QPSK	1	1	21.90	21.86	21.82	23.0	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR
70	QPSK	1	1	21.74	21.82	21.70	23.0	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR
60	QPSK	1	1	21.73	21.92	21.87	23.0	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit	MPR
50	QPSK	1	1	21.94	21.77	21.79	23.0	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit	MPR
40	QPSK	1	1	21.76	21.88	21.74	23.0	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR
30	QPSK	1	1	21.80	21.86	21.84	23.0	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit	MPR
20	QPSK	1	1	21.79	21.87	21.83	23.0	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR
15	QPSK	1	1	21.81	21.90	21.80	23.0	0.0
Channel								
Frequency (MHz)				3705	3750	3795	Tune-up limit	MPR
10	QPSK	1	1	21.75	21.94	21.71	23.0	0.0

Part27Q n78 DS15_Standalone Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	18.13				
100	PI2 BPSK	1	137	18.19			20.0	0.0
100	PI2 BPSK	1	271	18.18				
100	PI2 BPSK	135	0	18.02			20.0	0.0
100	PI2 BPSK	135	69	18.12			20.0	0.0
100	PI2 BPSK	135	138	18.15			20.0	0.0
100	PI2 BPSK	270	0	18.13			20.0	0.0
100	QPSK	1	1	18.23				
100	QPSK	1	137	18.07			20.0	0.0
100	QPSK	1	271	18.15				
100	QPSK	135	0	18.08			20.0	0.0
100	QPSK	135	69	18.20			20.0	0.0
100	QPSK	135	138	18.06			20.0	0.0
100	QPSK	270	0	18.13			20.0	0.0
100	16QAM	1	1	18.02			20.0	0.0
100	64QAM	1	1	18.03			20.0	0.0
100	256QAM	1	1	17.88			18.5	0.5
Channel								
Frequency (MHz)				63300	63334	63368	Tune-up limit	MPR
90	QPSK	1	1	18.04	18.85	18.87	20.0	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit	MPR
80	QPSK	1	1	18.86	18.89	18.74	20.0	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit	MPR
70	QPSK	1	1	18.18	18.75	18.00	20.0	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit	MPR
60	QPSK	1	1	18.98	18.99	18.86	20.0	0.0
Channel								
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit	MPR
50	QPSK	1	1	18.92	19.01	18.79	20.0	0.0
Channel								
Frequency (MHz)				63166	63334	63500	Tune-up limit	MPR
40	QPSK	1	1	19.05	18.83	18.86	20.0	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit	MPR
30	QPSK	1	1	18.98	18.88	18.87	20.0	0.0
Channel								
Frequency (MHz)				63068	63334	63600	Tune-up limit	MPR
20	QPSK	1	1	18.94	18.87	18.86	20.0	0.0
Channel								
Frequency (MHz)				63000	63334	63668	Tune-up limit	MPR
15	QPSK	1	1	18.83	18.78	18.88	20.0	0.0
Channel								
Frequency (MHz)				3482.01	3500.01	3518.01	Tune-up limit	MPR
10	QPSK	1	1	18.91	18.74	18.64	20.0	0.0



Part27Q n78 PC2 DSI5_ Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.22	3000.01			
100	PI2 BPSK	1	137	22.15			23.0	0.0
100	PI2 BPSK	1	271	22.11				
100	PI2 BPSK	135	0	22.20			23.0	0.0
100	PI2 BPSK	135	69	22.24			23.0	0.0
100	PI2 BPSK	135	138	22.12			23.0	0.0
100	PI2 BPSK	270	0	22.20				
100	QPSK	1	1	22.30				
100	QPSK	1	137	22.12			23.0	0.0
100	QPSK	1	271	22.21				
100	QPSK	135	0	22.13			23.0	0.0
100	QPSK	135	69	22.24			23.0	0.0
100	QPSK	135	138	22.12			23.0	0.0
100	QPSK	270	0	22.17				
100	16QAM	1	1	22.20			23.0	0.0
100	16QAM	1	1	22.14			23.0	0.0
100	25QAM	1	1	22.10			23.0	0.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3485	3000.01	3505.02		
90	QPSK	1	1	21.94	21.80	21.90	23.0	0.0
Channel								
Frequency (MHz)								
				632068	633334	634600	Tune-up limit (dBm)	MPR (dB)
				3480.02	3000.01	3510		
80	QPSK	1	1	21.91	22.03	22.05	23.0	0.0
Channel								
Frequency (MHz)								
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3000.01	3515.01		
70	QPSK	1	1	21.87	21.83	22.04	23.0	0.0
Channel								
Frequency (MHz)								
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3000.01	3500.02		
60	QPSK	1	1	21.87	21.91	22.03	23.0	0.0
Channel								
Frequency (MHz)								
				631068	633334	635500	Tune-up limit (dBm)	MPR (dB)
				3475.02	3000.01	3525		
50	QPSK	1	1	21.98	21.78	22.07	23.0	0.0
Channel								
Frequency (MHz)								
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3000.01	3520.01		
40	QPSK	1	1	22.05	21.93	21.97	23.0	0.0
Channel								
Frequency (MHz)								
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3485	3000.01	3535.02		
30	QPSK	1	1	22.20	21.82	22.07	23.0	0.0
Channel								
Frequency (MHz)								
				630668	633334	635900	Tune-up limit (dBm)	MPR (dB)
				3480.02	3000.01	3540		
20	QPSK	1	1	22.05	21.88	22.11	23.0	0.0
Channel								
Frequency (MHz)								
				630500	633334	636150	Tune-up limit (dBm)	MPR (dB)
				3475	3000.01	3545.02		
15	QPSK	1	1	21.89	21.99	22.01	23.0	0.0
Channel								
Frequency (MHz)								
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3480.01	3000.01	3540.01		
10	QPSK	1	1	21.97	21.95	21.93	23.0	0.0



Reduced Power Mode for DSIS-Simultaneous

n2 Default Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	21.38	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25			
20	PI2 BPSK	100	0	21.30	21.37	21.32	23.0	0.0	
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.40	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.38	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.25	21.32	21.18	23.0	0.0	
20	16QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	18.30	19.41	19.28	20.0	3.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	1887.5	1890	1892.5	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	1855	1860	1865	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	1892.5	1890	1897.5	Tune-up limit (dBm)	MPR (dB)	

n5 Default Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	21.80	21.86	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63			
20	PI2 BPSK	100	0	21.73	21.77	21.65	23.0	0.0	
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.78			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.82	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.78	21.72			
20	16QAM	1	1	21.66	21.72	21.63	23.0	0.0	
20	16QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.56	21.0	2.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	1681.5	1683.5	1681.5	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	1678	1679	1679	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	1672	1677	1675	Tune-up limit (dBm)	MPR (dB)	

n7 DSIS_Simultaneous Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	20.82	20.90	20.85			
40	PI2 BPSK	1	108	20.74	20.86	20.87	22.1	0.0	
40	PI2 BPSK	1	214	20.81	20.89	20.82			
40	PI2 BPSK	108	0	20.74	20.87	20.86	22.1	0.0	
40	PI2 BPSK	108	54	20.82	20.82	20.87	22.1	0.0	
40	PI2 BPSK	108	108	20.84	20.86	20.86			
40	PI2 BPSK	216	0	20.76	20.85	20.74	22.1	0.0	
40	QPSK	1	1	20.88	21.01	20.87			
40	QPSK	1	108	20.80	20.92	20.83	22.1	0.0	
40	QPSK	1	214	20.83	21.00	20.83			
40	QPSK	108	0	20.78	20.85	20.77	22.1	0.0	
40	QPSK	108	54	20.86	20.99	20.87	22.1	0.0	
40	QPSK	108	108	20.69	20.87	20.73	22.1	0.0	
40	QPSK	216	0	20.81	20.91	20.81			
40	16QAM	1	1	20.84	20.88	20.85	22.1	0.0	
40	16QAM	1	1	20.64	20.79	20.67	22.0	0.1	
40	256QAM	1	1	19.15	19.22	19.08	20.0	2.1	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2515	2535	2555	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	2507	2537	2567	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.88	20.88	20.85	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.84	20.89	20.82	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.87	20.88	20.85	Tune-up limit (dBm)	MPR (dB)	



n12 Default Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				143300	144500	145700			
				708.5	707.5	708.5			
15	PI2 BPSK	1	1	21.82	21.86	21.76			
15	PI2 BPSK	1	40	21.64	21.71	21.60	23.0	0.0	
15	PI2 BPSK	1	77	21.49	21.59	21.46			
15	PI2 BPSK	38	0	21.75	21.87	21.73	23.0	0.0	
15	PI2 BPSK	38	22	21.63	21.76	21.65	23.0	0.0	
15	PI2 BPSK	38	43	21.64	21.69	21.66			
15	PI2 BPSK	75	0	21.71	21.79	21.70	23.0	0.0	
15	QPSK	1	1	21.87	21.95	21.82			
15	QPSK	1	40	21.78	21.83	21.74	23.0	0.0	
15	QPSK	1	77	21.70	21.79	21.67			
15	QPSK	38	0	21.64	21.73	21.60	23.0	0.0	
15	QPSK	38	22	21.83	21.86	21.79	23.0	0.0	
15	QPSK	38	43	21.82	21.73	21.64			
15	QPSK	75	0	21.72	21.78	21.74			
15	RCQAM	1	1	21.53	21.63	21.52	23.0	0.0	
15	RCQAM	1	1	20.93	20.93	20.91	22.0	1.0	
15	256QAM	1	1	19.33	19.41	19.29	20.0	3.0	
Channel									
Frequency (MHz)				140900	141500	142200	Tune-up limit (dBm)	MPR (dB)	
				704	703.5	711	23.0	0.0	
Channel									
Frequency (MHz)				140900	141500	142700	Tune-up limit (dBm)	MPR (dB)	
				701.5	707.5	713.5	23.0	0.0	
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0	

n13 Default Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				154600	155200	155800			
				712	712	712			
10	PI2 BPSK	1	1	21.84	21.84	21.84			
10	PI2 BPSK	1	26	21.79	21.79	21.79	23.0	0.0	
10	PI2 BPSK	1	50	21.72	21.72	21.72			
10	PI2 BPSK	25	0	20.93	20.93	20.93	22.5	0.5	
10	PI2 BPSK	25	14	21.86	21.86	21.86	23.0	0.0	
10	PI2 BPSK	25	27	21.76	21.76	21.76			
10	PI2 BPSK	50	0	21.81	21.81	21.81	22.5	0.5	
10	QPSK	1	1	21.94	21.94	21.94			
10	QPSK	1	26	21.87	21.87	21.87	23.0	0.0	
10	QPSK	1	50	21.83	21.83	21.83			
10	QPSK	25	0	20.99	20.99	20.99	22.0	1.0	
10	QPSK	25	14	21.89	21.89	21.89	23.0	0.0	
10	QPSK	25	27	21.13	21.13	21.13	22.0	1.0	
10	QPSK	50	0	21.18	21.18	21.18			
10	RCQAM	1	1	20.71	20.71	20.71	22.0	1.0	
10	RCQAM	1	1	19.53	19.53	19.53	20.5	2.5	
10	256QAM	1	1	18.22	18.22	18.22	18.5	4.5	
Channel									
Frequency (MHz)				159900	159400	159900	Tune-up limit (dBm)	MPR (dB)	
				718.5	712	718.5	23.0	0.0	
5	QPSK	1	1	21.90	21.97	21.81	23.0	0.0	

n14 Default Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				156600	157200	157800			
				713	713	713			
10	PI2 BPSK	1	1	21.98	21.98	21.98			
10	PI2 BPSK	1	26	21.90	21.90	21.90	23.0	0.0	
10	PI2 BPSK	1	50	21.86	21.86	21.86			
10	PI2 BPSK	25	0	21.89	21.89	21.89	23.0	0.0	
10	PI2 BPSK	25	14	21.95	21.95	21.95	23.0	0.0	
10	PI2 BPSK	25	27	21.86	21.86	21.86			
10	PI2 BPSK	50	0	21.93	21.93	21.93	23.0	0.0	
10	QPSK	1	1	22.04	22.04	22.04			
10	QPSK	1	26	22.01	22.01	22.01	23.0	0.0	
10	QPSK	1	50	21.96	21.96	21.96			
10	QPSK	25	0	21.94	21.94	21.94	23.0	0.0	
10	QPSK	25	14	21.99	21.99	21.99	23.0	0.0	
10	QPSK	25	27	21.87	21.87	21.87			
10	QPSK	50	0	21.94	21.94	21.94	23.0	0.0	
10	RCQAM	1	1	21.86	21.86	21.86	23.0	0.0	
10	RCQAM	1	1	20.85	20.85	20.85	22.0	1.0	
10	256QAM	1	1	19.09	19.09	19.09	20.0	3.0	
Channel									
Frequency (MHz)				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
				716.5	713	716.5	23.0	0.0	
5	QPSK	1	1	21.93	21.93	21.91	23.0	0.0	



n25 Default Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				374200	376900	379600			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	23.00	23.13	23.12			
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0	
40	PI2 BPSK	1	214	22.98	23.08	23.02			
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0	
40	PI2 BPSK	108	84	23.04	23.11	23.14	24.0	0.0	
40	PI2 BPSK	108	108	22.96	23.07	22.93			
40	PI2 BPSK	216	0	22.98	22.98	23.05	24.0	0.0	
40	QPSK	1	1	23.08	23.25	23.21			
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0	
40	QPSK	1	214	23.02	23.06	23.00			
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0	
40	QPSK	108	84	23.02	23.16	22.97	24.0	0.0	
40	QPSK	108	108	22.98	23.08	22.83	24.0	0.0	
40	QPSK	216	0	23.04	23.12	23.04			
40	16QAM	1	1	23.05	23.21	23.18	24.0	0.0	
40	16QAM	1	1	22.05	22.13	22.08	23.0	1.0	
40	256QAM	1	1	20.89	20.74	20.63	21.0	3.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	22.92	23.11	23.06	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	22.89	23.19	23.08	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1858	1882.5	1910			
15	QPSK	1	1	22.93	23.20	23.06	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1856	1882.5	1912			
10	QPSK	1	1	22.95	23.21	23.17	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	22.90	23.17	23.14	24.0	0.0	

n26 Default Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				854	831.5	839			
20	PI2 BPSK	1	1	23.38	23.40	23.33			
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.11	23.05			
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0	
20	PI2 BPSK	50	28	23.25	23.31	23.18	24.0	0.0	
20	PI2 BPSK	50	56	23.02	23.15	23.08			
20	PI2 BPSK	100	0	23.17	23.28	23.22	24.0	0.0	
20	QPSK	1	1	23.43	23.49	23.38			
20	QPSK	1	53	23.29	23.40	23.32	24.0	0.0	
20	QPSK	1	104	23.27	23.34	23.22			
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0	
20	QPSK	50	28	23.39	23.43	23.32	24.0	0.0	
20	QPSK	50	56	23.20	23.31	23.28	24.0	0.0	
20	QPSK	100	0	23.31	23.38	23.26			
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0	
20	16QAM	1	1	22.31	22.43	22.30	23.0	1.0	
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	23.33	23.30	23.33	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	23.31	23.29	23.25	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0	



n30 DSI5_Simultaneous Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel							
Frequency (MHz)				42000			
2310							
10	PI/2 BPSK	1	1	18.11			0.0
10	PI/2 BPSK	1	26	18.95			20.5
10	PI/2 BPSK	1	50	18.93			0.0
10	PI/2 BPSK	25	0	18.81			20.5
10	PI/2 BPSK	25	14	19.01			0.0
10	PI/2 BPSK	25	27	18.94			20.5
10	PI/2 BPSK	50	0	18.91			0.0
10	QPSK	1	1	18.14			20.5
10	QPSK	1	26	18.07			0.0
10	QPSK	1	50	18.98			20.5
10	QPSK	25	0	18.99			0.0
10	QPSK	25	14	18.99			20.5
10	QPSK	25	27	18.93			0.0
10	QPSK	50	0	18.93			20.5
10	16QAM	1	1	18.93			0.0
10	16QAM	1	1	18.88			20.5
10	256QAM	1	1	18.88			0.0
Channel				481500	482000	482500	MPR
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	1	18.11	19.01	19.13	20.5

n66 DSI5_Simultaneous Ant0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel							
Frequency (MHz)				345000			
1720				1745			
40	PI/2 BPSK	1	1	20.80	20.83	20.73	0.0
40	PI/2 BPSK	1	108	20.58	20.74	20.72	22.4
40	PI/2 BPSK	1	214	20.74	20.73	20.75	0.0
40	PI/2 BPSK	108	0	20.66	20.70	20.59	22.4
40	PI/2 BPSK	108	54	20.75	20.82	20.71	22.4
40	PI/2 BPSK	108	108	20.61	20.74	20.85	0.0
40	PI/2 BPSK	216	0	20.75	20.76	20.66	22.4
40	QPSK	1	1	20.82	21.02	20.91	0.0
40	QPSK	1	108	20.71	20.85	20.72	22.4
40	QPSK	1	214	20.71	20.78	20.67	0.0
40	QPSK	108	0	20.72	20.78	20.71	22.4
40	QPSK	108	54	20.76	20.85	20.73	22.4
40	QPSK	108	108	20.72	20.84	20.70	22.4
40	QPSK	216	0	20.80	20.87	20.81	0.0
40	16QAM	1	1	20.65	20.74	20.61	22.4
40	16QAM	1	1	20.67	20.73	20.67	22.4
40	256QAM	1	1	19.75	19.90	19.78	21.0
40	256QAM	1	1	19.75	19.90	19.78	21.0
Channel				345000	345000	353000	Tune-up limit
Frequency (MHz)				1720	1745	1765	MPR (dB)
30	QPSK	1	1	20.63	20.69	20.56	22.4
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	MPR (dB)
20	QPSK	1	1	20.68	20.72	20.66	22.4
Channel				345000	350000	355000	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	MPR (dB)
15	QPSK	1	1	20.66	20.67	20.63	22.4
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1715	1745	1775	MPR (dB)
10	QPSK	1	1	20.64	20.73	20.63	22.4
Channel				342500	345000	355000	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	MPR (dB)
5	QPSK	1	1	20.67	20.73	20.58	22.4



n38 DSI5_Simultaneous Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				516004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	18.16	18.26	18.32		
40	PI2 BPSK	1	53	18.12	18.19	18.31	19.2	0.0
40	PI2 BPSK	1	104	18.19	18.47	18.34		
40	PI2 BPSK	50	0	18.17	18.29	18.28	19.2	0.0
40	PI2 BPSK	50	28	18.31	18.23	18.13	19.2	0.0
40	PI2 BPSK	50	56	18.31	18.29	18.42		
40	PI2 BPSK	100	0	18.34	18.31	18.28	19.2	0.0
40	QPSK	1	1	18.19	18.60	18.29		
40	QPSK	1	53	18.16	18.36	18.02	19.2	0.0
40	QPSK	1	104	18.03	18.23	18.26		
40	QPSK	50	0	18.41	18.29	18.40	19.2	0.0
40	QPSK	50	28	18.26	18.59	18.19	19.2	0.0
40	QPSK	50	56	18.25	18.28	18.17		
40	QPSK	100	0	18.37	18.41	18.17	19.2	0.0
40	16QAM	1	1	18.18	18.09	18.11	19.2	0.0
40	64QAM	1	1	18.29	18.36	18.48	19.2	0.0
40	256QAM	1	1	17.96	17.90	17.85	19.2	0.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2585	2584.99		
30	QPSK	1	1	18.12	18.58	18.26	19.2	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.82	2585	2587.68		
25	QPSK	1	1	18.16	18.58	18.26	19.2	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	18.12	18.53	18.22	19.2	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2585	2612.49		
15	QPSK	1	1	18.16	18.52	18.24	19.2	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2585	2614.98		
10	QPSK	1	1	18.12	18.52	18.24	19.2	0.0

n41 DSI5_Simultaneous Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	528600		
Frequency (MHz)				2540.01	2522.99	2540		
100	PI2 BPSK	1	1	18.43	18.47	18.38		
100	PI2 BPSK	1	137	18.22	18.30	18.22	19.2	0.0
100	PI2 BPSK	1	271	18.18	18.31	18.21		
100	PI2 BPSK	135	0	18.32	18.41	18.38	19.2	0.0
100	PI2 BPSK	135	69	18.43	18.49	18.40	19.2	0.0
100	PI2 BPSK	135	138	18.17	18.48	18.35		
100	PI2 BPSK	270	0	18.35	18.48	18.35	19.2	0.0
100	QPSK	1	1	18.42	18.63	18.42		
100	QPSK	1	137	18.27	18.34	18.29	19.2	0.0
100	QPSK	1	271	18.25	18.21	18.27		
100	QPSK	135	0	18.34	18.32	18.28	19.2	0.0
100	QPSK	135	69	18.48	18.53	18.23	19.2	0.0
100	QPSK	135	138	18.28	18.43	18.43	19.2	0.0
100	QPSK	270	0	18.29	18.49	18.15	19.2	0.0
100	16QAM	1	1	18.43	18.49	18.33	19.2	0.0
100	64QAM	1	1	18.32	18.41	18.21	19.2	0.0
100	256QAM	1	1	17.80	18.03	17.64	18.5	0.0
Channel				510500	518598	529598		
Frequency (MHz)				2541	2552.99	2644.98		
90	QPSK	1	1	18.27	18.22	18.17	19.2	0.0
Channel				507204	518598	529598		
Frequency (MHz)				2538.03	2552.99	2648.99		
80	QPSK	1	1	18.21	18.22	18.15	19.2	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2552.99	2663		
70	QPSK	1	1	18.20	18.18	18.17	19.2	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2528	2552.99	2659.98		
60	QPSK	1	1	18.27	18.18	18.13	19.2	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2552.99	2664.99		
50	QPSK	1	1	18.23	18.20	18.12	19.2	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2552.99	2669		
40	QPSK	1	1	18.27	18.21	18.16	19.2	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2552.99	2674.98		
30	QPSK	1	1	18.22	18.22	18.10	18.2	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2552.99	2679.99		
20	QPSK	1	1	18.28	18.20	18.15	19.2	0.0



n41 PC2 DS15_Simultaneous Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq				
				506002	518598	526000				
				Channel						
				Frequency (MHz)						
100	PI2 BPSK	1	1	20.74	20.83	20.77				
100	PI2 BPSK	1	137	20.74	20.92	20.85	22.2	0.0		
100	PI2 BPSK	1	271	20.74	20.88	20.77				
100	PI2 BPSK	135	0	20.86	20.73	20.79	22.2	0.0		
100	PI2 BPSK	135	69	20.98	20.79	20.78	22.2	0.0		
100	PI2 BPSK	135	138	20.84	20.68	20.67				
100	PI2 BPSK	270	0	20.82	20.71	20.81	22.2	0.0		
100	QPSK	1	1	20.82	21.15	20.86				
100	QPSK	1	137	20.86	20.95	20.71	22.2	0.0		
100	QPSK	1	271	20.87	20.82	20.85				
100	QPSK	135	0	20.89	20.87	20.95	22.2	0.0		
100	QPSK	135	69	20.73	21.08	20.78	22.2	0.0		
100	QPSK	135	138	20.87	20.80	20.69	22.2	0.0		
100	QPSK	270	0	20.95	21.01	20.83				
100	16QAM	1	1	20.80	20.77	20.71	22.2	0.0		
100	64QAM	1	1	20.95	20.88	20.97	22.2	0.0		
100	256QAM	1	1	20.85	20.77	20.62	22.0	0.2		
				Channel						
				Frequency (MHz)						
				2541	2592.99	2644.98				
90	QPSK	1	1	20.61	20.73	20.69	22.2	0.0		
				Channel						
				Frequency (MHz)						
				507204	518598	529998				
80	QPSK	1	1	20.65	20.70	20.65	22.2	0.0		
				Channel						
				Frequency (MHz)						
				506202	518598	531000				
70	QPSK	1	1	20.61	20.61	20.69	22.2	0.0		
				Channel						
				Frequency (MHz)						
				505200	518598	531996				
60	QPSK	1	1	20.67	20.73	20.70	22.2	0.0		
				Channel						
				Frequency (MHz)						
				504204	518598	532998				
50	QPSK	1	1	20.63	20.68	20.68	22.2	0.0		
				Channel						
				Frequency (MHz)						
				503202	518598	534000				
40	QPSK	1	1	20.62	20.72	20.64	22.2	0.0		
				Channel						
				Frequency (MHz)						
				502200	518598	534996				
30	QPSK	1	1	20.67	20.70	20.63	22.2	0.0		
				Channel						
				Frequency (MHz)						
				2606.02	2692.99	2679.99				
20	QPSK	1	1	20.65	20.70	20.67	22.2	0.0		

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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq				
				638000	641666	645332				
				Channel						
				Frequency (MHz)						
40	PI2 BPSK	1	1	20.87	21.01	20.98				
40	PI2 BPSK	1	53	20.85	20.99	20.89	22.0	0.0		
40	PI2 BPSK	1	104	20.91	20.95	20.91				
40	PI2 BPSK	50	0	20.80	20.90	20.84	22.0	0.0		
40	PI2 BPSK	50	26	20.84	20.97	20.82	22.0	0.0		
40	PI2 BPSK	50	55	20.84	20.89	20.84	22.0	0.0		
40	PI2 BPSK	100	0	20.88	20.93	20.80				
40	QPSK	1	1	20.99	21.09	20.94				
40	QPSK	1	53	20.95	21.03	20.97	22.0	0.0		
40	QPSK	1	104	20.92	20.98	20.93				
40	QPSK	50	0	20.92	21.01	20.93	22.0	0.0		
40	QPSK	50	28	20.94	21.05	20.88	22.0	0.0		
40	QPSK	50	56	20.87	20.94	20.82	22.0	0.0		
40	QPSK	100	0	20.90	20.97	20.83				
40	16QAM	1	1	20.85	20.89	20.81	22.0	0.0		
40	64QAM	1	1	19.69	19.78	19.74	21.0	1.0		
40	256QAM	1	1	18.14	18.27	18.17	19.0	3.0		
				Channel						
				Frequency (MHz)						
				3665.02	3634.99	3684.99				
30	QPSK	1	1	20.67	21.03	20.63	22.0	0.0		
				Channel						
				Frequency (MHz)						
				637204	641666	646000				
20	QPSK	1	1	20.90	20.94	20.79	22.0	0.0		
				Channel						
				Frequency (MHz)						
				637000	641666	646332				
10	QPSK	1	1	20.90	20.89	20.89	22.0	0.0		



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BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.81	22.94	22.91		
100	PI2 BPSK	1	137	22.94	23.02	22.97	24.0	0.0
100	PI2 BPSK	1	271	22.77	22.89	22.77		
100	PI2 BPSK	135	0	22.74	22.90	22.74	24.0	0.0
100	PI2 BPSK	135	69	22.95	22.97	22.93	24.0	0.0
100	PI2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0
100	PI2 BPSK	270	0	22.82	22.92	22.81		
100	QPSK	1	1	22.88	23.06	23.04		
100	QPSK	1	137	22.86	22.86	22.83	24.0	0.0
100	QPSK	1	271	22.97	22.99	22.88		
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0
100	QPSK	135	69	22.92	23.03	22.90	24.0	0.0
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0
100	QPSK	270	0	22.94	22.90	22.77		
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0
100	256QAM	1	1	20.19	20.24	20.19	21.0	3.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.82	22.95	22.94	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	22.75	22.99	22.98	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
50	QPSK	1	1	22.81	22.96	22.99	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
40	QPSK	1	1	22.74	22.99	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
30	QPSK	1	1	22.71	22.98	22.93	24.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
10	QPSK	1	1	22.78	23.00	22.97	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	25.68	25.92	25.60		
100	PI2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0
100	PI2 BPSK	1	271	25.88	26.07	26.03		
100	PI2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0
100	PI2 BPSK	135	69	25.85	26.02	25.98	27.0	0.0
100	PI2 BPSK	135	138	25.82	26.05	25.90	27.0	0.0
100	PI2 BPSK	270	0	25.70	25.91	25.87		
100	QPSK	1	1	25.80	26.13	26.08		
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0
100	QPSK	1	271	25.83	26.03	25.87		
100	QPSK	135	0	25.64	25.82	25.76	27.0	0.0
100	QPSK	135	69	25.96	26.10	26.00	27.0	0.0
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0
100	QPSK	270	0	25.77	25.97	25.81		
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5
100	256QAM	1	1	23.19	23.40	23.38	24.5	2.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	25.66	25.97	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
30	QPSK	1	1	25.76	26.06	25.98	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0
Channel								
Frequency (MHz)				3745.01	3840	3935.02		
10	QPSK	1	1	25.77	25.98	25.96	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			23.24		
100	PI2 BPSK	1	137			23.32	24.0	0.0
100	PI2 BPSK	1	271			23.26		
100	PI2 BPSK	135	0			23.22	24.0	0.0
100	PI2 BPSK	135	69			23.23	24.0	0.0
100	PI2 BPSK	135	138			23.26	24.0	0.0
100	PI2 BPSK	270	0			23.20		
100	QPSK	1	1			23.36		
100	QPSK	1	137			23.28	24.0	0.0
100	QPSK	1	271			23.24		
100	QPSK	135	0			23.24	24.0	0.0
100	QPSK	135	69			23.29	24.0	0.0
100	QPSK	135	138			23.24	24.0	0.0
100	QPSK	270	0			23.23		
100	16QAM	1	1			23.21	24.0	0.0
100	64QAM	1	1			22.32	23.0	1.0
100	256QAM	1	1			20.50	21.0	3.0
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	23.21	23.27	23.17	24.0	0.0
Channel								
Frequency (MHz)				633068	633334	634000		
80	QPSK	1	1	23.28	23.24	23.26	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	634334		
70	QPSK	1	1	23.15	23.27	23.15	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
60	QPSK	1	1	23.20	23.23	23.15	24.0	0.0
Channel								
Frequency (MHz)				633166	633334	633500		
50	QPSK	1	1	23.22	23.32	23.19	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633534		
40	QPSK	1	1	23.16	23.20	23.17	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
30	QPSK	1	1	23.24	23.33	23.23	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
20	QPSK	1	1	23.17	23.26	23.18	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
15	QPSK	1	1	23.29	23.25	23.13	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633634		
10	QPSK	1	1	23.21	23.28	23.18	24.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.35			
100	PI2 BPSK	1	271		20.39		27.0	0.0
100	PI2 BPSK	135	0		20.38			
100	PI2 BPSK	135	69		20.33		27.0	0.0
100	PI2 BPSK	135	138		20.29		27.0	0.0
100	PI2 BPSK	270	0		20.35			
100	PI2 BPSK	270	0		20.38		27.0	0.0
100	QPSK	1	1		20.46			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.31		27.0	0.0
100	QPSK	135	0		20.29		27.0	0.0
100	QPSK	135	69		20.35		27.0	0.0
100	QPSK	135	138		20.26		27.0	0.0
100	QPSK	270	0		20.40			
100	16QAM	1	1		20.29		27.0	0.0
100	64QAM	1	1		20.06		26.5	0.5
100	256QAM	1	1		24.11		24.8	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	20.30	20.34	20.43	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	20.38	20.40	20.29	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.30	20.39	20.29	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.36	20.31	20.34	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631863	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.38	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
40	QPSK	1	1	20.42	20.36	20.32	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.32	20.33	20.43	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	20.36	20.38	20.41	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.42	20.33	20.37	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
10	QPSK	1	1	20.35	20.31	20.34	27.0	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)				3750	3750	3750			
100	PI2 BPSK	1	1		22.85				
100	PI2 BPSK	1	137		22.80		24.0	0.0	
100	PI2 BPSK	1	271		22.74				
100	PI2 BPSK	135	0		22.85		24.0	0.0	
100	PI2 BPSK	135	69		22.73		24.0	0.0	
100	PI2 BPSK	135	138		22.84		24.0	0.0	
100	PI2 BPSK	270	0		22.75		24.0	0.0	
100	QPSK	1	1		22.89				
100	QPSK	1	137		22.81		24.0	0.0	
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.75		23.5	0.5	
100	QPSK	135	69		22.83		24.0	0.0	
100	QPSK	135	138		22.75		23.5	0.5	
100	QPSK	270	0		22.85		22.0	2.0	
100	16QAM	1	1		22.25		22.0	2.0	
100	64QAM	1	1		20.83		22.0	4.0	
100	256QAM	1	1		19.01		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.71	22.84	22.79	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.81	22.73	22.89	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.53	22.79	22.66	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.73	22.80	22.80	24.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.78	22.75	22.73	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.52	22.85	22.87	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.81	22.73	22.74	24.0	0.0
Channel									
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.81	22.83	22.70	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.83	22.73	22.72	24.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.74	22.88	22.72	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.83				
100	PI2 BPSK	1	137		25.82		27.0	0.0	
100	PI2 BPSK	1	271		25.85				
100	PI2 BPSK	135	0		25.90		27.0	0.0	
100	PI2 BPSK	135	69		25.96		27.0	0.0	
100	PI2 BPSK	135	138		25.91		27.0	0.0	
100	PI2 BPSK	270	0		25.87		27.0	0.0	
100	QPSK	1	1		25.97				
100	QPSK	1	137		25.90		27.0	0.0	
100	QPSK	1	271		25.94				
100	QPSK	135	0		25.83		27.0	0.0	
100	QPSK	135	69		25.93		27.0	0.0	
100	QPSK	135	138		25.84		27.0	0.0	
100	QPSK	270	0		25.94		27.0	0.0	
100	16QAM	1	1		25.58		25.5	1.5	
100	64QAM	1	1		24.18		25.5	1.5	
100	256QAM	1	1		22.28		23.5	3.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.83	25.83	25.83	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.83	25.79	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.81	25.85	25.81	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.91	25.85	25.83	27.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.91	25.94	25.83	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.78	25.83	25.81	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		25.85	25.94	25.87	27.0	0.0
Channel									
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		25.92	25.92	25.85	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.78	25.91	25.77	27.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.80	25.91	25.77	27.0	0.0

Part27Q n78 Ant0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					350.01				
100	PI2 BPSK	1	1		23.22				
100	PI2 BPSK	1	137		23.18		24.0	0.0	
100	PI2 BPSK	1	271		23.29				
100	PI2 BPSK	135	0		23.22		24.0	0.0	
100	PI2 BPSK	135	69		23.30		24.0	0.0	
100	PI2 BPSK	135	138		23.29		24.0	0.0	
100	PI2 BPSK	270	0		23.17		24.0	0.0	
100	QPSK	1	1		23.32				
100	QPSK	1	137		23.21		24.0	0.0	
100	QPSK	1	271		23.17				
100	QPSK	135	0		23.18		23.5	0.5	
100	QPSK	135	69		23.23		24.0	0.0	
100	QPSK	135	138		23.17		23.5	0.5	
100	QPSK	270	0		23.26		22.0	2.0	
100	16QAM	1	1		23.13		22.0	2.0	
100	64QAM	1	1		21.58		22.0	4.0	
100	256QAM	1	1		19.48		22.0	4.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.17	23.23	23.18	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.15	23.24	23.21	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.22	23.29	23.14	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.09	23.22	23.19	24.0	0.0
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.10	23.20	23.19	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.22	23.20	23.17	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63566	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		23.15	23.19	23.25	24.0	0.0
Channel									
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		23.24	23.27	23.16	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.23	23.26	23.20	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.14	23.15	23.25	24.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel					630001			
Frequency (MHz)					3000.01			
100	PI2 BPSK	1	1	28.24			27.0	0.0
100	PI2 BPSK	1	137	28.33				
100	PI2 BPSK	1	271	28.28				
100	PI2 BPSK	135	0	28.22			27.0	0.0
100	PI2 BPSK	135	69	28.32			27.0	0.0
100	PI2 BPSK	135	138	28.27			27.0	0.0
100	PI2 BPSK	270	0	28.25				
100	QPSK	1	1	28.38			27.0	0.0
100	QPSK	1	137	28.25				
100	QPSK	1	271	28.25				
100	QPSK	135	0	28.30			27.0	0.0
100	QPSK	135	69	28.35			27.0	0.0
100	QPSK	135	138	28.32			27.0	0.0
100	QPSK	270	0	28.23				
100	16QAM	1	1	28.18			27.0	0.0
100	64QAM	1	1	25.20			25.5	1.5
100	256QAM	1	1	23.16			23.5	3.5
Channel				633000	633334	633668		
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	28.16	28.26	28.22	27.0	0.0
Channel				632068	633334	634000		
Frequency (MHz)				3480.02	3500.01	3510		
80	QPSK	1	1	28.24	28.24	28.24	27.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	28.22	28.29	28.29	27.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3505.02		
60	QPSK	1	1	28.20	28.26	28.16	27.0	0.0
Channel				631000	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	28.28	28.29	28.28	27.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3480.01	3520.01	3530.01		
40	QPSK	1	1	28.18	28.23	28.29	27.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3485	3500.01	3535.02		
30	QPSK	1	1	28.24	28.34	28.29	27.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3480.02	3500.01	3540		
20	QPSK	1	1	28.22	28.27	28.20	27.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3475.01	3500.01	3542.02		
15	QPSK	1	1	28.18	28.35	28.28	27.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3480.01	3500.01	3545.01		
10	QPSK	1	1	28.25	28.32	28.27	27.0	0.0



n2 Default Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1660	1680	1600			
20	PI2 BPSK	1	1	20.26	20.35	20.26			
20	PI2 BPSK	1	53	20.21	20.27	20.19	21.6	0.0	
20	PI2 BPSK	1	104	20.29	20.29	20.18			
20	PI2 BPSK	50	0	20.21	20.22	20.26	21.6	0.0	
20	PI2 BPSK	50	28	20.21	20.34	20.24	21.6	0.0	
20	PI2 BPSK	50	56	20.22	20.27	20.17	21.6	0.0	
20	PI2 BPSK	100	0	20.14	20.30	20.17			
20	QPSK	1	1	20.37	20.55	20.39			
20	QPSK	1	53	20.24	20.34	20.27	21.6	0.0	
20	QPSK	1	104	20.14	20.30	20.20			
20	QPSK	50	0	20.27	20.25	20.16	21.6	0.0	
20	QPSK	50	28	20.31	20.46	20.27	21.6	0.0	
20	QPSK	50	56	20.27	20.30	20.27	21.6	0.0	
20	QPSK	100	0	20.26	20.32	20.20			
20	16QAM	1	1	20.24	20.27	20.14	21.6	0.0	
20	64QAM	1	1	20.18	20.34	20.30	21.6	0.0	
20	256QAM	1	1	19.30	19.41	19.29	23.0	1.6	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	20.34	20.47	20.35	21.6	0.0	
Channel									
Frequency (MHz)				3710.00	3760.00	3810.00	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	20.28	20.48	20.36	21.6	0.0	
Channel									
Frequency (MHz)				3705.00	3760.00	3815.00	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	20.31	20.50	20.34	21.6	0.0	

n5 Default Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1668.00	1673.00	1678.00			
20	PI2 BPSK	1	1	21.80	21.86	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.88	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.36	23.0	2.0	
Channel									
Frequency (MHz)				1623.00	1628.00	1633.00	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
Frequency (MHz)				1658.00	1673.00	1688.00	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
Frequency (MHz)				1663.00	1673.00	1663.00	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 DS15_Simultaneous Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				5040.00	5070.00	5100.00			
40	PI2 BPSK	1	1	18.89	18.97	18.17			
40	PI2 BPSK	1	108	18.87	19.23	19.11	20.6	0.0	
40	PI2 BPSK	1	214	19.01	19.04	18.93			
40	PI2 BPSK	108	0	18.81	19.10	18.91	20.6	0.0	
40	PI2 BPSK	108	54	19.04	18.93	18.91	20.6	0.0	
40	PI2 BPSK	108	108	18.97	19.14	18.99	20.6	0.0	
40	PI2 BPSK	216	0	19.12	19.08	18.87			
40	QPSK	1	1	19.04	19.30	18.94			
40	QPSK	1	108	19.10	19.11	18.95	20.6	0.0	
40	QPSK	1	214	19.06	19.18	19.04			
40	QPSK	108	0	19.02	18.90	18.94	20.6	0.0	
40	QPSK	108	54	19.03	19.24	18.99	20.6	0.0	
40	QPSK	108	108	18.94	19.23	19.03	20.6	0.0	
40	QPSK	216	0	18.94	19.07	18.98			
40	16QAM	1	1	18.98	19.17	19.02	20.6	0.0	
40	64QAM	1	1	18.93	19.05	19.11	20.6	0.0	
40	256QAM	1	1	18.85	19.19	19.08	20.6	0.0	
Channel									
Frequency (MHz)				5200.00	5210.00	5190.00	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.91	19.07	18.85	20.6	0.0	
Channel									
Frequency (MHz)				5025.00	5070.00	5115.00	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	18.88	19.12	18.83	20.6	0.0	
Channel									
Frequency (MHz)				5020.00	5070.00	5120.00	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	18.78	19.12	19.83	20.6	0.0	
Channel									
Frequency (MHz)				5015.00	5070.00	5125.00	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.85	19.30	19.81	20.6	0.0	
Channel									
Frequency (MHz)				2905	2935	2965	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.77	19.00	18.82	20.6	0.0	
Channel									
Frequency (MHz)				5005.00	5070.00	5130.00	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	18.77	19.00	18.65	20.6	0.0	



n12 Default Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				141300	141600	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	21.52	21.56	21.76		
15	PI2 BPSK	1	49	21.64	21.71	21.86	23.0	0.0
15	PI2 BPSK	1	77	21.49	21.59	21.46		
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0	0.0
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0	0.0
15	PI2 BPSK	36	43	21.64	21.69	21.66	23.0	0.0
15	PI2 BPSK	75	0	21.71	21.79	21.70		
15	QPSK	1	1	21.87	21.95	21.82		
15	QPSK	1	49	21.76	21.83	21.74	23.0	0.0
15	QPSK	1	77	21.70	21.79	21.97		
15	QPSK	36	0	21.64	21.73	21.60	23.0	0.0
15	QPSK	36	22	21.83	21.86	21.79	23.0	0.0
15	QPSK	36	43	21.62	21.73	21.64	23.0	0.0
15	QPSK	75	0	21.72	21.76	21.74		
15	16QAM	1	1	21.53	21.63	21.52	23.0	0.0
15	64QAM	1	1	20.83	20.93	20.89	22.0	1.0
15	256QAM	1	1	19.33	19.41	19.29	23.0	3.0
Channel				142000	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711	(dBm)	(dB)
10	QPSK	1	1	21.82	21.88	21.69	23.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0

n13 Default Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				155900	156400	156600		
Frequency (MHz)				782				
10	PI2 BPSK	1	1	21.84				
10	PI2 BPSK	1	26	21.79			23.0	0.0
10	PI2 BPSK	1	50	21.72				
10	PI2 BPSK	25	0	20.93			22.5	0.5
10	PI2 BPSK	25	14	21.86			23.0	0.0
10	PI2 BPSK	25	27	21.76			22.5	0.5
10	PI2 BPSK	50	0	21.81				
10	QPSK	1	1	21.94				
10	QPSK	1	26	21.87			23.0	0.0
10	QPSK	1	50	21.83				
10	QPSK	25	0	20.89			22.0	1.0
10	QPSK	25	14	21.89			23.0	0.0
10	QPSK	25	27	21.13			22.0	1.0
10	QPSK	50	0	21.16				
10	16QAM	1	1	20.71			22.0	1.0
10	64QAM	1	1	19.53			20.5	2.5
10	256QAM	1	1	18.22			18.5	4.5
Channel				155900	156400	156600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5	(dBm)	(dB)
5	QPSK	1	1	21.80	21.87	21.81	23.0	0.0

n14 Default Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				158100	158600	158800		
Frequency (MHz)				793				
10	PI2 BPSK	1	1	21.98				
10	PI2 BPSK	1	26	21.90			23.0	0.0
10	PI2 BPSK	1	50	21.86				
10	PI2 BPSK	25	0	21.89			23.0	0.0
10	PI2 BPSK	25	14	21.95			23.0	0.0
10	PI2 BPSK	25	27	21.86			23.0	0.0
10	PI2 BPSK	50	0	21.93				
10	QPSK	1	1	22.04				
10	QPSK	1	26	22.01			23.0	0.0
10	QPSK	1	50	21.96				
10	QPSK	25	0	21.94			23.0	0.0
10	QPSK	25	14	21.99			23.0	0.0
10	QPSK	25	27	21.87			23.0	0.0
10	QPSK	50	0	21.94				
10	16QAM	1	1	21.88			23.0	0.0
10	64QAM	1	1	20.85			22.0	1.0
10	256QAM	1	1	19.09			20.0	3.0
Channel				158100	158600	158800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5	(dBm)	(dB)
5	QPSK	1	1	21.93	21.98	21.91	23.0	0.0



n25 DSI5_Simultaneous Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				374500	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	20.37	20.44	20.38		
40	PI2 BPSK	1	108	20.32	20.40	20.25	21.6	0.0
40	PI2 BPSK	1	214	20.36	20.38	20.28		
40	PI2 BPSK	108	0	20.33	20.36	20.34	21.6	0.0
40	PI2 BPSK	108	54	20.32	20.47	20.36	21.6	0.0
40	PI2 BPSK	108	108	20.31	20.37	20.29	21.6	0.0
40	PI2 BPSK	216	0	20.26	20.41	20.27		
40	QPSK	1	1	20.49	20.64	20.47		
40	QPSK	1	108	20.36	20.46	20.29	21.6	0.0
40	QPSK	1	214	20.27	20.44	20.35		
40	QPSK	108	0	20.34	20.38	20.25	21.6	0.0
40	QPSK	108	54	20.43	20.58	20.35	21.6	0.0
40	QPSK	108	108	20.40	20.39	20.33	21.6	0.0
40	QPSK	216	0	20.33	20.43	20.33		
40	16QAM	1	1	20.34	20.33	20.27	21.6	0.0
40	64QAM	1	1	20.32	20.42	20.37	21.6	0.0
40	256QAM	1	1	19.07	19.13	19.00	20.0	1.0
Channel				372500	376500	380500		
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	20.40	20.49	20.31	21.6	0.0
Channel				372500	376500	380500		
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	20.44	20.47	20.39	21.6	0.0
Channel				372000	376500	381000		
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	20.42	20.45	20.32	21.6	0.0
Channel				371500	376500	381500		
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	20.41	20.50	20.20	21.0	0.0
Channel				371000	376500	382000		
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	20.41	20.49	20.33	21.6	0.0
Channel				370500	376500	382500		
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	20.39	20.46	20.35	21.6	0.0

n26 Default Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	22.07	22.11	22.02		
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0
20	PI2 BPSK	1	104	21.85	21.91	21.80		
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0	0.0
20	PI2 BPSK	50	26	21.94	22.06	21.94	23.0	0.0
20	PI2 BPSK	50	55	21.83	21.91	21.81	23.0	0.0
20	PI2 BPSK	100	0	21.92	22.01	21.95		
20	QPSK	1	1	22.03	22.15	22.04		
20	QPSK	1	53	21.86	22.10	22.07	23.0	0.0
20	QPSK	1	104	21.81	22.05	21.84		
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0
20	QPSK	50	56	21.82	21.89	21.83	23.0	0.0
20	QPSK	100	0	22.02	22.08	21.94		
20	16QAM	1	1	21.64	21.75	21.69	23.0	0.0
20	64QAM	1	1	20.96	21.11	21.08	22.0	1.0
20	256QAM	1	1	19.32	19.41	19.23	20.0	3.0
Channel				165300	166300	166300		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0
Channel				163800	166300	168800		
Frequency (MHz)				818	831.5	844		
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0
Channel				163300	166300	169300		
Frequency (MHz)				815	831.5	846.5		
5	QPSK	1	1	21.95	22.00	21.91	23.0	0.0



n30 DSI5_Simultaneous Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1	19.87	2310				
10	PI/2 BPSK	1	26	19.81			21.2	0.0	
10	PI/2 BPSK	1	50	19.69					
10	PI/2 BPSK	25	0	19.62			21.2	0.0	
10	PI/2 BPSK	25	14	19.79			21.2	0.0	
10	PI/2 BPSK	25	27	19.78			21.2	0.0	
10	PI/2 BPSK	50	0	19.74					
10	QPSK	1	1	19.95					
10	QPSK	1	26	19.82			21.2	0.0	
10	QPSK	1	50	19.75					
10	QPSK	25	0	19.71			21.2	0.0	
10	QPSK	25	14	19.84			21.2	0.0	
10	QPSK	25	27	19.76			21.2	0.0	
10	QPSK	50	0	19.71					
10	16QAM	1	1	19.78			21.2	0.0	
10	64QAM	1	1	19.70			21.2	0.0	
10	256QAM	1	1	19.64			21.0	1.2	
Channel									
Frequency (MHz)									
5	QPSK	1	1	46190	46200	46250	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	2307.5	2310	2312.5	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.66	19.68	19.62	21.2	0.0	

n66 DSI5_Simultaneous Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI/2 BPSK	1	1	21.67	1745	1745			
40	PI/2 BPSK	1	108	21.49	21.61	21.51	22.8	0.0	
40	PI/2 BPSK	1	214	21.58	21.63	21.60			
40	PI/2 BPSK	108	0	21.50	21.59	21.48	22.8	0.0	
40	PI/2 BPSK	108	54	21.65	21.70	21.56	22.8	0.0	
40	PI/2 BPSK	108	108	21.50	21.58	21.52	22.8	0.0	
40	PI/2 BPSK	216	0	21.59	21.64	21.52			
40	QPSK	1	1	21.67	21.79	21.74			
40	QPSK	1	108	21.62	21.72	21.63	22.8	0.0	
40	QPSK	1	214	21.57	21.67	21.54			
40	QPSK	108	0	21.57	21.62	21.57	22.8	0.0	
40	QPSK	108	54	21.62	21.74	21.60	22.8	0.0	
40	QPSK	108	108	21.60	21.68	21.55	22.8	0.0	
40	QPSK	216	0	21.67	21.71	21.64			
40	16QAM	1	1	21.52	21.63	21.52	22.8	0.0	
40	64QAM	1	1	20.82	20.97	20.93	22.0	0.8	
40	256QAM	1	1	19.02	19.77	19.88	21.0	2.8	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.64	21.70	21.60	22.8	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.64	21.75	21.64	22.8	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.64	21.75	21.64	22.8	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.60	21.73	21.62	22.8	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.52	21.71	21.68	22.8	0.0	

n70 Simultaneous Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	PI/2 BPSK	1	1	21.40	1702.5				
15	PI/2 BPSK	1	40	21.41			22.6	0.0	
15	PI/2 BPSK	1	77	21.30					
15	PI/2 BPSK	36	0	21.34			22.5	0.1	
15	PI/2 BPSK	36	22	21.34			22.6	0.0	
15	PI/2 BPSK	36	43	21.26			22.5	0.1	
15	PI/2 BPSK	75	0	21.32					
15	QPSK	1	1	21.46					
15	QPSK	1	40	21.45			22.6	0.0	
15	QPSK	1	77	21.37					
15	QPSK	36	0	21.21			22.0	0.6	
15	QPSK	36	22	21.25			22.6	0.0	
15	QPSK	36	43	21.11			22.0	0.6	
15	QPSK	75	0	21.21					
15	16QAM	1	1	21.34			22.0	0.6	
15	64QAM	1	1	19.88			20.5	2.1	
15	256QAM	1	1	17.92			18.5	4.1	
Channel									
Frequency (MHz)									
10	QPSK	1	1	34500	34550	34100	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	1700	1702.5	1705	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.36	21.41	21.32	22.6	0.0	



n71 Default Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.07	22.18	22.14		
20	PI/2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI/2 BPSK	1	104	21.91	22.06	21.99		
20	PI/2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI/2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI/2 BPSK	50	56	22.03	22.07	21.98		
20	PI/2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.16	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	56	21.91	22.06	21.99	23.0	0.0
20	QPSK	100	0	22.03	22.13	21.99	23.0	0.0
20	16QAM	1	1	21.96	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.99	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.49	19.42	23.0	3.0
Channel				133100	133100	133100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit	MPR
Frequency (MHz)				688	690.5	693	(dBm)	(dB)
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				690.5	691.5	692.5	(dBm)	(dB)
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 DSI5_Simultaneous Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				516004	516000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	19.45	19.51	19.48		
40	PI2 BPSK	1	33	19.33	19.47	19.43	20.6	0.0
40	PI2 BPSK	1	104	19.23	19.37	19.25		
40	PI2 BPSK	50	0	19.39	19.49	19.44	20.6	0.0
40	PI2 BPSK	50	28	19.42	19.48	19.40	20.6	0.0
40	PI2 BPSK	50	56	19.39	19.44	19.35		
40	PI2 BPSK	100	0	19.40	19.48	19.41	20.6	0.0
40	QPSK	1	1	19.53	19.59	19.57		
40	QPSK	1	53	19.36	19.51	19.43	20.6	0.0
40	QPSK	1	104	19.48	19.57	19.53		
40	QPSK	50	0	19.36	19.58	19.49	20.6	0.0
40	QPSK	50	28	19.49	19.52	19.51	20.6	0.0
40	QPSK	50	56	19.36	19.41	19.20		
40	QPSK	100	0	19.42	19.47	19.43	20.6	0.0
40	16QAM	1	1	19.36	19.46	19.34	20.6	0.0
40	64QAM	1	1	19.42	19.55	19.38	20.6	0.0
40	256QAM	1	1	19.76	19.82	19.76	19.5	1.1
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2685.01	2695	2694.99		
30	QPSK	1	1	19.45	19.53	19.55	20.6	0.0
Channel				516504	519000	521498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2682.82	2695	2697.18		
25	QPSK	1	1	19.50	19.57	19.52	20.6	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2780	2795	2810		
20	QPSK	1	1	19.44	19.54	19.49	20.6	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2877.51	2895	2912.49		
15	QPSK	1	1	19.45	19.53	19.54	20.6	0.0
Channel				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2975.02	2995	3014.98		
10	QPSK	1	1	19.50	19.54	19.54	20.6	0.0

n41 DSI5_Simultaneous Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	528600		
Frequency (MHz)				2540.01	2552.99	2540		
100	PI2 BPSK	1	1	19.40	19.60	19.30		
100	PI2 BPSK	1	137	19.59	19.64	19.52	20.6	0.0
100	PI2 BPSK	1	271	19.48	19.62	19.47		
100	PI2 BPSK	135	0	19.53	19.62	19.58	20.6	0.0
100	PI2 BPSK	135	69	19.48	19.59	19.46	20.6	0.0
100	PI2 BPSK	135	138	19.37	19.50	19.45		
100	PI2 BPSK	270	0	19.48	19.51	19.40	20.6	0.0
100	QPSK	1	1	19.50	19.60	19.58		
100	QPSK	1	137	19.42	19.57	19.45	20.6	0.0
100	QPSK	1	271	19.50	19.65	19.51		
100	QPSK	135	0	19.35	19.57	19.49	20.6	0.0
100	QPSK	135	69	19.50	19.58	19.46	20.6	0.0
100	QPSK	135	138	19.45	19.55	19.49		
100	QPSK	270	0	19.45	19.51	19.47	20.6	0.0
100	16QAM	1	1	19.45	19.59	19.48	20.6	0.0
100	64QAM	1	1	19.60	19.60	19.50	20.5	0.1
100	256QAM	1	1	17.75	17.83	17.75	18.5	2.1
Channel				510500	518598	529598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2641	2652.99	2644.98		
90	QPSK	1	1	19.08	19.29	19.13	20.6	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2652.99	2648.99		
80	QPSK	1	1	19.07	19.26	19.11	20.6	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2631.01	2652.99	2625		
70	QPSK	1	1	19.07	19.26	19.13	20.6	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2652.99	2619.98		
60	QPSK	1	1	19.09	19.26	19.10	20.6	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2652.99	2614.99		
50	QPSK	1	1	19.08	19.29	19.12	20.6	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2616.01	2652.99	2609		
40	QPSK	1	1	19.07	19.25	19.07	20.6	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2611	2652.99	2604.98		
30	QPSK	1	1	19.05	19.31	19.13	20.6	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2606.02	2652.99	2609.99		
20	QPSK	1	1	19.03	19.31	19.14	20.6	0.0



n41 PC2 DS15_Simultaneous Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
				506002	518598	526000			
				Channel					
				Frequency (MHz)					
100	PI2 BPSK	1	1	22.83	22.73	22.65			
100	PI2 BPSK	1	137	22.55	22.75	22.65	23.6	0.0	
100	PI2 BPSK	1	271	22.49	22.61	22.62			
100	PI2 BPSK	135	0	22.36	22.51	22.55	23.6	0.0	
100	PI2 BPSK	135	69	22.33	22.63	22.65	23.6	0.0	
100	PI2 BPSK	135	138	22.45	22.58	22.53			
100	PI2 BPSK	270	0	22.51	22.61	22.56	23.6	0.0	
100	QPSK	1	1	22.73	22.86	22.73			
100	QPSK	1	137	22.44	22.70	22.70	23.6	0.0	
100	QPSK	1	271	22.45	22.67	22.65			
100	QPSK	135	0	22.04	22.21	22.21	23.6	0.0	
100	QPSK	135	69	22.70	22.75	22.69	23.6	0.0	
100	QPSK	135	138	22.07	22.22	22.18			
100	QPSK	270	0	22.61	22.77	22.74	23.6	0.0	
100	16QAM	1	1	21.95	22.11	22.04	23.6	0.0	
100	64QAM	1	1	22.75	22.81	22.66	23.6	0.0	
100	256QAM	1	1	20.92	21.04	20.90	22.0	1.0	
				Channel					
				Frequency (MHz)					
90	QPSK	1	1	22.24	22.49	22.27	23.6	0.0	
				Channel					
				Frequency (MHz)					
80	QPSK	1	1	22.27	22.49	22.24	23.6	0.0	
				Channel					
				Frequency (MHz)					
70	QPSK	1	1	22.23	22.43	22.25	23.6	0.0	
				Channel					
				Frequency (MHz)					
60	QPSK	1	1	22.24	22.44	22.21	23.6	0.0	
				Channel					
				Frequency (MHz)					
50	QPSK	1	1	22.26	22.44	22.28	23.6	0.0	
				Channel					
				Frequency (MHz)					
40	QPSK	1	1	22.24	22.50	22.28	23.6	0.0	
				Channel					
				Frequency (MHz)					
30	QPSK	1	1	22.23	22.50	22.25	23.0	0.0	
				Channel					
				Frequency (MHz)					
20	QPSK	1	1	22.26	22.45	22.28	23.6	0.0	

n48 Part96 Default Ant1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)			
				638000	641666	645332					
				Channel							
				Frequency (MHz)							
40	PI2 BPSK	1	1	23.65	23.66	23.63					
40	PI2 BPSK	1	53	23.53	23.62	23.55	24.0	0.0			
40	PI2 BPSK	1	104	23.49	23.52	23.45					
40	PI2 BPSK	50	0	23.28	23.35	23.23	23.5	0.5			
40	PI2 BPSK	50	26	23.53	23.67	23.56	24.0	0.0			
40	PI2 BPSK	50	56	23.14	23.18	23.14	23.5	0.5			
40	PI2 BPSK	100	0	23.14	23.22	23.22					
40	QPSK	1	1	23.65	23.73	23.56					
40	QPSK	1	53	23.54	23.62	23.60	24.0	0.0			
40	QPSK	1	104	23.41	23.62	23.51					
40	QPSK	50	0	22.65	22.82	22.64	23.0	1.0			
40	QPSK	50	28	23.80	23.70	23.47	24.0	0.0			
40	QPSK	50	56	22.57	22.69	22.64	23.0	1.0			
40	QPSK	100	0	22.63	22.82	22.71	23.0	1.0			
40	16QAM	1	1	22.56	22.67	22.58	23.0	1.0			
40	64QAM	1	1	21.03	21.18	21.09	21.5	2.5			
40	256QAM	1	1	19.17	19.25	19.25	19.5	4.5			
				Channel			#REF!	#REF!	#REF!	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)			#REF!	#REF!	#REF!		
30	QPSK	1	1	23.16	23.22	23.03	24.0	0.0			
				Channel			#REF!	#REF!	#REF!	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)			#REF!	#REF!	#REF!		
20	QPSK	1	1	23.16	23.19	23.05	24.0	0.0			
				Channel			#REF!	#REF!	#REF!	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)			#REF!	#REF!	#REF!		
10	QPSK	1	1	23.16	23.25	23.05	24.0	0.0			



Part270 n77 DSI5_Simultaneous Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.82	21.84	21.79		
100	PI2 BPSK	1	137	21.91	21.95	21.91	23.2	0.0
100	PI2 BPSK	1	271	21.79	21.88	21.73		
100	PI2 BPSK	135	0	21.76	21.92	21.79	23.2	0.0
100	PI2 BPSK	135	69	21.79	21.90	21.80	23.2	0.0
100	PI2 BPSK	135	138	21.80	21.83	21.88	23.2	0.0
100	PI2 BPSK	270	0	21.83	21.90	21.87	23.2	0.0
100	QPSK	1	1	21.86	21.96	21.92		
100	QPSK	1	137	21.82	21.85	21.88	23.2	0.0
100	QPSK	1	271	21.83	21.83	21.83		
100	QPSK	135	0	21.79	21.86	21.83	23.0	0.2
100	QPSK	135	69	21.87	21.90	21.77	23.2	0.0
100	QPSK	135	138	21.80	21.84	21.83	23.0	0.2
100	QPSK	270	0	21.83	21.90	21.87	23.0	0.2
100	16QAM	1	1	21.83	21.87	21.80	23.0	0.2
100	64QAM	1	1	20.21	20.38	20.24	21.5	1.7
100	256QAM	1	1	18.50	18.01	18.50	18.5	3.7
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.77	21.84	21.83	23.2	0.0
Channel								
Frequency (MHz)				4843.34	495000	495000		
80	QPSK	1	1	21.83	21.82	21.83	23.2	0.0
Channel								
Frequency (MHz)				6490.00	650000	650000		
70	QPSK	1	1	21.74	21.88	21.88	23.2	0.0
Channel								
Frequency (MHz)				6496.68	650000	6503.34		
60	QPSK	1	1	21.80	21.91	21.85	23.2	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.81	21.88	21.88	23.2	0.0
Channel								
Frequency (MHz)				6480.00	650000	650000		
40	QPSK	1	1	21.73	21.86	21.87	23.2	0.0
Channel								
Frequency (MHz)				6476.68	650000	6543.34		
30	QPSK	1	1	21.83	21.86	21.76	23.2	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.74	21.88	21.81	23.2	0.0
Channel								
Frequency (MHz)				6471.68	650000	6543.34		
15	QPSK	1	1	21.72	21.88	21.77	23.2	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	21.70	21.92	21.84	23.2	0.0

Part270 n77 PC2 DSI5_Simultaneous Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	24.77	24.89	24.78		
100	PI2 BPSK	1	137	24.77	24.90	24.79	28.2	0.0
100	PI2 BPSK	1	271	24.72	24.88	24.75		
100	PI2 BPSK	135	0	24.87	24.90	24.85	28.2	0.0
100	PI2 BPSK	135	69	24.80	25.02	24.92	28.2	0.0
100	PI2 BPSK	135	138	24.87	24.94	24.92	28.2	0.0
100	PI2 BPSK	270	0	24.86	24.89	24.75	28.2	0.0
100	QPSK	1	1	24.86	25.03	24.99		
100	QPSK	1	137	24.80	24.94	24.89	28.2	0.0
100	QPSK	1	271	24.86	24.94	24.78		
100	QPSK	135	0	24.76	24.91	24.86	28.2	0.0
100	QPSK	135	69	24.89	25.01	24.85	28.2	0.0
100	QPSK	135	138	24.91	25.00	24.97	28.2	0.0
100	QPSK	270	0	24.76	24.90	24.78	28.2	0.0
100	16QAM	1	1	24.91	24.97	24.91	28.2	0.0
100	64QAM	1	1	23.89	23.74	23.85	25.0	1.2
100	256QAM	1	1	21.79	21.82	21.71	23.0	3.2
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.78	24.95	24.94	28.2	0.0
Channel								
Frequency (MHz)				4843.34	495000	495000		
80	QPSK	1	1	24.82	24.90	24.97	28.2	0.0
Channel								
Frequency (MHz)				6490.00	650000	650000		
70	QPSK	1	1	24.83	24.90	24.91	28.2	0.0
Channel								
Frequency (MHz)				6496.68	650000	6503.34		
60	QPSK	1	1	24.79	24.95	24.85	28.2	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	24.73	24.89	24.92	28.2	0.0
Channel								
Frequency (MHz)				6480.00	650000	650000		
40	QPSK	1	1	24.76	24.93	24.86	28.2	0.0
Channel								
Frequency (MHz)				6476.68	650000	6543.34		
30	QPSK	1	1	24.72	24.98	24.98	28.2	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	24.73	24.97	24.96	28.2	0.0
Channel								
Frequency (MHz)				6471.68	650000	6543.34		
15	QPSK	1	1	24.78	25.00	24.92	28.2	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	24.74	24.87	24.85	28.2	0.0

Part270 n77 DSI5_Simultaneous Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			22.42		
100	PI2 BPSK	1	137			22.46	23.2	0.0
100	PI2 BPSK	1	271			22.44		
100	PI2 BPSK	135	0			22.45	23.2	0.0
100	PI2 BPSK	135	69			22.38	23.2	0.0
100	PI2 BPSK	135	138			22.44	23.2	0.0
100	PI2 BPSK	270	0			22.34	23.2	0.0
100	QPSK	1	1			22.47		
100	QPSK	1	137			22.43	23.2	0.0
100	QPSK	1	271			22.37		
100	QPSK	135	0			22.40	23.0	0.2
100	QPSK	135	69			22.42	23.2	0.0
100	QPSK	135	138			22.32	23.0	0.2
100	QPSK	270	0			22.35	23.0	0.2
100	16QAM	1	1			22.24	23.0	0.2
100	64QAM	1	1			20.78	21.5	1.7
100	256QAM	1	1			18.00	18.5	3.7
Channel								
Frequency (MHz)				6330.00	633334	633668		
90	QPSK	1	1	22.31	22.33	22.32	23.2	0.0
Channel								
Frequency (MHz)				6326.68	633334	634000		
80	QPSK	1	1	22.34	22.42	22.38	23.2	0.0
Channel								
Frequency (MHz)				6323.34	633334	634334		
70	QPSK	1	1	22.43	22.39	22.34	23.2	0.0
Channel								
Frequency (MHz)				6330.00	633334	633668		
60	QPSK	1	1	22.35	22.42	22.43	23.2	0.0
Channel								
Frequency (MHz)				6316.68	633334	633668		
50	QPSK	1	1	22.32	22.44	22.43	23.2	0.0
Channel								
Frequency (MHz)				6313.34	633334	633668		
40	QPSK	1	1	22.37	22.45	22.37	23.2	0.0
Channel								
Frequency (MHz)				6310.00	633334	633668		
30	QPSK	1	1	22.40	22.37	22.24	23.2	0.0
Channel								
Frequency (MHz)				6306.68	633334	633668		
20	QPSK	1	1	22.42	22.39	22.36	23.2	0.0
Channel								
Frequency (MHz)				6303.34	633334	633668		
15	QPSK	1	1	22.33	22.36	22.35	23.2	0.0
Channel								
Frequency (MHz)				6300.00	633334	633668		
10	QPSK	1	1	22.35	22.32	22.41	23.2	0.0



Part27Q n77 PC2 DSI5_Simultaneous Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		25.25			
100	PI2 BPSK	1	271		25.44		26.2	0.0
100	PI2 BPSK	135	0		25.43			
100	PI2 BPSK	135	69		25.41		26.2	0.0
100	PI2 BPSK	135	138		25.46		26.2	0.0
100	PI2 BPSK	270	0		25.42		26.2	0.0
100	PI2 BPSK	270	0		25.45			
100	QPSK	1	1		25.50			
100	QPSK	1	137		25.34		26.2	0.0
100	QPSK	1	271		25.48			
100	QPSK	135	0		25.41		26.2	0.0
100	QPSK	135	69		25.46		26.2	0.0
100	QPSK	135	138		25.40		26.2	0.0
100	QPSK	270	0		25.38			
100	16QAM	1	1		25.30		26.2	0.0
100	64QAM	1	1		24.34		25.0	1.2
100	256QAM	1	1		22.37		23.0	3.2
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.38	25.33	25.47	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3498.02	3500.01	3502	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.41	25.34	25.43	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	631168	633334	635500	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.43	25.43	25.40	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3478.01	3500.01	3520.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.34	25.37	25.47	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.43	25.48	25.47	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636168	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3457.5	3500.01	3542.50	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3452.01	3500.01	3542.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.37	25.45	25.45	Tune-up limit (dBm)	MPR (dB)



Part270 n78 DSI5_Simultaneous Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3750	3750	3750				
Frequency (MHz)					2179					
100	PI2 BPSK	1	1		2179					
100	PI2 BPSK	1	137		2176		23.2	0.0		
100	PI2 BPSK	1	271		2186					
100	PI2 BPSK	135	0		2186		23.2	0.0		
100	PI2 BPSK	135	69		2176		23.2	0.0		
100	PI2 BPSK	135	138		2182		23.2	0.0		
100	PI2 BPSK	270	0		2183		23.2	0.0		
100	QPSK	1	1		2190					
100	QPSK	1	137		2184		23.2	0.0		
100	QPSK	1	271		2183					
100	QPSK	135	0		2179		23.0	0.2		
100	QPSK	135	69		2187		23.2	0.0		
100	QPSK	135	138		2186		23.0	0.2		
100	QPSK	270	0		2192		23.0	0.2		
100	16QAM	1	1		2176		21.5	1.7		
100	64QAM	1	1		2032		21.5	1.7		
100	256QAM	1	1		1824		19.8	3.7		
Channel				64968	65000	65034	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)		
90	QPSK	1	1		2179	2179	21.87	23.2	0.0	
Channel				64934	65000	65068	Tune-up limit	MPR		
Frequency (MHz)				3749.01	3750	3750.02	(dBm)	(dB)		
80	QPSK	1	1		2175	2182	21.85	23.2	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1		2184	2185	2174	23.2	0.0	
Channel				64868	65000	65134	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)		
60	QPSK	1	1		2179	2182	2179	23.2	0.0	
Channel				64834	65000	65166	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)		
50	QPSK	1	1		2181	2176	2182	23.2	0.0	
Channel				64800	65000	65200	Tune-up limit	MPR		
Frequency (MHz)				3720.02	3750	3790.01	(dBm)	(dB)		
40	QPSK	1	1		2177	2180	2176	23.2	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)		
30	QPSK	1	1		2183	2184	2182	23.2	0.0	
Channel				64734	65000	65268	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
20	QPSK	1	1		2184	2174	2177	23.2	0.0	
Channel				64700	65000	65298	Tune-up limit	MPR		
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)		
15	QPSK	1	1		2176	2182	2179	23.2	0.0	
Channel				64700	65000	65300	Tune-up limit	MPR		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
10	QPSK	1	1		2188	2184	2178	23.2	0.0	

Part270 n78 PC2 DSI5_Simultaneous Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				65000	65000	65000				
Frequency (MHz)					2493					
100	PI2 BPSK	1	1		2493					
100	PI2 BPSK	1	137		2492		26.2	0.0		
100	PI2 BPSK	1	271		2488					
100	PI2 BPSK	135	0		2491		26.2	0.0		
100	PI2 BPSK	135	69		2486		26.2	0.0		
100	PI2 BPSK	135	138		2494		26.2	0.0		
100	PI2 BPSK	270	0		2497		26.2	0.0		
100	QPSK	1	1		2500					
100	QPSK	1	137		2485		26.2	0.0		
100	QPSK	1	271		2488					
100	QPSK	135	0		2484		26.2	0.0		
100	QPSK	135	69		2492		26.2	0.0		
100	QPSK	135	138		2485		26.2	0.0		
100	QPSK	270	0		2497		26.2	0.0		
100	16QAM	1	1		2485		25.0	1.2		
100	64QAM	1	1		2194		25.0	1.2		
100	256QAM	1	1		1824		23.0	3.2		
Channel				64968	65000	65034	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)		
90	QPSK	1	1		2487	2486	2497	26.2	0.0	
Channel				64934	65000	65068	Tune-up limit	MPR		
Frequency (MHz)				3749.01	3750	3750.02	(dBm)	(dB)		
80	QPSK	1	1		2493	2489	2489	26.2	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1		2490	2485	2485	23.2	0.0	
Channel				64868	65000	65134	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)		
60	QPSK	1	1		2490	2486	2490	26.2	0.0	
Channel				64834	65000	65200	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)		
50	QPSK	1	1		2496	2494	2490	26.2	0.0	
Channel				64800	65000	65300	Tune-up limit	MPR		
Frequency (MHz)				3720.02	3750	3790.01	(dBm)	(dB)		
40	QPSK	1	1		2497	2485	2490	26.2	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)		
30	QPSK	1	1		2494	2485	2486	23.2	0.0	
Channel				64734	65000	65268	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
20	QPSK	1	1		2498	2485	2492	26.2	0.0	
Channel				64700	65000	65298	Tune-up limit	MPR		
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)		
15	QPSK	1	1		2498	2491	2491	26.2	0.0	
Channel				64700	65000	65300	Tune-up limit	MPR		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
10	QPSK	1	1		2493	2491	2485	23.2	0.0	

Part27Q n78 DSI5_Simultaneous Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				63300	63334	63354				
Frequency (MHz)					3500.01					
100	PI2 BPSK	1	1		3500.01					
100	PI2 BPSK	1	137		3500.01		23.2	0.0		
100	PI2 BPSK	1	271		3500.01					
100	PI2 BPSK	135	0		3500.01		23.2	0.0		
100	PI2 BPSK	135	69		3500.01		23.2	0.0		
100	PI2 BPSK	135	138		3500.01		23.2	0.0		
100	PI2 BPSK	270	0		3500.01		23.2	0.0		
100	QPSK	1	1		3500.01					
100	QPSK	1	137		3500.01		23.2	0.0		
100	QPSK	1	271		3500.01					
100	QPSK	135	0		3500.01		23.0	0.2		
100	QPSK	135	69		3500.01		23.2	0.0		
100	QPSK	135	138		3500.01		23.0	0.2		
100	QPSK	270	0		3500.01		23.2	0.0		
100	16QAM	1	1		3500.01		21.5	1.7		
100	64QAM	1	1		3500.01		21.5	1.7		
100	256QAM	1	1		3500.01		19.8	3.7		
Channel				63300	63334	63354	Tune-up limit	MPR		
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)		
90	QPSK	1	1		2231	2231	2237	23.2	0.0	
Channel				63268	63334	63400	Tune-up limit	MPR		
Frequency (MHz)				3495.02	3500.01	3505	(dBm)	(dB)		
80	QPSK	1	1		2235	2235	2235	23.2	0.0	
Channel				63234	63334	63434	Tune-up limit	MPR		
Frequency (MHz)				3495.01	3500.01	3515.01	(dBm)	(dB)		
70	QPSK	1	1		2229	2239	2234	23.2	0.0	
Channel				63200	63334	63468	Tune-up limit	MPR		
Frequency (MHz)				3490	3500.01	3520.02	(dBm)	(dB)		
60	QPSK	1	1		2232	2231	2231	23.2	0.0	
Channel				63166	63334	63502	Tune-up limit	MPR		
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)		
50	QPSK	1	1		2234	2238	2232	23.2	0.0	
Channel				63134	63334	63534	Tune-up limit	MPR		
Frequency (MHz)				3470.01	3500.01	3520.01	(dBm)	(dB)		
40	QPSK	1	1		2228	2233	2241	23.2	0.0	
Channel				63100	63334	63568	Tune-up limit	MPR		
Frequency (MHz)				3465.02	3500.01	3525.02	(dBm)	(dB)		
30	QPSK	1	1		2229	2240	2229	23.2	0.0	
Channel				63068	63334	63602	Tune-up limit	MPR		
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)		
20	QPSK	1	1							



Part27Q n78 PC2 DSI5_Simultaneous Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					3000.01				
Frequency (MHz)					25.32				
100	PI2 BPSK	1	1		25.38		26.2	0.0	
100	PI2 BPSK	1	137		25.38				
100	PI2 BPSK	1	271		25.38				
100	PI2 BPSK	135	0		25.31		26.2	0.0	
100	PI2 BPSK	135	69		25.30		26.2	0.0	
100	PI2 BPSK	135	138		25.32		26.2	0.0	
100	PI2 BPSK	270	0		25.32				
100	QPSK	1	1		25.46				
100	QPSK	1	137		25.29		26.2	0.0	
100	QPSK	1	271		25.40				
100	QPSK	135	0		25.26		26.2	0.0	
100	QPSK	135	69		25.34		26.2	0.0	
100	QPSK	135	138		25.31		26.2	0.0	
100	QPSK	270	0		25.30				
100	16QAM	1	1		25.23		26.2	0.0	
100	16QAM	1	1		24.30		25.0	1.2	
100	25QAM	1	1		22.10		23.0	3.2	
Channel				633000	633334	633668			
Frequency (MHz)				3485	3000.01	3005.02			
90	QPSK	1	1		25.35	25.35	25.31	26.2	0.0
Channel				632068	633334	634000			
Frequency (MHz)				3480.02	3000.01	3010			
80	QPSK	1	1		25.44	25.42	25.30	26.2	0.0
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3000.01	3115.01			
70	QPSK	1	1		25.33	25.34	25.25	26.2	0.0
Channel				632000	633334	634668			
Frequency (MHz)				3480	3000.01	3020.02			
60	QPSK	1	1		25.38	25.42	25.29	26.2	0.0
Channel				631068	633334	635000			
Frequency (MHz)				3475.02	3000.01	3025			
50	QPSK	1	1		25.43	25.34	25.40	26.2	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3020.01	3028.01			
40	QPSK	1	1		25.37	25.41	25.41	26.2	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3485	3000.01	3035.02			
30	QPSK	1	1		25.30	25.30	25.33	26.2	0.0
Channel				630668	633334	635900			
Frequency (MHz)				3480.02	3000.01	3040			
20	QPSK	1	1		25.42	25.32	25.33	26.2	0.0
Channel				630500	633334	636168			
Frequency (MHz)				3475.01	3000.01	3042.02			
15	QPSK	1	1		25.32	25.34	25.31	26.2	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3480.01	3000.01	3043.01			
10	QPSK	1	1		25.30	25.31	25.41	26.2	0.0



n2 DS15_Simultaneous Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	20.38	20.54	20.44			
20	PI2 BPSK	1	53	20.37	20.48	20.33	22.1	0.0	
20	PI2 BPSK	1	104	20.40	20.38	20.25			
20	PI2 BPSK	50	0	20.28	20.34	20.23	22.1	0.0	
20	PI2 BPSK	50	28	20.32	20.47	20.34	22.1	0.0	
20	PI2 BPSK	50	56	20.36	20.42	20.35			
20	PI2 BPSK	100	0	20.33	20.44	20.25	22.1	0.0	
20	QPSK	1	1	20.45	20.56	20.46			
20	QPSK	1	53	20.50	20.51	20.42	22.1	0.0	
20	QPSK	1	104	20.42	20.46	20.33			
20	QPSK	50	0	20.38	20.46	20.34	22.1	0.0	
20	QPSK	50	28	20.42	20.55	20.42	22.1	0.0	
20	QPSK	50	56	20.27	20.40	20.38			
20	QPSK	100	0	20.36	20.41	20.36	22.1	0.0	
20	16QAM	1	1	20.25	20.36	20.21	22.1	0.0	
20	64QAM	1	1	20.33	20.35	20.31	22.0	0.1	
20	256QAM	1	1	18.54	18.01	18.48	23.0	2.1	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	20.38	20.50	20.37	22.1	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	20.35	20.46	20.42	22.1	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	20.38	20.51	20.38	22.1	0.0	

n5 Default Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166800	167300	167800			
20	PI2 BPSK	1	1	22.58	22.62	22.53			
20	PI2 BPSK	1	53	22.42	22.53	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40			
20	PI2 BPSK	100	0	22.44	22.50	22.48	24.0	0.0	
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.56	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40			
20	QPSK	100	0	22.47	22.56	22.51	24.0	0.0	
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.1	
20	256QAM	1	1	21.71	21.81	21.73	23.0	1.0	
Channel									
Frequency (MHz)				163300	163300	163300			
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel									
Frequency (MHz)				166800	167300	168300			
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel									
Frequency (MHz)				166300	167300	166300			
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 DS15_Simultaneous Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506000	507000	510000			
40	PI2 BPSK	1	1	13.91	13.98	13.86			
40	PI2 BPSK	1	108	13.87	13.95	13.88	15.3	0.0	
40	PI2 BPSK	1	214	13.86	13.89	13.86			
40	PI2 BPSK	108	0	13.84	13.87	13.85	15.3	0.0	
40	PI2 BPSK	108	54	13.79	13.93	13.90	15.3	0.0	
40	PI2 BPSK	108	108	13.96	14.01	14.00			
40	PI2 BPSK	216	0	13.91	13.94	13.79			
40	QPSK	1	1	14.00	14.07	13.89			
40	QPSK	1	108	13.82	14.01	13.89			
40	QPSK	1	214	13.89	13.95	13.92	15.3	0.0	
40	QPSK	108	0	13.87	13.98	13.83	15.3	0.0	
40	QPSK	108	54	13.94	14.02	13.86	15.3	0.0	
40	QPSK	108	108	13.77	13.91	13.80	15.3	0.0	
40	QPSK	216	0	13.95	13.95	13.97			
40	16QAM	1	1	13.94	14.00	13.92	15.3	0.0	
40	64QAM	1	1	13.79	13.91	13.82	15.3	0.0	
40	256QAM	1	1	13.79	13.86	13.72	15.3	0.0	
Channel									
Frequency (MHz)				2915	2935	2955			
30	QPSK	1	1	13.77	13.86	13.69	15.3	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	13.74	13.85	13.70	15.3	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	13.76	13.89	13.65	15.3	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	13.73	13.90	13.70	15.3	0.0	
Channel									
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	1	13.78	13.85	13.66	15.3	0.0	
Channel									
Frequency (MHz)				500500	507000	513000			
5	QPSK	1	1	13.75	13.87	13.68	15.3	0.0	



n25 DSI5_Simultaneous Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq.	Middle Ch. F.Freq.	High Ch. F.Freq.			
Channel									
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	20.46	20.54	20.47			
40	PI2 BPSK	1	108	20.29	20.42	20.37	22.1	0.0	
40	PI2 BPSK	1	214	20.30	20.39	20.30			
40	PI2 BPSK	108	0	20.41	20.49	20.48	22.1	0.0	
40	PI2 BPSK	108	54	20.37	20.44	20.43	22.1	0.0	
40	PI2 BPSK	108	108	20.40	20.44	20.38	22.1	0.0	
40	PI2 BPSK	216	0	20.30	20.40	20.27			
40	QPSK	1	1	20.65	20.66	20.58			
40	QPSK	1	108	20.46	20.51	20.46	22.1	0.0	
40	QPSK	1	214	20.42	20.53	20.38			
40	QPSK	108	0	20.46	20.58	20.44	22.1	0.0	
40	QPSK	108	54	20.52	20.63	20.50	22.1	0.0	
40	QPSK	108	108	20.36	20.47	20.42	22.1	0.0	
40	QPSK	216	0	20.46	20.46	20.43			
40	16QAM	1	1	20.27	20.32	20.17	22.1	0.0	
40	64QAM	1	1	20.43	20.47	20.35	22.0	0.1	
40	256QAM	1	1	18.58	18.07	18.60	22.0	2.1	
Channel									
Frequency (MHz)				1885	1892.5	1900			
30	QPSK	1	1	20.51	20.52	20.43	22.1	0.0	
Channel									
Frequency (MHz)				372000	376500	380500			
25	QPSK	1	1	20.54	20.62	20.42	22.1	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	20.51	20.49	20.42	22.1	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	20.47	20.49	20.42	22.1	0.0	
Channel									
Frequency (MHz)				1885	1892.5	1910			
10	QPSK	1	1	20.48	20.53	20.44	22.1	0.0	
Channel									
Frequency (MHz)				370500	376500	380500			
5	QPSK	1	1	20.53	20.50	20.44	22.1	0.0	

n30 DSI5_Simultaneous Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq.	Middle Ch. F.Freq.	High Ch. F.Freq.			
Channel									
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	14.59					
10	PI2 BPSK	1	26	14.24			15.6	0.0	
10	PI2 BPSK	1	50	14.35					
10	PI2 BPSK	25	0	14.28			15.6	0.0	
10	PI2 BPSK	25	14	14.32			15.6	0.0	
10	PI2 BPSK	25	27	14.25			15.6	0.0	
10	PI2 BPSK	50	0	14.31					
10	QPSK	1	1	14.48					
10	QPSK	1	26	14.20			15.6	0.0	
10	QPSK	1	50	14.28					
10	QPSK	25	0	14.28			15.6	0.0	
10	QPSK	25	14	14.29			15.6	0.0	
10	QPSK	25	27	14.23			15.6	0.0	
10	QPSK	50	0	14.37					
10	16QAM	1	1	14.32			15.6	0.0	
10	64QAM	1	1	14.30			15.6	0.0	
10	256QAM	1	1	14.20			15.6	0.0	
Channel									
Frequency (MHz)				461900	462000	462900			
5	QPSK	1	1	14.15	14.20	14.17	15.6	0.0	

n66 DSI5_Simultaneous Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq.	Middle Ch. F.Freq.	High Ch. F.Freq.			
Channel									
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	20.50	20.61	20.61			
40	PI2 BPSK	1	108	20.49	20.80	20.46	21.5	0.0	
40	PI2 BPSK	1	214	20.42	20.47	20.33			
40	PI2 BPSK	108	0	20.31	20.38	20.37	21.5	0.0	
40	PI2 BPSK	108	54	20.43	20.53	20.48	21.5	0.0	
40	PI2 BPSK	108	108	20.39	20.37	20.32	21.5	0.0	
40	PI2 BPSK	216	0	20.30	20.44	20.35			
40	QPSK	1	1	20.54	20.68	20.49			
40	QPSK	1	108	20.58	20.59	20.53	21.5	0.0	
40	QPSK	1	214	20.48	20.57	20.48			
40	QPSK	108	0	20.29	20.40	20.36	21.5	0.0	
40	QPSK	108	54	20.47	20.56	20.39	21.5	0.0	
40	QPSK	108	108	20.34	20.40	20.38	21.5	0.0	
40	QPSK	216	0	20.45	20.46	20.33			
40	16QAM	1	1	20.40	20.45	20.30	21.5	0.0	
40	64QAM	1	1	20.42	20.45	20.35	21.5	0.0	
40	256QAM	1	1	18.34	18.48	18.38	20.0	1.3	
Channel									
Frequency (MHz)				343000	349000	353000			
30	QPSK	1	1	20.43	20.80	20.35	21.5	0.0	
Channel									
Frequency (MHz)				344000	349000	354000			
20	QPSK	1	1	20.50	20.84	20.35	21.5	0.0	
Channel									
Frequency (MHz)				343500	349000	354500			
15	QPSK	1	1	20.43	20.67	20.35	21.5	0.0	
Channel									
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.48	20.61	20.37	21.5	0.0	
Channel									
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	20.44	20.64	20.35	21.5	0.0	



n70 DSI5_Simultaneous Ant2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		20.60			
15	PI/2 BPSK	1	40		20.41		22.1	0.0
15	PI/2 BPSK	1	77		20.24			
15	PI/2 BPSK	36	0		20.55		22.1	0.0
15	PI/2 BPSK	36	22		20.54		22.1	0.0
15	PI/2 BPSK	36	43		20.50			
15	PI/2 BPSK	75	0		20.58		22.1	0.0
15	QPSK	1	1		20.66			
15	QPSK	1	40		20.56		22.1	0.0
15	QPSK	1	77		20.59			
15	QPSK	36	0		20.53		22.0	0.1
15	QPSK	36	22		20.63		22.1	0.0
15	QPSK	36	43		20.47		22.0	0.1
15	QPSK	75	0		20.51			
15	16QAM	1	1		20.49		22.0	0.1
15	16QAM	1	1		19.76		20.5	1.6
15	256QAM	1	1		17.67		18.5	2.6
Channel				340000	340500	341000	Tune-up limit	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	20.49	20.55	20.49	22.1	0.0
Channel				339500	340500	341500	Tune-up limit	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	20.44	20.56	20.43	22.1	0.0



n38 DSI5_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Midsize Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				519004	519000	519996			
Frequency (MHz)				2595.02	2595	2599.98			
40	PI2 BPSK	1	1	14.02	14.03	14.59			
40	PI2 BPSK	1	53	14.50	14.55	14.51	15.5	0.0	
40	PI2 BPSK	1	104	14.37	14.58	14.52			
40	PI2 BPSK	50	0	14.82	14.83	14.81	15.5	0.0	
40	PI2 BPSK	50	28	14.57	14.81	14.80	15.5	0.0	
40	PI2 BPSK	50	56	14.53	14.86	14.49	15.5	0.0	
40	PI2 BPSK	100	0	14.49	14.80	14.63			
40	QPSK	1	1	14.83	14.88	14.59			
40	QPSK	1	53	14.56	14.87	14.52	15.5	0.0	
40	QPSK	1	104	14.51	14.59	14.58			
40	QPSK	50	0	14.44	14.80	14.52	15.5	0.0	
40	QPSK	50	28	14.49	14.86	14.55	15.5	0.0	
40	QPSK	50	56	14.46	14.53	14.50	15.5	0.0	
40	QPSK	100	0	14.45	14.54	14.50			
40	16QAM	1	1	14.25	14.44	14.30	15.5	0.0	
40	64QAM	1	1	14.22	14.20	14.30	15.5	0.0	
40	256QAM	1	1	14.24	14.27	14.27	15.5	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.98			
30	QPSK	1	1	14.57	14.61	14.51	15.5	0.0	
Channel				516004	519000	521498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2589.52	2595	2604.48			
25	QPSK	1	1	14.54	14.64	14.51	15.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	14.55	14.55	14.54	15.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.48			
15	QPSK	1	1	14.57	14.66	14.52	15.5	0.0	
Channel				515005	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	14.58	14.82	14.56	15.5	0.0	

n41 DSI5_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Midsize Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518998	529000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	14.51	14.63	14.49			
100	PI2 BPSK	1	137	14.44	14.55	14.46	15.5	0.0	
100	PI2 BPSK	1	271	14.59	14.65	14.53			
100	PI2 BPSK	135	0	14.37	14.47	14.43	15.5	0.0	
100	PI2 BPSK	135	69	14.46	14.56	14.42	15.5	0.0	
100	PI2 BPSK	135	138	14.47	14.52	14.38	15.5	0.0	
100	PI2 BPSK	270	0	14.40	14.53	14.46			
100	QPSK	1	1	14.64	14.69	14.58			
100	QPSK	1	137	14.57	14.61	14.49	15.5	0.0	
100	QPSK	1	271	14.56	14.59	14.60			
100	QPSK	135	0	14.40	14.46	14.39	15.5	0.0	
100	QPSK	135	69	14.57	14.63	14.54	15.5	0.0	
100	QPSK	135	138	14.41	14.56	14.48	15.5	0.0	
100	QPSK	270	0	14.34	14.53	14.36			
100	16QAM	1	1	14.43	14.61	14.48	15.5	0.0	
100	64QAM	1	1	14.34	14.50	14.46	15.5	0.0	
100	256QAM	1	1	14.32	14.45	14.40	15.5	0.0	
Channel				509200	518998	529000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
80	QPSK	1	1	14.38	14.36	14.34	15.5	0.0	
Channel				507204	518998	529000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2628.02	2692.99	2688.98			
80	QPSK	1	1	14.36	14.37	14.34	15.5	0.0	
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2631.01	2692.99	2695			
70	QPSK	1	1	14.57	14.43	14.29	15.5	0.0	
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2692.99	2699.98			
60	QPSK	1	1	14.35	14.36	14.31	15.5	0.0	
Channel				504202	518998	533000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2618.01	2692.99	2690			
50	QPSK	1	1	14.38	14.36	14.31	15.5	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2692.99	2690			
40	QPSK	1	1	14.36	14.39	14.32	15.5	0.0	
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2692.99	2674.98			
30	QPSK	1	1	14.35	14.38	14.36	15.5	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2606.02	2692.99	2679.99			
20	QPSK	1	1	14.33	14.42	14.29	15.5	0.0	



n41 PC2 DSI5_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518998	526000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.45	17.50	17.58			
100	PI/2 BPSK	1	137	17.30	17.43	17.31	18.5	0.0	
100	PI/2 BPSK	1	271	17.35	17.49	17.33			
100	PI/2 BPSK	135	0	17.14	17.26	17.13	18.5	0.0	
100	PI/2 BPSK	135	69	17.34	17.49	17.47	18.5	0.0	
100	PI/2 BPSK	135	138	17.31	17.35	17.38	18.5	0.0	
100	PI/2 BPSK	270	0	17.31	17.47	17.33			
100	QPSK	1	1	17.51	17.58	17.48			
100	QPSK	1	137	17.25	17.32	17.29	18.5	0.0	
100	QPSK	1	271	17.47	17.44	17.32			
100	QPSK	135	0	16.83	16.88	16.88	18.5	0.0	
100	QPSK	135	69	17.38	17.39	17.31	18.5	0.0	
100	QPSK	135	138	16.89	16.90	16.85	18.5	0.0	
100	QPSK	270	0	16.87	16.96	16.97			
100	16QAM	1	1	16.96	17.06	16.92	18.5	0.0	
100	64QAM	1	1	16.84	16.82	16.93	18.5	0.0	
100	256QAM	1	1	16.98	16.92	16.79	18.5	0.0	
Channel				506203	518999	526000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	16.89	16.90	16.86	18.5	0.0	
Channel				507204	518998	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2638.02	2592.99	2648.98			
80	QPSK	1	1	16.84	16.87	16.84	18.5	0.0	
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	16.83	16.85	16.79	18.5	0.0	
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	16.90	16.89	16.84	18.5	0.0	
Channel				504201	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.98			
50	QPSK	1	1	16.92	16.85	16.83	18.5	0.0	
Channel				503202	518998	536000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.03	2592.99	2670			
40	QPSK	1	1	16.90	16.90	16.83	18.5	0.0	
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.89	16.87	16.81	18.5	0.0	
Channel				501201	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.02	2592.99	2679.98			
20	QPSK	1	1	16.92	16.85	16.78	18.5	0.0	

n48 Part96 DSI5_Simultaneous Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI/2 BPSK	1	1	17.50	17.48	17.56			
40	PI/2 BPSK	1	53	17.36	17.41	17.23	18.6	0.0	
40	PI/2 BPSK	1	104	17.31	17.43	17.28			
40	PI/2 BPSK	50	0	17.22	17.40	17.32	18.6	0.0	
40	PI/2 BPSK	50	26	17.37	17.43	17.36	18.6	0.0	
40	PI/2 BPSK	50	56	17.39	17.23	17.41	18.6	0.0	
40	PI/2 BPSK	100	0	17.33	17.46	17.41			
40	QPSK	1	1	17.48	17.62	17.53			
40	QPSK	1	53	17.49	17.50	17.33	18.6	0.0	
40	QPSK	1	104	17.42	17.54	17.41			
40	QPSK	50	0	17.44	17.38	17.38	18.6	0.0	
40	QPSK	50	26	17.37	17.55	17.46	18.6	0.0	
40	QPSK	50	56	17.36	17.49	17.37	18.6	0.0	
40	QPSK	100	0	17.29	17.41	17.31			
40	16QAM	1	1	17.38	17.52	17.48	18.6	0.0	
40	64QAM	1	1	17.45	17.40	17.23	18.6	0.0	
40	256QAM	1	1	17.38	17.52	17.48	18.6	0.0	
Channel				637663	641666	645998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565.02	3624.99	3684.98			
30	QPSK	1	1	17.43	17.57	17.45	18.6	0.0	
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560.03	3624.99	3680			
20	QPSK	1	1	17.44	17.56	17.47	18.6	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3624.99	3684.98			
10	QPSK	1	1	17.41	17.60	17.41	18.6	0.0	



Part270 n77 DSI5_Simultaneous Ant2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.87	16.98	16.87		
100	PI2 BPSK	1	137	17.05	17.05	16.97	18.2	0.0
100	PI2 BPSK	1	271	17.06	17.08	16.85		
100	PI2 BPSK	135	0	17.08	17.13	17.00	18.2	0.0
100	PI2 BPSK	135	69	17.03	17.19	16.97	18.2	0.0
100	PI2 BPSK	135	138	16.96	17.14	17.16	18.2	0.0
100	PI2 BPSK	270	0	17.11	17.20	16.93		
100	QPSK	1	1	17.02	17.31	17.06		
100	QPSK	1	137	16.96	16.84	16.87	18.2	0.0
100	QPSK	1	271	16.93	16.98	16.90		
100	QPSK	135	0	16.96	17.13	16.94	18.2	0.0
100	QPSK	135	69	16.97	17.28	17.03	18.2	0.0
100	QPSK	135	138	16.98	17.07	16.97	18.2	0.0
100	QPSK	270	0	16.98	17.08	16.99		
100	16QAM	1	1	16.93	16.98	16.93	18.2	0.0
100	64QAM	1	1	16.83	16.78	16.83	18.2	0.0
100	256QAM	1	1	16.73	16.74	16.86	18.2	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	16.74	16.97	16.98	18.2	0.0
Channel								
Frequency (MHz)				3740.02	3840	3930.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.72	16.97	16.92	18.2	0.0
Channel								
Frequency (MHz)				6490.00	6500.00	6510.00	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.83	17.05	16.87	18.2	0.0
Channel								
Frequency (MHz)				6486.68	6500.00	6513.34	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.78	16.98	17.00	18.2	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.76	16.96	16.85	18.2	0.0
Channel								
Frequency (MHz)				6480.00	6500.00	6520.00	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	16.70	17.11	16.94	18.2	0.0
Channel								
Frequency (MHz)				6476.68	6500.00	6513.34	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	16.81	17.03	16.88	18.2	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.89	17.12	16.80	18.2	0.0
Channel								
Frequency (MHz)				6471.68	6500.00	6513.34	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.82	17.02	16.95	18.2	0.0
Channel								
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.87	17.07	16.90	18.2	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)				3750	3840	3930		
100	PI2 BPSK	1	1	19.88	20.02	20.08		
100	PI2 BPSK	1	137	19.83	19.96	19.83	21.2	0.0
100	PI2 BPSK	1	271	19.89	20.04	19.90		
100	PI2 BPSK	135	0	19.89	19.98	19.89	21.2	0.0
100	PI2 BPSK	135	69	19.77	20.09	19.99	21.2	0.0
100	PI2 BPSK	135	138	19.80	19.94	19.93	21.2	0.0
100	PI2 BPSK	270	0	19.82	19.93	19.91		
100	QPSK	1	1	19.99	20.25	20.06		
100	QPSK	1	137	20.06	19.86	20.06	21.2	0.0
100	QPSK	1	271	19.93	20.13	19.89		
100	QPSK	135	0	19.86	19.94	19.93	21.2	0.0
100	QPSK	135	69	20.06	20.07	19.96	21.2	0.0
100	QPSK	135	138	19.71	20.04	19.86	21.2	0.0
100	QPSK	270	0	19.94	20.13	19.93		
100	16QAM	1	1	19.81	20.12	19.90	21.2	0.0
100	64QAM	1	1	19.80	19.83	19.86	21.2	0.0
100	256QAM	1	1	19.58	19.88	19.88	21.2	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.04	20.15	20.08	21.2	0.0
Channel								
Frequency (MHz)				6493.34	6500.00	6526.68	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.90	20.18	20.09	21.2	0.0
Channel								
Frequency (MHz)				6490.00	6500.00	6530.00	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.84	20.07	20.07	21.2	0.0
Channel								
Frequency (MHz)				6486.68	6500.00	6513.34	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.82	20.05	20.16	21.2	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.80	20.20	20.12	21.2	0.0
Channel								
Frequency (MHz)				6480.00	6500.00	6540.00	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.95	20.02	20.17	21.2	0.0
Channel								
Frequency (MHz)				6476.68	6500.00	6513.34	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.98	20.03	19.98	21.2	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.96	20.03	20.01	21.2	0.0
Channel								
Frequency (MHz)				6471.68	6500.00	6513.34	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.80	20.15	20.10	21.2	0.0
Channel								
Frequency (MHz)				6470.00	6500.00	6550.00	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.03	20.09	20.04	21.2	0.0

Part27Q n77 DSI5_Simultaneous Ant2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			17.31		
100	PI2 BPSK	1	137			17.25	18.2	0.0
100	PI2 BPSK	1	271			17.21		
100	PI2 BPSK	135	0			17.25	18.2	0.0
100	PI2 BPSK	135	69			17.16	18.2	0.0
100	PI2 BPSK	135	138			17.04	18.2	0.0
100	PI2 BPSK	270	0			17.06		
100	QPSK	1	1			17.39		
100	QPSK	1	137			17.22	18.2	0.0
100	QPSK	1	271			17.35		
100	QPSK	135	0			17.21	18.2	0.0
100	QPSK	135	69			17.38	18.2	0.0
100	QPSK	135	138			17.32	18.2	0.0
100	QPSK	270	0			17.24		
100	16QAM	1	1			17.28	18.2	0.0
100	64QAM	1	1			16.91	18.2	0.0
100	256QAM	1	1			16.77	18.2	0.0
Channel								
Frequency (MHz)				6330.00	6333.34	6336.68	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	16.88	16.85	17.03	18.2	0.0
Channel								
Frequency (MHz)				6326.68	6333.34	6340.00	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.99	17.06	17.02	18.2	0.0
Channel								
Frequency (MHz)				6323.34	6333.34	6343.34	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.93	16.93	16.90	18.2	0.0
Channel								
Frequency (MHz)				6320.00	6333.34	6346.68	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.88	17.00	16.96	18.2	0.0
Channel								
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.81	17.00	17.01	18.2	0.0
Channel								
Frequency (MHz)				6316.68	6333.34	6350.00	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	17.03	16.91	16.94	18.2	0.0
Channel								
Frequency (MHz)				6310.00	6333.34	6356.68	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.04	17.03	16.92	18.2	0.0
Channel								
Frequency (MHz)				3480.02	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.90	16.96	16.97	18.2	0.0
Channel								
Frequency (MHz)				6300.00	6333.34	6360.00	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.91	17.00	17.01	18.2	0.0
Channel								
Frequency (MHz)				6303.34	6333.34	6363.34	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.97	16.91	17.10	18.2	0.0



Part27Q n77 PC2 DSI5_Simultaneous Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		19.96			
100	PI2 BPSK	1	271		19.95		21.2	0.0
100	PI2 BPSK	135	0		20.34			
100	PI2 BPSK	135	69		19.94		21.2	0.0
100	PI2 BPSK	135	138		19.96		21.2	0.0
100	PI2 BPSK	270	0		20.06			
100	PI2 BPSK	270	0		20.19		21.2	0.0
100	QPSK	1	1		20.36			
100	QPSK	1	137		20.04		21.2	0.0
100	QPSK	1	271		20.17			
100	QPSK	135	0		20.04		21.2	0.0
100	QPSK	135	69		20.19		21.2	0.0
100	QPSK	135	138		20.02		21.2	0.0
100	QPSK	270	0		20.15			
100	16QAM	1	1		20.11		21.2	0.0
100	64QAM	1	1		19.97		21.2	0.0
100	256QAM	1	1		20.13		21.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.02	19.99	20.01	21.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3498.02	3503.03	3510	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	632000	633334	634688	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.97	19.96	19.97	21.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631800	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.03	19.94	19.88	21.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3478.01	3503.01	3528.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.91	19.99	19.86	21.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	636688	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.98	19.95	19.93	21.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.06	20.00	19.97	21.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630000	633334	638168	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3457.5	3500.01	3542.50	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.12	19.85	20.01	21.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3450.01	3500.01	3540.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.04	19.84	19.86	21.2	0.0



Part270 n78 DSI5_Simultaneous Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI2 BPSK	1	1	16.61					
100	PI2 BPSK	1	137	16.72			18.2	0.0	
100	PI2 BPSK	1	271	16.83					
100	PI2 BPSK	135	0	16.79			18.2	0.0	
100	PI2 BPSK	135	69	16.80			18.2	0.0	
100	PI2 BPSK	135	138	16.83			18.2	0.0	
100	PI2 BPSK	270	0	16.81			18.2	0.0	
100	QPSK	1	1	17.07					
100	QPSK	1	137	16.86			18.2	0.0	
100	QPSK	1	271	16.88					
100	QPSK	135	0	16.75			18.2	0.0	
100	QPSK	135	69	16.78			18.2	0.0	
100	QPSK	135	138	16.77			18.2	0.0	
100	QPSK	270	0	16.92			18.2	0.0	
100	16QAM	1	1	16.70			18.2	0.0	
100	64QAM	1	1	16.41			18.2	0.0	
100	256QAM	1	1	16.42			18.2	0.0	
Channel				64098	65000	65034	Tune-up limit	MPR	
Frequency (MHz)									
90	QPSK	1	1	16.74	16.89	16.83	18.2	0.0	
Channel				64834	65000	65068	Tune-up limit	MPR	
Frequency (MHz)									
80	QPSK	1	1	16.61	16.81	16.75	18.2	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR	
Frequency (MHz)									
70	QPSK	1	1	16.53	16.70	16.54	18.2	0.0	
Channel				64868	65000	65134	Tune-up limit	MPR	
Frequency (MHz)									
60	QPSK	1	1	16.68	16.87	16.73	18.2	0.0	
Channel				3730.02	3750	3770.01	Tune-up limit	MPR	
Frequency (MHz)									
50	QPSK	1	1	16.59	16.77	16.66	18.2	0.0	
Channel				64800	65000	65000	Tune-up limit	MPR	
Frequency (MHz)									
40	QPSK	1	1	16.54	16.76	16.76	18.2	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR	
Frequency (MHz)									
30	QPSK	1	1	16.56	16.88	16.78	18.2	0.0	
Channel				64734	65000	65068	Tune-up limit	MPR	
Frequency (MHz)									
20	QPSK	1	1	16.54	16.82	16.66	18.2	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR	
Frequency (MHz)									
15	QPSK	1	1	16.74	16.91	16.73	18.2	0.0	
Channel				64700	65000	65300	Tune-up limit	MPR	
Frequency (MHz)									
10	QPSK	1	1	16.77	16.76	16.88	18.2	0.0	

Part270 n78 PC2 DSI5_Simultaneous Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI2 BPSK	1	1	19.90					
100	PI2 BPSK	1	137	19.95			21.2	0.0	
100	PI2 BPSK	1	271	20.01					
100	PI2 BPSK	135	0	20.01			21.2	0.0	
100	PI2 BPSK	135	69	20.06			21.2	0.0	
100	PI2 BPSK	135	138	19.97			21.2	0.0	
100	PI2 BPSK	270	0	19.91			21.2	0.0	
100	QPSK	1	1	20.20					
100	QPSK	1	137	20.07			21.2	0.0	
100	QPSK	1	271	19.78					
100	QPSK	135	0	19.75			21.2	0.0	
100	QPSK	135	69	19.98			21.2	0.0	
100	QPSK	135	138	19.87			21.2	0.0	
100	QPSK	270	0	20.12			21.2	0.0	
100	16QAM	1	1	19.94			21.2	0.0	
100	64QAM	1	1	19.66			21.2	0.0	
100	256QAM	1	1	19.58			21.2	0.0	
Channel				64098	65000	65034	Tune-up limit	MPR	
Frequency (MHz)									
90	QPSK	1	1	19.71	19.73	19.73	21.2	0.0	
Channel				64834	65000	65068	Tune-up limit	MPR	
Frequency (MHz)									
80	QPSK	1	1	19.56	19.68	19.72	21.2	0.0	
Channel				64900	65000	65100	Tune-up limit	MPR	
Frequency (MHz)									
70	QPSK	1	1	19.65	19.74	19.63	21.2	0.0	
Channel				64868	65000	65134	Tune-up limit	MPR	
Frequency (MHz)									
60	QPSK	1	1	19.58	19.68	19.67	21.2	0.0	
Channel				3730.02	3750	3770.01	Tune-up limit	MPR	
Frequency (MHz)									
50	QPSK	1	1	19.69	19.83	19.78	21.2	0.0	
Channel				64800	65000	65000	Tune-up limit	MPR	
Frequency (MHz)									
40	QPSK	1	1	19.58	19.83	19.87	21.2	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR	
Frequency (MHz)									
30	QPSK	1	1	19.65	19.79	19.80	21.2	0.0	
Channel				64734	65000	65068	Tune-up limit	MPR	
Frequency (MHz)									
20	QPSK	1	1	19.62	19.78	19.75	21.2	0.0	
Channel				64768	65000	65234	Tune-up limit	MPR	
Frequency (MHz)									
15	QPSK	1	1	19.60	19.75	19.87	21.2	0.0	
Channel				64700	65000	65300	Tune-up limit	MPR	
Frequency (MHz)									
10	QPSK	1	1	19.47	19.84	19.75	21.2	0.0	

Part27Q n78 DSI5_Simultaneous Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel				3500.01					
Frequency (MHz)									
100	PI2 BPSK	1	1	16.97					
100	PI2 BPSK	1	137	16.89			18.2	0.0	
100	PI2 BPSK	1	271	16.84					
100	PI2 BPSK	135	0	16.81			18.2	0.0	
100	PI2 BPSK	135	69	17.00			18.2	0.0	
100	PI2 BPSK	135	138	16.93			18.2	0.0	
100	PI2 BPSK	270	0	17.04			18.2	0.0	
100	QPSK	1	1	17.30					
100	QPSK	1	137	16.92			18.2	0.0	
100	QPSK	1	271	17.05					
100	QPSK	135	0	16.87			18.2	0.0	
100	QPSK	135	69	17.12			18.2	0.0	
100	QPSK	135	138	16.96			18.2	0.0	
100	QPSK	270	0	16.90			18.2	0.0	
100	16QAM	1	1	16.90			18.2	0.0	
100	64QAM	1	1	16.49			18.2	0.0	
100	256QAM	1	1	16.58			18.2	0.0	
Channel				63300	63354	63368	Tune-up limit	MPR	
Frequency (MHz)									
90	QPSK	1	1	16.80	16.83	16.60	18.2	0.0	
Channel				63068	63334	63400	Tune-up limit	MPR	
Frequency (MHz)									
80	QPSK	1	1	16.82	16.65	16.70	18.2	0.0	
Channel				63234	63334	63434	Tune-up limit	MPR	
Frequency (MHz)									
70	QPSK	1	1	16.79	16.54	16.67	18.2	0.0	
Channel				63000	63334	63468	Tune-up limit	MPR	
Frequency (MHz)									
60	QPSK	1	1	16.93	16.75	16.59	18.2	0.0	
Channel				3480	3500.01	3520.02	Tune-up limit	MPR	
Frequency (MHz)									
50	QPSK	1	1	16.92	16.79	16.76	18.2	0.0	
Channel				63134	63334	63534	Tune-up limit	MPR	
Frequency (MHz)									
40	QPSK	1	1	16.70	16.83	16.76	18.2	0.0	
Channel				63000	63334	63468	Tune-up limit	MPR	
Frequency (MHz)									
30	QPSK	1	1	16.83	16.67	16.80	18.2	0.0	
Channel				63068	63334	63500	Tune-up limit	MPR	
Frequency (MHz)									
20	QPSK	1	1	16.85	16.83	16.63	18.2	0.0	
Channel				63000	63334	63608	Tune-up limit	MPR	
Frequency (MHz)									
15	QPSK	1	1	16.89	16.80	16.79	18.2	0.0	
Channel				63034	63334	63634	Tune-up limit	MPR	
Frequency (MHz)									
10	QPSK	1	1	16.72	16.65	16.59	18.2	0.0	



Part27Q n78 PC2 DSI5_Simultaneous Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1		3500.01			
100	PI/2 BPSK	1	137		19.55			
100	PI/2 BPSK	1	271		19.72		21.2	0.0
100	PI/2 BPSK	135	0		19.83			
100	PI/2 BPSK	135	69		19.78		21.2	0.0
100	PI/2 BPSK	135	138		19.78		21.2	0.0
100	PI/2 BPSK	270	0		20.03			
100	PI/2 BPSK	270	0		19.71		21.2	0.0
100	QPSK	1	1		20.29			
100	QPSK	1	137		19.84			
100	QPSK	1	271		19.78		21.2	0.0
100	QPSK	135	0		19.58		21.2	0.0
100	QPSK	135	69		20.22		21.2	0.0
100	QPSK	135	138		19.83		21.2	0.0
100	QPSK	270	0		20.16			
100	16QAM	1	1		19.71		21.2	0.0
100	64QAM	1	1		19.70		21.2	0.0
100	256QAM	1	1		20.00		21.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	19.70	19.65	19.83	21.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3499.02	3500.01	3501		
80	QPSK	1	1	19.71	19.60	19.97	21.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.79	19.62	19.82	21.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	19.83	19.67	19.96	21.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	19.83	19.56	19.84	21.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
40	QPSK	1	1	19.79	19.73	19.91	21.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	19.86	19.75	19.83	21.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	19.83	19.74	19.93	21.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.79	19.74	19.78	21.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3462.01	3500.01	3543.01		
10	QPSK	1	1	19.66	19.63	19.93	21.2	0.0



n2 DSI5_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1660	1680	1600			
20	PI2 BPSK	1	1	21.10	21.11	21.17			
20	PI2 BPSK	1	53	21.03	20.98	20.79	22.2	0.0	
20	PI2 BPSK	1	104	20.90	20.99	20.83			
20	PI2 BPSK	50	0	20.83	20.98	20.95	22.2	0.0	
20	PI2 BPSK	50	28	20.93	21.14	20.95	22.2	0.0	
20	PI2 BPSK	50	56	20.93	20.91	20.94	22.2	0.0	
20	PI2 BPSK	100	0	20.90	21.10	20.92			
20	QPSK	1	1	21.17	21.22	21.06			
20	QPSK	1	53	20.77	21.09	20.89	22.2	0.0	
20	QPSK	1	104	20.79	20.80	20.93			
20	QPSK	50	0	21.00	21.04	20.79	22.2	0.0	
20	QPSK	50	28	21.07	21.20	20.89	22.2	0.0	
20	QPSK	50	56	20.99	21.05	20.91	22.2	0.0	
20	QPSK	100	0	20.77	21.07	20.90			
20	16QAM	1	1	20.82	21.05	20.83	22.2	0.0	
20	64QAM	1	1	20.97	20.96	20.98	22.2	0.0	
20	256QAM	1	1	19.94	20.12	20.08	21.0	1.2	
Channel									
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	21.08	21.13	21.04	22.2	0.0	
Channel									
Frequency (MHz)				3710.0	3760.0	3810.0			
10	QPSK	1	1	21.13	21.10	21.00	22.2	0.0	
Channel									
Frequency (MHz)				3705.0	3760.0	3815.0			
5	QPSK	1	1	21.12	21.08	21.00	22.2	0.0	

n7 DSI5_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2220	2235	2250			
40	PI2 BPSK	1	1	22.15	22.20	22.13			
40	PI2 BPSK	1	108	21.90	22.02	21.82	23.1	0.0	
40	PI2 BPSK	1	214	22.11	22.15	21.99			
40	PI2 BPSK	108	0	21.87	22.07	21.85	23.1	0.0	
40	PI2 BPSK	108	54	22.04	22.14	22.00	23.1	0.0	
40	PI2 BPSK	108	108	21.99	22.05	21.85	23.1	0.0	
40	PI2 BPSK	216	0	21.84	21.97	21.81			
40	QPSK	1	1	22.12	22.22	22.19			
40	QPSK	1	108	22.00	22.09	21.93	23.1	0.0	
40	QPSK	1	214	21.96	22.00	21.99			
40	QPSK	108	0	21.85	22.03	21.97	23.1	0.0	
40	QPSK	108	54	22.04	22.18	21.99	23.1	0.0	
40	QPSK	108	108	21.90	22.08	21.85	23.1	0.0	
40	QPSK	216	0	21.84	22.11	21.88			
40	16QAM	1	1	21.83	21.95	21.86	23.1	0.0	
40	64QAM	1	1	22.06	22.20	22.08	23.0	0.1	
40	256QAM	1	1	20.02	20.99	20.86	21.0	2.1	
Channel									
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.03	22.08	22.11	23.1	0.0	
Channel									
Frequency (MHz)				5025.0	5070.0	5115.0			
25	QPSK	1	1	21.99	22.08	22.10	23.1	0.0	
Channel									
Frequency (MHz)				5020.0	5070.0	5120.0			
20	PI2 BPSK	1	1	22.05	22.14	22.13	23.1	0.0	
Channel									
Frequency (MHz)				5015.0	5070.0	5125.0			
15	QPSK	1	1	22.04	22.08	22.12	23.1	0.0	
Channel									
Frequency (MHz)				5010.0	5070.0	5130.0			
10	QPSK	1	1	22.05	22.05	22.05	23.1	0.0	
Channel									
Frequency (MHz)				5005.0	5070.0	5135.0			
5	QPSK	1	1	22.05	22.08	22.12	23.1	0.0	

n25 DSI5_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1822.5	1895			
40	PI2 BPSK	1	1	21.18	21.21	21.20			
40	PI2 BPSK	1	108	21.08	21.06	20.86	22.2	0.0	
40	PI2 BPSK	1	214	20.98	21.03	20.86			
40	PI2 BPSK	108	0	20.89	21.05	21.04	22.2	0.0	
40	PI2 BPSK	108	54	20.96	21.22	21.03	22.2	0.0	
40	PI2 BPSK	108	108	21.02	20.97	21.02	22.2	0.0	
40	PI2 BPSK	216	0	21.00	21.18	21.02			
40	QPSK	1	1	21.24	21.26	21.10			
40	QPSK	1	108	20.86	21.14	20.99	22.2	0.0	
40	QPSK	1	214	20.93	20.97	21.00			
40	QPSK	108	0	21.07	21.11	20.88	22.2	0.0	
40	QPSK	108	54	21.15	21.22	20.93	22.2	0.0	
40	QPSK	108	108	20.90	21.11	21.01	22.2	0.0	
40	QPSK	216	0	20.93	21.10	20.97			
40	16QAM	1	1	20.90	21.07	20.89	22.2	0.0	
40	64QAM	1	1	21.04	20.99	21.06	22.2	0.0	
40	256QAM	1	1	20.22	20.38	20.46	21.0	1.2	
Channel									
Frequency (MHz)				1865	1822.5	1900			
30	QPSK	1	1	21.07	20.90	20.97	22.2	0.0	
Channel									
Frequency (MHz)				3725.0	3765.0	3805.0			
25	QPSK	1	1	21.06	20.93	20.92	22.2	0.0	
Channel									
Frequency (MHz)				3720.0	3765.0	3810.0			
20	QPSK	1	1	21.10	20.92	20.93	22.2	0.0	
Channel									
Frequency (MHz)				3715.0	3765.0	3815.0			
15	QPSK	1	1	21.05	20.96	20.96	22.2	0.0	
Channel									
Frequency (MHz)				1855	1822.5	1910			
10	QPSK	1	1	21.07	20.93	20.99	22.2	0.0	
Channel									
Frequency (MHz)				3720.0	3765.0	3820.0			
5	QPSK	1	1	21.06	20.87	20.93	22.2	0.0	



n30 DSI5_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	Pi/2 BPSK	1	1	22.21	22.10				
10	Pi/2 BPSK	1	26	22.18			23.7	0.0	
10	Pi/2 BPSK	1	50	22.08					
10	Pi/2 BPSK	25	0	22.05			23.7	0.0	
10	Pi/2 BPSK	25	14	22.23			23.7	0.0	
10	Pi/2 BPSK	25	27	22.16			23.7	0.0	
10	Pi/2 BPSK	50	0	22.12					
10	QPSK	1	1	22.25					
10	QPSK	1	26	22.16			23.7	0.0	
10	QPSK	1	50	22.11					
10	QPSK	25	0	22.17			23.7	0.0	
10	QPSK	25	14	22.19			23.7	0.0	
10	QPSK	25	27	22.11			23.7	0.0	
10	QPSK	50	0	22.06					
10	16QAM	1	1	21.89			23.7	0.0	
10	64QAM	1	1	21.86			23.0	0.7	
10	256QAM	1	1	20.31			21.0	2.7	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.93	23.03	23.19	23.7	0.0	

n66 DSI5_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pi/2 BPSK	1	1	22.00	22.00	21.88			
40	Pi/2 BPSK	1	108	21.77	21.82	21.72	23.4	0.0	
40	Pi/2 BPSK	1	214	21.88	21.76	21.82			
40	Pi/2 BPSK	108	0	21.69	21.71	21.62	23.4	0.0	
40	Pi/2 BPSK	108	54	21.73	21.81	21.68	23.4	0.0	
40	Pi/2 BPSK	108	108	21.67	21.77	21.77	23.4	0.0	
40	Pi/2 BPSK	216	0	21.66	21.77	21.68			
40	QPSK	1	1	22.03	22.11	21.96			
40	QPSK	1	108	21.88	21.89	21.87	23.4	0.0	
40	QPSK	1	214	21.88	21.97	21.91			
40	QPSK	108	0	21.65	21.72	21.67	23.4	0.0	
40	QPSK	108	54	22.03	22.06	21.87	23.4	0.0	
40	QPSK	108	108	21.75	21.82	21.88	23.4	0.0	
40	QPSK	216	0	21.80	21.91	21.84			
40	16QAM	1	1	21.73	21.78	21.66	23.4	0.0	
40	64QAM	1	1	21.86	22.09	21.98	23.0	0.4	
40	256QAM	1	1	20.32	20.62	20.48	21.0	2.4	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.92	22.00	21.94	23.4	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.91	22.01	21.95	23.4	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.81	21.98	21.96	23.4	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.91	21.95	21.92	23.4	0.0	

n70 DSI5_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	Pi/2 BPSK	1	1	22.53	22.53				
15	Pi/2 BPSK	1	40	22.51			23.5	0.0	
15	Pi/2 BPSK	1	77	22.48					
15	Pi/2 BPSK	36	0	22.40			23.5	0.0	
15	Pi/2 BPSK	36	22	22.49			23.5	0.0	
15	Pi/2 BPSK	36	43	22.35			23.5	0.0	
15	Pi/2 BPSK	75	0	22.40					
15	QPSK	1	1	22.57					
15	QPSK	1	40	22.50			23.5	0.0	
15	QPSK	1	77	22.41					
15	QPSK	36	0	22.37			23.5	0.0	
15	QPSK	36	22	22.51			23.5	0.0	
15	QPSK	36	43	22.41			23.5	0.0	
15	QPSK	75	0	22.44					
15	16QAM	1	1	21.91			21.5	0.5	
15	64QAM	1	1	20.71			21.5	2.0	
15	256QAM	1	1	18.15			18.5	4.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.41	22.49	22.41	23.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.36	22.51	22.44	23.5	0.0	



n38 DSI5_Simultaneous Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				516004	516000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	22.03	22.00	21.98		
40	PI2 BPSK	1	83	21.89	22.04	21.92	23.0	0.0
40	PI2 BPSK	1	104	21.78	21.94	21.88		
40	PI2 BPSK	80	0	21.92	22.05	21.95	23.0	0.0
40	PI2 BPSK	50	28	22.06	22.06	21.97	23.0	0.0
40	PI2 BPSK	50	56	21.90	22.00	21.90	23.0	0.0
40	PI2 BPSK	100	0	21.90	22.02	21.98		
40	QPSK	1	1	22.10	22.11	22.00		
40	QPSK	1	83	21.97	22.06	21.95	23.0	0.0
40	QPSK	1	104	21.89	21.95	21.95		
40	QPSK	50	0	21.87	21.92	21.89	23.0	0.0
40	QPSK	50	28	21.91	22.03	21.94	23.0	0.0
40	QPSK	50	56	21.81	21.95	21.84	23.0	0.0
40	QPSK	100	0	21.88	21.98	21.85	23.0	0.0
40	16QAM	1	1	21.69	21.82	21.73	23.0	0.0
40	64QAM	1	1	21.03	21.13	21.03	21.5	1.5
40	256QAM	1	1	18.45	18.45	18.37	18.5	3.5
Channel				517002	519000	520998		
Frequency (MHz)				2685.01	2695	2694.99		
30	QPSK	1	1	22.08	22.09	21.99	23.0	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2682.83	2695	2697.17		
25	QPSK	1	1	22.01	22.09	21.96	23.0	0.0
Channel				516000	516000	522000		
Frequency (MHz)				2590	2595	2600		
20	QPSK	1	1	22.04	22.05	21.81	23.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.01	22.08	21.94	23.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.07	22.10	21.97	23.0	0.0

n41 DSI5_Simultaneous Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	528600		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	21.64	21.70	21.68		
100	PI2 BPSK	1	137	21.62	21.67	21.62	23.0	0.0
100	PI2 BPSK	1	271	21.63	21.72	21.58		
100	PI2 BPSK	135	0	21.61	21.64	21.48	23.0	0.0
100	PI2 BPSK	135	69	21.60	21.74	21.70	23.0	0.0
100	PI2 BPSK	135	138	21.56	21.67	21.63	23.0	0.0
100	PI2 BPSK	270	0	21.56	21.71	21.68		
100	QPSK	1	1	21.67	21.94	21.62		
100	QPSK	1	137	21.71	21.73	21.68	23.0	0.0
100	QPSK	1	271	21.47	21.61	21.50		
100	QPSK	135	0	21.49	21.65	21.55	23.0	0.0
100	QPSK	135	69	21.91	21.69	21.60	23.0	0.0
100	QPSK	135	138	21.44	21.60	21.55	23.0	0.0
100	QPSK	270	0	21.61	21.65	21.60		
100	16QAM	1	1	21.45	21.58	21.49	23.0	0.0
100	64QAM	1	1	20.67	20.81	20.65	21.5	1.5
100	256QAM	1	1	18.71	18.73	18.55	18.5	3.5
Channel				505000	518598	529598		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.63	21.64	21.53	23.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	21.51	21.65	21.49	23.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2631.01	2692.99	2665		
70	QPSK	1	1	21.61	21.63	21.47	23.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2626	2692.99	2669.98		
60	QPSK	1	1	21.50	21.62	21.56	23.0	0.0
Channel				504204	518598	532996		
Frequency (MHz)				2621.02	2692.99	2664.99		
50	QPSK	1	1	21.60	21.70	21.59	23.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2616.01	2692.99	2660		
40	QPSK	1	1	21.52	21.71	21.60	23.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2692.99	2674.98		
30	QPSK	1	1	21.55	21.70	21.61	23.0	0.0
Channel				501204	518598	535996		
Frequency (MHz)				2506.02	2692.99	2678.99		
20	QPSK	1	1	21.83	21.68	21.52	23.0	0.0



n41 PC2 DSI5_Simultaneous Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2544.01	2592.99	2640		
100	PI2 BPSK	1	1	24.54	24.69	24.56		
100	PI2 BPSK	1	137	24.57	24.72	24.64	26.0	0.0
100	PI2 BPSK	1	271	24.53	24.69	24.65		
100	PI2 BPSK	135	0	24.76	24.79	24.70	26.0	0.0
100	PI2 BPSK	135	69	24.57	24.72	24.66	26.0	0.0
100	PI2 BPSK	135	138	24.64	24.67	24.50	26.0	0.0
100	PI2 BPSK	270	0	24.59	24.71	24.58		
100	QPSK	1	1	24.67	24.63	24.72		
100	QPSK	1	137	24.67	24.61	24.57	26.0	0.0
100	QPSK	1	271	24.64	24.69	24.66		
100	QPSK	135	0	24.50	24.56	24.53	26.0	0.0
100	QPSK	135	69	24.71	24.74	24.63	26.0	0.0
100	QPSK	135	138	24.60	24.72	24.55	26.0	0.0
100	QPSK	270	0	24.57	24.69	24.59		
100	16QAM	1	1	24.45	24.55	24.45	26.0	0.0
100	64QAM	1	1	24.35	24.41	24.26	25.0	1.0
100	256QAM	1	1	22.31	22.95	22.32	23.0	3.0
Channel				510200	519596	529200		
Frequency (MHz)				2544	2592.99	2644.98		
90	QPSK	1	1	24.52	24.70	24.56	26.0	0.0
Channel				507204	516598	526998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	24.58	24.71	24.56	26.0	0.0
Channel				506202	515598	526000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.64	24.74	24.65	26.0	0.0
Channel				505200	514598	525998		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.54	24.67	24.59	26.0	0.0
Channel				504204	513598	524200		
Frequency (MHz)				2521.02	2592.99	2654.99		
50	QPSK	1	1	24.60	24.69	24.57	26.0	0.0
Channel				503202	512598	523000		
Frequency (MHz)				2516.01	2592.99	2649		
40	QPSK	1	1	24.60	24.73	24.58	26.0	0.0
Channel				502200	511598	522000		
Frequency (MHz)				2511	2592.99	2647.98		
30	QPSK	1	1	24.47	24.67	24.50	26.0	0.0
Channel				501204	510598	521000		
Frequency (MHz)				2506.02	2592.99	2647.98		
20	QPSK	1	1	24.59	24.69	24.62	26.0	0.0

n48 Part96 DSI5_Simultaneous Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3370	3624.99	3679.98		
40	PI2 BPSK	1	1	14.59	14.63	14.53		
40	PI2 BPSK	1	53	14.51	14.58	14.53	16.0	0.0
40	PI2 BPSK	1	104	14.44	14.54	14.49		
40	PI2 BPSK	50	0	14.39	14.53	14.55	16.0	0.0
40	PI2 BPSK	50	26	14.38	14.51	14.41	16.0	0.0
40	PI2 BPSK	50	55	14.49	14.56	14.45		
40	PI2 BPSK	100	0	14.37	14.55	14.48	16.0	0.0
40	QPSK	1	1	14.52	14.69	14.54		
40	QPSK	1	53	14.46	14.61	14.49	16.0	0.0
40	QPSK	1	104	14.57	14.63	14.49		
40	QPSK	50	0	14.40	14.55	14.49	16.0	0.0
40	QPSK	50	26	14.51	14.66	14.60	16.0	0.0
40	QPSK	50	56	14.38	14.52	14.37	16.0	0.0
40	QPSK	100	0	14.41	14.59	14.48		
40	16QAM	1	1	14.35	14.50	14.39	16.0	0.0
40	64QAM	1	1	14.37	14.53	14.49	16.0	0.0
40	256QAM	1	1	14.41	14.53	14.38	16.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3665.02	3624.99	3684.99		
30	QPSK	1	1	14.41	14.55	14.45	16.0	0.0
Channel				637304	641666	646000		
Frequency (MHz)				3662.01	3624.99	3680		
20	QPSK	1	1	14.44	14.56	14.45	16.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	14.44	14.55	14.40	16.0	0.0



Part270 n77 DSI5_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	15.78	15.59	15.66		
100	PI2 BPSK	1	137	15.74	15.76	15.75	16.7	0.0
100	PI2 BPSK	1	271	15.76	15.80	15.82		
100	PI2 BPSK	135	0	15.59	15.53	15.61	16.7	0.0
100	PI2 BPSK	135	69	15.56	15.73	15.69	16.7	0.0
100	PI2 BPSK	135	138	15.64	15.65	15.55	16.7	0.0
100	PI2 BPSK	270	0	15.74	15.78	15.68	16.7	0.0
100	QPSK	1	1	15.53	15.85	15.71		
100	QPSK	1	137	15.45	15.70	15.81	16.7	0.0
100	QPSK	1	271	15.58	15.56	15.45		
100	QPSK	135	0	15.61	15.73	15.47	16.7	0.0
100	QPSK	135	69	15.69	15.74	15.66	16.7	0.0
100	QPSK	135	138	15.56	15.57	15.62	16.7	0.0
100	QPSK	270	0	15.66	15.67	15.66	16.7	0.0
100	16QAM	1	1	15.60	15.79	15.63	16.7	0.0
100	64QAM	1	1	15.52	15.55	15.65	16.7	0.0
100	256QAM	1	1	15.39	15.55	15.41	15.7	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.29	15.49	15.46	16.7	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	15.47	15.61	15.48	16.7	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	15.39	15.57	15.37	16.7	0.0
Channel								
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.40	15.63	15.57	16.7	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.37	15.57	15.51	16.7	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
40	QPSK	1	1	15.31	15.53	15.41	16.7	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
30	QPSK	1	1	15.42	15.65	15.40	15.7	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.41	15.64	15.58	16.7	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
15	QPSK	1	1	15.37	15.66	15.47	16.7	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.44	15.61	15.55	15.7	0.0

Part270 n77 PC2 DSI5_Simultaneous Ant3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	19.00	18.96	18.56		
100	PI2 BPSK	1	137	18.79	18.90	18.75	19.7	0.0
100	PI2 BPSK	1	271	18.87	19.03	18.93		
100	PI2 BPSK	135	0	18.89	19.05	18.85	19.7	0.0
100	PI2 BPSK	135	69	18.75	18.93	18.90	19.7	0.0
100	PI2 BPSK	135	138	19.02	19.00	18.98	19.7	0.0
100	PI2 BPSK	270	0	19.00	19.10	18.72	19.7	0.0
100	QPSK	1	1	19.03	19.11	19.01		
100	QPSK	1	137	18.92	18.94	18.85	19.7	0.0
100	QPSK	1	271	18.94	18.97	18.95		
100	QPSK	135	0	18.88	18.87	18.82	19.7	0.0
100	QPSK	135	69	18.93	18.99	18.91	19.7	0.0
100	QPSK	135	138	18.95	18.95	18.85	19.7	0.0
100	QPSK	270	0	18.98	19.07	18.94	19.7	0.0
100	16QAM	1	1	18.89	18.91	18.85	19.7	0.0
100	64QAM	1	1	18.71	18.90	18.74	19.7	0.0
100	256QAM	1	1	18.54	18.68	18.74	15.7	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.89	18.80	18.73	19.7	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	18.92	18.96	18.91	19.7	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	18.86	18.97	18.51	19.7	0.0
Channel								
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.77	18.88	18.67	19.7	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.73	18.77	18.55	19.7	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
40	QPSK	1	1	18.75	18.92	18.70	19.7	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
30	QPSK	1	1	18.85	18.85	18.53	19.7	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.84	18.77	18.64	19.7	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
15	QPSK	1	1	18.85	18.74	18.53	19.7	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.78	18.93	18.63	19.7	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		15.52			
100	PI2 BPSK	1	137		15.82		16.7	0.0
100	PI2 BPSK	1	271		15.85			
100	PI2 BPSK	135	0		15.73		16.7	0.0
100	PI2 BPSK	135	69		15.91		16.7	0.0
100	PI2 BPSK	135	138		15.79		16.7	0.0
100	PI2 BPSK	270	0		15.70		16.7	0.0
100	QPSK	1	1		15.97			
100	QPSK	1	137		15.62		16.7	0.0
100	QPSK	1	271		15.76			
100	QPSK	135	0		15.87		16.7	0.0
100	QPSK	135	69		15.96		16.7	0.0
100	QPSK	135	138		15.84		16.7	0.0
100	QPSK	270	0		15.93		16.7	0.0
100	16QAM	1	1		15.88		16.7	0.0
100	64QAM	1	1		15.59		16.7	0.0
100	256QAM	1	1		14.76		16.7	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel				3495	3500.01	3505.02		
90	QPSK	1	1	15.09	15.48	15.59	16.7	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Channel				3495.02	3500.01	3505		
80	QPSK	1	1	15.70	15.51	15.60	16.7	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Channel				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.55	15.58	15.54	16.7	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel				3480	3500.01	3520.02		
60	QPSK	1	1	15.51	15.41	15.59	16.7	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel				3475.02	3500.01	3525		
50	QPSK	1	1	15.62	15.47	15.61	16.7	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.91	15.61	15.64	16.7	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Channel				3465	3500.01	3535.02		
30	QPSK	1	1	15.49	15.47	15.55	16.7	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Channel				3460.02	3500.01	3540		
20	QPSK	1	1	15.63	15.38	15.60	16.7	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel				3455.05	3500.01	3545.01		
15	QPSK	1	1	15.47	15.40	15.46	16.7	0.0
Channel								
Frequency (MHz)				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Channel				3450.01	3500.01	3550.01		
10	QPSK	1	1	15.51	15.41	15.47	16.7	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	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		18.82			
100	PI2 BPSK	1	271		18.88			
100	PI2 BPSK	135	0		18.82		19.7	0.0
100	PI2 BPSK	135	69		18.93		19.7	0.0
100	PI2 BPSK	135	138		18.83		19.7	0.0
100	PI2 BPSK	270	0		18.95			
100	QPSK	1	1		19.02			
100	QPSK	1	197		18.74			
100	QPSK	1	271		18.76			
100	QPSK	135	0		18.78		19.7	0.0
100	QPSK	135	69		18.87		19.7	0.0
100	QPSK	135	138		18.79		19.7	0.0
100	QPSK	270	0		18.95			
100	16QAM	1	1		18.77		19.7	0.0
100	64QAM	1	1		18.84		19.7	0.0
100	256QAM	1	1		18.94		19.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				18.66	18.51	18.68	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3503.03	3508		
				18.55	18.51	18.54	19.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				18.71	18.40	18.71	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				18.64	18.39	18.68	19.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				18.59	18.52	18.60	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.03	3500.01	3530.03		
				18.60	18.37	18.59	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
				18.74	18.36	18.57	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				18.77	18.43	18.73	19.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
				18.73	18.59	18.62	19.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3455.01	3500.01	3545.01		
				18.54	18.47	18.63	19.7	0.0



Part270 n78 DSI5_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3750	3750	3750			
100	PI2 BPSK	1	1	15.27					
100	PI2 BPSK	1	137	15.27			16.7	0.0	
100	PI2 BPSK	1	271	15.31					
100	PI2 BPSK	135	0	15.44			16.7	0.0	
100	PI2 BPSK	135	69	15.10			16.7	0.0	
100	PI2 BPSK	135	138	15.27			16.7	0.0	
100	PI2 BPSK	270	0	15.28			16.7	0.0	
100	QPSK	1	1	15.47					
100	QPSK	1	137	15.45			16.7	0.0	
100	QPSK	1	271	15.26					
100	QPSK	135	0	15.34			16.7	0.0	
100	QPSK	135	69	15.35			16.7	0.0	
100	QPSK	135	138	15.06			16.7	0.0	
100	QPSK	270	0	15.34			16.7	0.0	
100	16QAM	1	1	15.35			16.7	0.0	
100	64QAM	1	1	15.34			16.7	0.0	
100	256QAM	1	1	15.31			15.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	64988	65000	65034	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.97	15.37	14.87	16.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.15	15.43	14.84	16.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	3735	3750	3765	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.08	15.39	14.90	16.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.16	15.40	14.86	16.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.07	15.35	14.85	16.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	64800	65000	65000	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3720	3750	3780	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.97	15.38	14.83	16.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3715.02	3750	3785.01	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.06	15.29	15.04	16.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	64734	65000	65266	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3710.01	3750	3790.02	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.03	15.43	14.85	16.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3705	3750	3795	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.02	15.38	14.85	16.7	0.0	

Part270 n78 PC2 DSI5_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3750	3750	3750			
100	PI2 BPSK	1	1	15.27					
100	PI2 BPSK	1	137	15.27			16.7	0.0	
100	PI2 BPSK	1	271	15.31					
100	PI2 BPSK	135	0	15.44			16.7	0.0	
100	PI2 BPSK	135	69	15.33			16.7	0.0	
100	PI2 BPSK	135	138	15.43			16.7	0.0	
100	PI2 BPSK	270	0	15.42			16.7	0.0	
100	QPSK	1	1	15.62					
100	QPSK	1	137	15.56			16.7	0.0	
100	QPSK	1	271	15.41					
100	QPSK	135	0	15.50			16.7	0.0	
100	QPSK	135	69	15.47			16.7	0.0	
100	QPSK	135	138	15.33			16.7	0.0	
100	QPSK	270	0	15.44			16.7	0.0	
100	16QAM	1	1	15.30			16.7	0.0	
100	64QAM	1	1	15.24			16.7	0.0	
100	256QAM	1	1	15.21			15.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	64988	65000	65034	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.08	15.28	15.11	16.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.16	15.40	15.11	16.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	3735	3750	3765	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.07	15.37	15.09	16.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.15	15.40	15.29	16.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.07	15.27	15.13	16.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	64800	65000	65000	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3720	3750	3780	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.97	15.34	15.18	16.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3715.02	3750	3785.01	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.06	15.29	15.04	16.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	64734	65000	65266	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3710.01	3750	3790.02	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.05	15.28	15.27	16.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3705	3750	3795	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.04	15.37	15.23	16.7	0.0	

Part270 n78 DSI5_Simultaneous Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3500.01					
100	PI2 BPSK	1	1	15.63					
100	PI2 BPSK	1	137	15.72			16.7	0.0	
100	PI2 BPSK	1	271	15.63					
100	PI2 BPSK	135	0	15.46			16.7	0.0	
100	PI2 BPSK	135	69	15.59			16.7	0.0	
100	PI2 BPSK	135	138	15.59			16.7	0.0	
100	PI2 BPSK	270	0	15.58			16.7	0.0	
100	QPSK	1	1	15.74					
100	QPSK	1	137	15.53			16.7	0.0	
100	QPSK	1	271	15.55					
100	QPSK	135	0	15.60			16.7	0.0	
100	QPSK	135	69	15.70			16.7	0.0	
100	QPSK	135	138	15.66			16.7	0.0	
100	QPSK	270	0	15.65			16.7	0.0	
100	16QAM	1	1	15.43			16.7	0.0	
100	64QAM	1	1	15.63			16.7	0.0	
100	256QAM	1	1	15.43			14.8	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63354	63368	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
90	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.35	15.39	15.36	16.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.55	15.24	15.28	16.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	3485.01	3500.01	3515.01	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.32	15.49	15.45	16.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.40	15.31	15.41	16.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63166	63254	63300	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.45	15.34	15.36	16.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63000	6333				



Part27Q n78 DSI5_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01	3549.99	3600			
100	Pl2 BPSK	1	1	15.63	15.69	15.59	16.7	0.0	
100	Pl2 BPSK	1	137	15.72	15.73	15.52	16.7	0.0	
100	Pl2 BPSK	1	271	15.83	15.85	15.61	16.7	0.0	
100	Pl2 BPSK	135	0	15.46	15.48	15.38	16.7	0.0	
100	Pl2 BPSK	135	69	15.59	15.64	15.41	16.7	0.0	
100	Pl2 BPSK	135	138	15.59	15.59	15.56	16.7	0.0	
100	Pl2 BPSK	270	0	15.58	15.69	15.50	16.7	0.0	
100	QPSK	1	1	15.74	15.71	15.62	16.7	0.0	
100	QPSK	1	137	15.53	15.47	15.46	16.7	0.0	
100	QPSK	1	271	15.55	15.47	15.46	16.7	0.0	
100	QPSK	135	0	15.60	15.55	15.58	16.7	0.0	
100	QPSK	135	69	15.70	15.68	15.50	16.7	0.0	
100	QPSK	135	138	15.66	15.66	15.62	16.7	0.0	
100	QPSK	270	0	15.65	15.54	15.47	16.7	0.0	
100	16QAM	1	1	15.43	15.37	15.43	16.7	0.0	
100	16QAM	1	1	15.63	15.67	15.45	16.7	0.0	
100	256QAM	1	1	14.33	14.81	14.76	16.7	0.0	
Channel									
Frequency (MHz)				63000	63666	64332	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	15.35	15.03	15.43	16.7	0.0	
Channel									
Frequency (MHz)				63068	63666	64066	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	15.55	15.53	15.50	16.7	0.0	
Channel									
Frequency (MHz)				63234	63666	64100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	15.52	15.52	15.44	16.7	0.0	
Channel									
Frequency (MHz)				63200	63666	64132	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	15.40	15.62	15.46	16.7	0.0	
Channel									
Frequency (MHz)				3480	3549.99	3619.98	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	15.40	15.62	15.46	16.7	0.0	
Channel									
Frequency (MHz)				3475.02	3549.99	3624.99	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	15.45	15.51	15.52	16.7	0.0	
Channel									
Frequency (MHz)				63134	63666	64000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	15.24	15.66	15.58	16.7	0.0	
Channel									
Frequency (MHz)				63068	63666	64066	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	15.47	15.49	15.52	16.7	0.0	
Channel									
Frequency (MHz)				3460.02	3549.99	3639.99	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	15.37	15.58	15.59	16.7	0.0	
Channel									
Frequency (MHz)				63034	63666	64300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	15.37	15.45	15.55	16.7	0.0	

Part27Q n78 PC2 DSI5_Simultaneous Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01	3549.99	3600			
100	Pl2 BPSK	1	1	18.07	18.07	18.07	19.7	0.0	
100	Pl2 BPSK	1	137	18.06	18.06	18.06	19.7	0.0	
100	Pl2 BPSK	1	271	18.09	18.09	18.09	19.7	0.0	
100	Pl2 BPSK	135	0	18.70	18.70	18.70	19.7	0.0	
100	Pl2 BPSK	135	69	18.68	18.68	18.68	19.7	0.0	
100	Pl2 BPSK	135	138	18.65	18.65	18.65	19.7	0.0	
100	Pl2 BPSK	270	0	18.62	18.62	18.62	19.7	0.0	
100	QPSK	1	1	18.81	18.81	18.81	19.7	0.0	
100	QPSK	1	137	18.65	18.65	18.65	19.7	0.0	
100	QPSK	1	271	18.62	18.62	18.62	19.7	0.0	
100	QPSK	135	0	18.70	18.70	18.70	19.7	0.0	
100	QPSK	135	69	18.72	18.72	18.72	19.7	0.0	
100	QPSK	135	138	18.63	18.63	18.63	19.7	0.0	
100	QPSK	270	0	18.70	18.70	18.70	19.7	0.0	
100	16QAM	1	1	18.73	18.73	18.73	19.7	0.0	
100	16QAM	1	1	18.83	18.83	18.83	19.7	0.0	
100	256QAM	1	1	18.56	18.56	18.56	19.7	0.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	18.34	18.22	18.34	19.7	0.0	
Channel									
Frequency (MHz)				63068	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	18.32	18.36	18.36	19.7	0.0	
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	18.53	18.22	18.44	19.7	0.0	
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	18.49	18.35	18.32	19.7	0.0	
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	18.33	18.31	18.48	19.7	0.0	
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	18.54	18.24	18.37	19.7	0.0	
Channel									
Frequency (MHz)				63100	63334	63668	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.58	18.25	18.29	19.7	0.0	
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.34	18.24	18.48	19.7	0.0	
Channel									
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.38	18.25	18.35	19.7	0.0	
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.50	18.27	18.58	19.7	0.0	



Reduced Power Mode for DSI6-Standalone

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									
Frequency (MHz)									
20	PI2 BPSK	1	1	22.93	23.07	22.99	24.0	0.0	
20	PI2 BPSK	1	53	22.79	22.98	22.82			
20	PI2 BPSK	1	104	22.85	22.92	22.90			
20	PI2 BPSK	50	0	22.79	22.95	22.91	24.0	0.0	
20	PI2 BPSK	50	28	22.94	22.96	23.02	24.0	0.0	
20	PI2 BPSK	50	56	22.90	22.92	22.82	24.0	0.0	
20	PI2 BPSK	100	0	22.81	22.90	22.89			
20	QPSK	1	1	22.98	23.14	23.07			
20	QPSK	1	53	22.98	23.09	23.00	24.0	0.0	
20	QPSK	1	104	22.87	22.95	22.87			
20	QPSK	50	0	22.92	22.93	22.84			
20	QPSK	50	28	22.93	23.06	22.87	24.0	0.0	
20	QPSK	50	56	22.93	22.99	22.84	24.0	0.0	
20	QPSK	100	0	22.93	23.00	22.87	24.0	0.0	
20	16QAM	1	1	22.74	22.86	22.71			
20	64QAM	1	1	21.76	21.88	21.83			
20	256QAM	1	1	20.21	20.32	20.24	21.0	3.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	1852.5	1860	1852.5	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3710.0	3760.0	3810.0	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	1852.5	1860	1852.5	Tune-up limit (dBm)	MPR (dB)	

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									
Frequency (MHz)									
20	PI2 BPSK	1	1	23.09	23.19	23.14	24.0	0.0	
20	PI2 BPSK	1	53	22.87	23.04	22.84			
20	PI2 BPSK	1	104	22.84	22.96	22.92			
20	PI2 BPSK	50	0	23.00	23.08	22.98	24.0	0.0	
20	PI2 BPSK	50	28	23.09	23.14	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.83	22.96	22.82	24.0	0.0	
20	PI2 BPSK	100	0	22.94	23.00	22.92			
20	QPSK	1	1	23.13	23.22	23.16			
20	QPSK	1	53	23.09	23.19	23.11	24.0	0.0	
20	QPSK	1	104	23.02	23.06	22.91			
20	QPSK	50	0	22.91	22.96	22.89			
20	QPSK	50	28	23.09	23.18	23.12	24.0	0.0	
20	QPSK	50	56	22.97	23.02	22.87	24.0	0.0	
20	QPSK	100	0	23.01	23.14	23.07	24.0	0.0	
20	16QAM	1	1	23.02	23.08	22.95			
20	64QAM	1	1	22.57	22.71	22.58			
20	256QAM	1	1	21.90	22.04	21.94	23.0	1.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	1683.0	1673.0	1683.0	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3291.5	3283.5	3291.5	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	1683.0	1673.0	1683.0	Tune-up limit (dBm)	MPR (dB)	

n7 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									
Frequency (MHz)									
40	PI2 BPSK	1	1	21.84	21.90	21.78	23.0	0.0	
40	PI2 BPSK	1	108	21.76	21.87	21.83			
40	PI2 BPSK	1	214	21.81	21.88	21.74			
40	PI2 BPSK	108	0	21.68	21.76	21.69	23.0	0.0	
40	PI2 BPSK	108	54	21.84	21.91	21.87	23.0	0.0	
40	PI2 BPSK	108	108	21.69	21.75	21.72	23.0	0.0	
40	PI2 BPSK	216	0	21.81	21.83	21.74			
40	QPSK	1	1	21.95	21.98	21.83			
40	QPSK	1	108	21.83	21.96	21.81	23.0	0.0	
40	QPSK	1	214	21.89	21.97	21.90			
40	QPSK	108	0	21.74	21.86	21.78			
40	QPSK	108	54	21.78	21.95	21.83	23.0	0.0	
40	QPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	QPSK	216	0	21.80	21.92	21.77	23.0	0.0	
40	16QAM	1	1	21.80	21.84	21.74			
40	64QAM	1	1	21.05	21.14	21.09			
40	256QAM	1	1	19.15	19.22	19.08	20.0	3.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2515	2535	2555	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	5025.0	5070.0	5110.0	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	21.84	21.86	21.68	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.81	21.84	21.74	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	5010.0	5070.0	5130.0	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.87	21.88	21.60	23.0	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									
Frequency (MHz)									
15	PI2 BPSK	1	1	23.05	23.11	22.97			
15	PI2 BPSK	1	40	22.84	22.82	22.80	24.0	0.0	
15	PI2 BPSK	1	77	22.75	22.80	22.74			
15	PI2 BPSK	36	0	22.96	23.01	22.96	24.0	0.0	
15	PI2 BPSK	36	22	23.01	23.06	22.94	24.0	0.0	
15	PI2 BPSK	36	43	22.90	22.96	22.88			
15	PI2 BPSK	75	0	22.90	23.02	22.96	24.0	0.0	
15	QPSK	1	1	23.13	23.19	23.12			
15	QPSK	1	40	23.07	23.12	23.08	24.0	0.0	
15	QPSK	1	77	22.87	22.95	22.90			
15	QPSK	36	0	22.92	23.01	22.99	24.0	0.0	
15	QPSK	36	22	22.97	23.06	22.97	24.0	0.0	
15	QPSK	36	43	22.84	22.99	22.89			
15	QPSK	75	0	22.89	23.01	22.90			
15	16QAM	1	1	23.07	23.11	23.07	24.0	0.0	
15	16QAM	1	1	22.01	22.11	22.03	23.0	1.0	
15	256QAM	1	1	20.14	20.28	20.17	21.0	3.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.03	23.14	23.06	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.99	23.08	23.04	24.0	0.0	

n13 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									
Frequency (MHz)									
10	PI2 BPSK	1	1		23.18				
10	PI2 BPSK	1	26		23.13		24.0	0.0	
10	PI2 BPSK	1	50		23.05				
10	PI2 BPSK	25	0		22.97		23.5	0.5	
10	PI2 BPSK	25	14		23.15		24.0	0.0	
10	PI2 BPSK	25	27		23.01				
10	PI2 BPSK	50	0		23.11		23.5	0.5	
10	QPSK	1	1		23.29				
10	QPSK	1	26		23.19		24.0	0.0	
10	QPSK	1	50		23.13				
10	QPSK	25	0		22.46		23.0	1.0	
10	QPSK	25	14		23.19		24.0	0.0	
10	QPSK	25	27		22.97				
10	QPSK	50	0		22.58		23.0	1.0	
10	16QAM	1	1		21.67		21.0	1.0	
10	16QAM	1	1		20.78		21.5	2.5	
10	256QAM	1	1		19.36		19.5	4.5	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.20	23.26	23.22	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									
Frequency (MHz)									
10	PI2 BPSK	1	1		23.37				
10	PI2 BPSK	1	26		23.28		24.0	0.0	
10	PI2 BPSK	1	50		23.33				
10	PI2 BPSK	25	0		23.28		24.0	0.0	
10	PI2 BPSK	25	14		23.35		24.0	0.0	
10	PI2 BPSK	25	27		23.28				
10	PI2 BPSK	50	0		23.31		24.0	0.0	
10	QPSK	1	1		23.43				
10	QPSK	1	26		23.31		24.0	0.0	
10	QPSK	1	50		23.36				
10	QPSK	25	0		23.31		24.0	0.0	
10	QPSK	25	14		23.35		24.0	0.0	
10	QPSK	25	27		23.26				
10	QPSK	50	0		23.33		24.0	0.0	
10	16QAM	1	1		23.22		24.0	0.0	
10	16QAM	1	1		22.17		23.0	1.0	
10	256QAM	1	1		20.40		21.0	3.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.32	23.40	23.30	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				374200	376900	379600			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	23.00	23.13	23.12			
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0	
40	PI2 BPSK	1	214	22.98	23.08	23.02			
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0	
40	PI2 BPSK	108	84	23.04	23.11	23.14	24.0	0.0	
40	PI2 BPSK	108	108	22.96	23.07	22.93			
40	PI2 BPSK	216	0	22.98	22.98	23.05	24.0	0.0	
40	QPSK	1	1	23.08	23.25	23.21			
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0	
40	QPSK	1	214	23.02	23.06	23.00			
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0	
40	QPSK	108	84	23.02	23.16	22.97	24.0	0.0	
40	QPSK	108	108	22.98	23.08	22.83	24.0	0.0	
40	QPSK	216	0	23.04	23.12	23.04			
40	16QAM	1	1	23.08	23.21	23.18	24.0	0.0	
40	16QAM	1	1	22.05	22.13	22.08	23.0	1.0	
40	256QAM	1	1	20.89	20.74	20.63	21.0	3.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	22.92	23.11	23.06	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	22.89	23.19	23.08	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1858	1882.5	1910			
15	QPSK	1	1	22.93	23.20	23.06	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1856	1882.5	1912			
10	QPSK	1	1	22.95	23.21	23.17	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	22.90	23.17	23.14	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				164800	166300	167800			
Frequency (MHz)				854	831.5	839			
20	PI2 BPSK	1	1	23.38	23.40	23.33			
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.11	23.05			
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0	
20	PI2 BPSK	50	28	23.25	23.31	23.18	24.0	0.0	
20	PI2 BPSK	50	56	23.02	23.15	23.08			
20	PI2 BPSK	100	0	23.17	23.28	23.22	24.0	0.0	
20	QPSK	1	1	23.43	23.49	23.38			
20	QPSK	1	53	23.29	23.40	23.32	24.0	0.0	
20	QPSK	1	104	23.27	23.34	23.22			
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0	
20	QPSK	50	28	23.39	23.43	23.32	24.0	0.0	
20	QPSK	50	56	23.20	23.31	23.28			
20	QPSK	100	0	23.31	23.38	23.26	24.0	0.0	
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0	
20	16QAM	1	1	22.31	22.43	22.30	23.0	1.0	
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	23.33	23.30	23.33	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	23.31	23.29	23.25	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0	



n30 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									
Frequency (MHz)									
2310									
10	PI2 BPSK	1	1	22.91			24.0	0.0	
10	PI2 BPSK	1	26	22.89					
10	PI2 BPSK	1	50	22.82					
10	PI2 BPSK	25	0	22.91			24.0	0.0	
10	PI2 BPSK	25	14	22.92			24.0	0.0	
10	PI2 BPSK	25	27	22.87			24.0	0.0	
10	PI2 BPSK	50	0	22.81					
10	QPSK	1	1	23.03					
10	QPSK	1	26	22.91			24.0	0.0	
10	QPSK	1	50	22.90					
10	QPSK	25	0	22.80			24.0	0.0	
10	QPSK	25	14	22.93			24.0	0.0	
10	QPSK	25	27	22.89			24.0	0.0	
10	QPSK	50	0	22.90					
10	16QAM	1	1	22.86			24.0	0.0	
10	16QAM	1	1	22.17			23.0	1.0	
10	256QAM	1	1	20.17			21.0	3.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2287.5	2310	2332.5	24.0	0.0	
5	QPSK	1	1	22.53	22.90	22.91	24.0	0.0	

n66 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									
Frequency (MHz)									
1730 1745 1760									
40	PI2 BPSK	1	1	23.18	23.29	23.32	24.0	0.0	
40	PI2 BPSK	1	108	23.07	23.36	23.14			
40	PI2 BPSK	1	214	23.29	23.14	23.27			
40	PI2 BPSK	108	0	23.17	23.27	23.23	24.0	0.0	
40	PI2 BPSK	108	54	23.22	23.36	23.40	24.0	0.0	
40	PI2 BPSK	108	108	23.18	23.33	23.13	24.0	0.0	
40	PI2 BPSK	216	0	23.04	23.22	23.21			
40	QPSK	1	1	23.28	23.45	23.40			
40	QPSK	1	108	23.37	23.34	23.27	24.0	0.0	
40	QPSK	1	214	23.28	23.28	23.25			
40	QPSK	108	0	23.16	23.18	23.13	24.0	0.0	
40	QPSK	108	54	23.22	23.39	23.24	24.0	0.0	
40	QPSK	108	108	23.15	23.29	23.16	24.0	0.0	
40	QPSK	216	0	23.21	23.35	23.22			
40	16QAM	1	1	22.70	22.48	22.63	24.0	0.0	
40	16QAM	1	1	21.92	21.37	21.54	23.0	1.0	
40	256QAM	1	1	20.38	20.24	20.44	21.0	3.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	24.0	0.0	
30	QPSK	1	1	23.16	23.39	23.35	24.0	0.0	
Channel									
Frequency (MHz)									
1720 1735 1750									
20	QPSK	1	1	23.13	23.41	23.36	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0	
15	QPSK	1	1	23.22	23.37	23.33	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24.0	0.0	
10	QPSK	1	1	23.22	23.34	23.28	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0	
5	QPSK	1	1	23.14	23.38	23.30	24.0	0.0	

n70 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									
Frequency (MHz)									
1702.5									
15	PI2 BPSK	1	1		20.88		22.0	0.0	
15	PI2 BPSK	1	40		20.92				
15	PI2 BPSK	1	77		20.96				
15	PI2 BPSK	36	0		20.74		22.0	0.0	
15	PI2 BPSK	36	22		20.83		22.0	0.0	
15	PI2 BPSK	36	43		20.77		22.0	0.0	
15	PI2 BPSK	75	0		20.81				
15	QPSK	1	1		21.00				
15	QPSK	1	40		20.98		22.0	0.0	
15	QPSK	1	77		20.84				
15	QPSK	36	0		20.79		21.0	1.0	
15	QPSK	36	22		20.92		22.0	0.0	
15	QPSK	36	43		20.87		21.0	1.0	
15	QPSK	75	0		20.78		21.0	1.0	
15	16QAM	1	1		19.65		21.0	1.0	
15	16QAM	1	1		18.01		19.5	2.5	
15	256QAM	1	1		16.67		17.5	4.5	
Channel				349000	349500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	22.0	0.0	
10	QPSK	1	1	20.95	20.91	20.88	22.0	0.0	
Channel									
Frequency (MHz)									
1697.5 1702.5 1707.5									
5	QPSK	1	1	20.89	20.96	20.89	22.0	0.0	



n71 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				134000	134100	134200		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	23.27	23.32	23.24	24.0	0.0
20	PI2 BPSK	1	53	23.19	23.28	23.17		
20	PI2 BPSK	1	104	23.09	23.22	23.19		
20	PI2 BPSK	50	0	23.16	23.26	23.18	24.0	0.0
20	PI2 BPSK	50	28	23.21	23.29	23.17	24.0	0.0
20	PI2 BPSK	50	56	23.03	23.18	23.14	24.0	0.0
20	PI2 BPSK	100	0	23.10	23.22	23.09		
20	QPSK	1	1	23.27	23.38	23.34		
20	QPSK	1	53	23.17	23.31	23.26	24.0	0.0
20	QPSK	1	104	23.18	23.29	23.23		
20	QPSK	50	0	23.11	23.23	23.11		
20	QPSK	50	28	23.20	23.33	23.21	24.0	0.0
20	QPSK	50	56	23.13	23.23	23.11	24.0	0.0
20	QPSK	100	0	23.14	23.26	23.14		
20	QAM	1	1	22.76	22.86	22.84		
20	QAM	1	1	22.10	22.19	22.12	23.0	1.0
20	256QAM	1	1	20.83	20.57	20.49	21.0	3.0
Channel				134100	138100	138100	Tune-up limit	MPR
Frequency (MHz)				673.5	680.5	687.5	(dBm)	(dB)
15	QPSK	1	1	23.15	23.35	23.20	24.0	0.0
Channel				133900	138100	138600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	23.12	23.33	23.28	24.0	0.0
Channel				133100	133100	133100	Tune-up limit	MPR
Frequency (MHz)				666.5	680.5	686.5	(dBm)	(dB)
5	QPSK	1	1	23.19	23.27	23.21	24.0	0.0



n38 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				516004	516000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	20.76	20.99	20.89		
40	PI2 BPSK	1	53	20.76	20.97	20.73	22.3	0.0
40	PI2 BPSK	1	104	20.70	20.91	20.83		
40	PI2 BPSK	50	0	20.93	20.81	20.70	22.3	0.0
40	PI2 BPSK	50	28	20.92	20.84	20.83	22.3	0.0
40	PI2 BPSK	50	56	20.83	20.82	20.71		
40	PI2 BPSK	100	0	20.86	20.87	20.70	22.3	0.0
40	QPSK	1	1	20.91	21.10	21.05		
40	QPSK	1	53	20.78	21.09	20.85	22.3	0.0
40	QPSK	1	104	20.96	20.80	20.86		
40	QPSK	50	0	20.72	20.85	20.78	22.3	0.0
40	QPSK	50	28	20.91	20.93	20.84	22.3	0.0
40	QPSK	50	56	20.85	20.91	20.89	22.3	0.0
40	QPSK	100	0	20.82	21.00	20.73		
40	16QAM	1	1	21.04	20.98	20.92	22.3	0.0
40	64QAM	1	1	20.58	20.63	20.48	21.5	0.8
40	256QAM	1	1	18.86	18.82	18.79	18.5	2.0
Channel				517002	519000	520008		
Frequency (MHz)				2585.01	2585	2584.99		
30	QPSK	1	1	20.84	21.04	21.04	22.3	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.83	2585	2587.83		
25	QPSK	1	1	20.85	21.05	20.99	22.3	0.0
Channel				516000	516000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	20.89	21.08	20.87	22.3	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2585	2612.49		
15	QPSK	1	1	20.84	21.06	21.02	22.3	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2585	2614.98		
10	QPSK	1	1	20.85	21.06	21.02	22.3	0.0

n41 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				506002	518598	528000		
Frequency (MHz)				2540.01	2522.99	2540		
100	PI2 BPSK	1	1	20.81	21.00	20.82		
100	PI2 BPSK	1	137	20.79	20.97	20.98	22.3	0.0
100	PI2 BPSK	1	271	20.75	20.83	20.77		
100	PI2 BPSK	135	0	20.87	21.04	20.74	22.3	0.0
100	PI2 BPSK	135	69	21.01	20.83	20.88	22.3	0.0
100	PI2 BPSK	135	138	20.75	20.96	20.82		
100	PI2 BPSK	270	0	20.32	20.39	20.35	22.3	0.0
100	QPSK	1	1	20.86	21.15	20.95		
100	QPSK	1	137	20.80	20.93	20.83	22.3	0.0
100	QPSK	1	271	20.85	20.89	20.89		
100	QPSK	135	0	20.91	21.00	20.90	22.0	0.3
100	QPSK	135	69	20.89	21.02	20.95	22.3	0.0
100	QPSK	135	138	20.88	21.01	20.83	22.0	0.3
100	QPSK	270	0	20.80	20.94	20.81		
100	16QAM	1	1	20.97	21.03	20.89	22.0	0.3
100	64QAM	1	1	19.02	18.16	19.03	20.5	1.8
100	256QAM	1	1	17.45	17.23	17.43	18.5	3.0
Channel				510500	518598	529598		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.72	20.93	20.66	22.3	0.0
Channel				507204	518598	529598		
Frequency (MHz)				2538.02	2592.99	2648.99		
80	QPSK	1	1	20.68	21.04	20.78	22.3	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.82	20.87	20.74	22.3	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2528	2592.99	2659.98		
60	QPSK	1	1	20.57	21.04	20.67	22.3	0.0
Channel				504204	518598	532996		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.78	21.04	20.74	22.3	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2518.01	2592.99	2670		
40	QPSK	1	1	20.65	20.83	20.81	22.3	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.57	20.84	20.71	22.3	0.0
Channel				501204	518598	535996		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.67	21.06	20.69	22.3	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
Channel				506002	518598	526000				
Frequency (MHz)				2346.01	2392.99	2340				
100	PI2 BPSK	1	1	23.92	23.82	23.89				
100	PI2 BPSK	1	137	23.75	23.96	23.74	25.3		0.0	
100	PI2 BPSK	1	271	23.69	23.77	23.69				
100	PI2 BPSK	135	0	23.57	23.86	23.68	25.3		0.0	
100	PI2 BPSK	135	69	23.71	23.85	23.76				
100	PI2 BPSK	135	138	23.58	23.63	23.74	25.3		0.0	
100	PI2 BPSK	270	0	23.78	23.70	23.82				
100	QPSK	1	1	23.82	23.96	23.86				
100	QPSK	1	137	23.66	23.86	23.67	25.3		0.0	
100	QPSK	1	271	23.81	23.71	23.65				
100	QPSK	135	0	23.81	23.83	23.87	25.3		0.0	
100	QPSK	135	69	23.90	24.00	23.69	25.3		0.0	
100	QPSK	135	138	23.74	23.63	23.86	25.3		0.0	
100	QPSK	270	0	23.52	23.51	23.39				
100	16QAM	1	1	23.63	23.69	23.82	25.3		0.0	
100	64QAM	1	1	22.57	22.62	22.52	24.0	1.3		
100	256QAM	1	1	20.16	20.30	20.15	22.0	3.3		
Channel				510000	518598	525998				
Frequency (MHz)				2341	2392.99	2344.98				
90	QPSK	1	1	23.66	23.86	23.61	25.3	0.0		
Channel				507204	518598	525998				
Frequency (MHz)				2338.02	2392.99	2343.99				
80	QPSK	1	1	23.55	23.88	23.77	25.3	0.0		
Channel				506002	518598	531000				
Frequency (MHz)				2331.01	2392.99	2365				
70	QPSK	1	1	23.54	23.74	23.71	25.3	0.0		
Channel				505000	518598	531998				
Frequency (MHz)				2326	2392.99	2369.98				
60	QPSK	1	1	23.74	23.75	23.65	25.3	0.0		
Channel				502004	518598	532000				
Frequency (MHz)				2321.02	2392.99	2364.99				
50	QPSK	1	1	23.72	23.74	23.59	25.3	0.0		
Channel				503002	518598	534000				
Frequency (MHz)				2316.01	2392.99	2360				
40	QPSK	1	1	23.56	23.74	23.67	25.3	0.0		
Channel				502000	518598	534998				
Frequency (MHz)				2311	2392.99	2374.98				
30	QPSK	1	1	23.74	23.75	23.64	25.3	0.0		
Channel				501004	518598	535998				
Frequency (MHz)				2306.02	2392.99	2379.98				
20	QPSK	1	1	23.70	23.68	23.62	25.3	0.0		

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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
Channel				638000	641666	645332				
Frequency (MHz)				3370	3624.99	3679.98				
40	PI2 BPSK	1	1	20.87	21.01	20.95				
40	PI2 BPSK	1	53	20.85	20.99	20.89	22.0		0.0	
40	PI2 BPSK	1	104	20.91	20.95	20.91				
40	PI2 BPSK	50	0	20.30	20.40	20.34	21.5		0.5	
40	PI2 BPSK	50	26	20.84	20.97	20.82				
40	PI2 BPSK	50	56	20.34	20.39	20.34	21.5		0.5	
40	PI2 BPSK	100	0	20.38	20.43	20.30				
40	QPSK	1	1	20.99	21.09	20.94				
40	QPSK	1	53	20.95	21.03	20.97	22.0		0.0	
40	QPSK	1	104	20.92	20.96	20.93				
40	QPSK	50	0	20.02	20.13	19.98	21.0	1.0		
40	QPSK	50	28	20.94	21.05	20.88	22.0	0.0		
40	QPSK	90	56	19.88	20.04	19.82	21.0	1.0		
40	QPSK	100	0	19.94	20.07	20.03				
40	16QAM	1	1	19.90	19.98	19.81	21.0	1.0		
40	64QAM	1	1	18.57	18.78	18.64	19.5	2.5		
40	256QAM	1	1	16.82	16.82	16.67	17.5	4.5		
Channel				637000	641666	645000				
Frequency (MHz)				3665.02	3634.99	3684.99				
30	QPSK	1	1	20.87	21.03	20.83	22.0	0.0		
Channel				637304	641666	646000				
Frequency (MHz)				3662.01	3624.99	3660				
20	QPSK	1	1	20.90	20.94	20.79	22.0	0.0		
Channel				637000	641666	646332				
Frequency (MHz)				3556	3634.99	3694.98				
10	QPSK	1	1	20.90	20.89	20.89	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)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.81	22.94	22.91		
100	Pl2 BPSK	1	137	22.94	23.02	22.97	24.0	0.0
100	Pl2 BPSK	1	271	22.77	22.89	22.77		
100	Pl2 BPSK	135	0	22.74	22.90	22.74	24.0	0.0
100	Pl2 BPSK	135	69	22.95	22.97	22.93	24.0	0.0
100	Pl2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0
100	Pl2 BPSK	270	0	22.82	22.92	22.81	24.0	0.0
100	QPSK	1	1	22.88	23.06	23.04		
100	QPSK	1	137	22.86	22.86	22.83	24.0	0.0
100	QPSK	1	271	22.97	22.99	22.88		
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0
100	QPSK	135	69	22.82	23.03	22.90	24.0	0.0
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0
100	QPSK	270	0	22.94	22.90	22.77	24.0	0.0
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0
100	256QAM	1	1	20.19	20.24	20.19	21.0	3.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.82	22.95	22.94	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	22.75	22.99	22.98	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
50	QPSK	1	1	22.81	22.96	22.99	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
40	QPSK	1	1	22.74	22.99	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
30	QPSK	1	1	22.71	22.98	22.93	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
10	QPSK	1	1	22.78	23.00	22.97	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.68	25.92	25.60		
100	Pl2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0
100	Pl2 BPSK	1	271	25.88	26.07	26.03		
100	Pl2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0
100	Pl2 BPSK	135	69	25.85	26.02	25.98	27.0	0.0
100	Pl2 BPSK	135	138	25.82	26.05	25.90	27.0	0.0
100	Pl2 BPSK	270	0	25.70	25.91	25.87	27.0	0.0
100	QPSK	1	1	25.80	26.13	26.08		
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0
100	QPSK	1	271	25.83	26.03	25.87		
100	QPSK	135	0	25.64	25.82	25.76	27.0	0.0
100	QPSK	135	69	25.86	26.10	26.00	27.0	0.0
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0
100	QPSK	270	0	25.77	25.97	25.81	27.0	0.0
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5
100	256QAM	1	1	23.19	23.40	23.38	24.5	2.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	25.66	25.97	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
30	QPSK	1	1	25.70	26.06	25.98	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
10	QPSK	1	1	25.77	25.98	25.96	27.0	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)						3500.01		
100	Pl2 BPSK	1	1			23.24		
100	Pl2 BPSK	1	137			23.32	24.0	0.0
100	Pl2 BPSK	1	271			23.26		
100	Pl2 BPSK	135	0			23.22	24.0	0.0
100	Pl2 BPSK	135	69			23.23	24.0	0.0
100	Pl2 BPSK	135	138			23.26	24.0	0.0
100	Pl2 BPSK	270	0			23.20	24.0	0.0
100	QPSK	1	1			23.36		
100	QPSK	1	137			23.28	24.0	0.0
100	QPSK	1	271			23.24		
100	QPSK	135	0			23.24	24.0	0.0
100	QPSK	135	69			23.29	24.0	0.0
100	QPSK	135	138			23.24	24.0	0.0
100	QPSK	270	0			23.23	24.0	0.0
100	16QAM	1	1			23.21	23.0	1.0
100	64QAM	1	1			22.32	23.0	1.0
100	256QAM	1	1			20.50	21.0	3.0
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				633068	633334	633600		
80	QPSK	1	1	23.28	23.24	23.26	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
70	QPSK	1	1	23.15	23.27	23.15	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
60	QPSK	1	1	23.20	23.23	23.15	24.0	0.0
Channel								
Frequency (MHz)				633165	633334	633500		
50	QPSK	1	1	23.22	23.32	23.19	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
40	QPSK	1	1	23.16	23.20	23.17	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
30	QPSK	1	1	23.24	23.33	23.23	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
20	QPSK	1	1	23.17	23.26	23.18	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
15	QPSK	1	1	23.29	23.25	23.13	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
10	QPSK	1	1	23.21	23.28	23.18	24.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		26.35			
100	PI2 BPSK	1	271		26.39		27.0	0.0
100	PI2 BPSK	1	271		26.38			
100	PI2 BPSK	135	0		26.33		27.0	0.0
100	PI2 BPSK	135	69		26.29		27.0	0.0
100	PI2 BPSK	135	138		26.35		27.0	0.0
100	PI2 BPSK	270	0		26.38			
100	QPSK	1	1		26.46			
100	QPSK	1	137		26.36			
100	QPSK	1	271		26.31		27.0	0.0
100	QPSK	135	0		26.29		27.0	0.0
100	QPSK	135	69		26.35		27.0	0.0
100	QPSK	135	138		26.26		27.0	0.0
100	QPSK	270	0		26.40			
100	16QAM	1	1		26.29		27.0	0.0
100	64QAM	1	1		26.06		26.5	0.5
100	256QAM	1	1		24.11		24.6	2.6
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.30	26.34	26.43	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	63068	63334	634000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3499.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	63166	63334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.38	26.33	26.37	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3478.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.42	26.36	26.32	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.36	26.38	26.41	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	63090	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3451.5	3500.01	3542.5	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3452.01	3500.01	3543.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.35	26.31	26.34	Tune-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)				3750	3750	3750			
100	PI2 BPSK	1	1		22.85				
100	PI2 BPSK	1	137		22.80		24.0	0.0	
100	PI2 BPSK	1	271		22.74				
100	PI2 BPSK	135	0		22.85		24.0	0.0	
100	PI2 BPSK	135	69		22.73		24.0	0.0	
100	PI2 BPSK	135	138		22.84		24.0	0.0	
100	PI2 BPSK	270	0		22.75		24.0	0.0	
100	QPSK	1	1		22.89				
100	QPSK	1	137		22.81		24.0	0.0	
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.75		23.5	0.5	
100	QPSK	135	69		22.83		24.0	0.0	
100	QPSK	135	138		22.75		23.5	0.5	
100	QPSK	270	0		22.85		22.0	2.0	
100	16QAM	1	1		22.25		22.0	2.0	
100	64QAM	1	1		20.83		22.0	4.0	
100	256QAM	1	1		19.01		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.71	22.84	22.79	24.0	0.0
Channel									
Frequency (MHz)				64834	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.81	22.73	22.89	24.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.53	22.79	22.66	24.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.73	22.80	22.80	24.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.78	22.75	22.73	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.78	22.85	22.87	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3715.02	3750	3785.01	24.0	0.0
Channel									
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3710.01	3750	3790.02	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.81	22.83	22.70	24.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.74	22.88	22.72	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.83				
100	PI2 BPSK	1	137		25.82		27.0	0.0	
100	PI2 BPSK	1	271		25.85				
100	PI2 BPSK	135	0		25.90		27.0	0.0	
100	PI2 BPSK	135	69		25.96		27.0	0.0	
100	PI2 BPSK	135	138		25.91		27.0	0.0	
100	PI2 BPSK	270	0		25.87		27.0	0.0	
100	QPSK	1	1		25.97				
100	QPSK	1	137		25.90		27.0	0.0	
100	QPSK	1	271		25.94				
100	QPSK	135	0		25.83		27.0	0.0	
100	QPSK	135	69		25.93		27.0	0.0	
100	QPSK	135	138		25.84		27.0	0.0	
100	QPSK	270	0		25.94		27.0	0.0	
100	16QAM	1	1		25.58		25.5	1.5	
100	64QAM	1	1		24.18		25.5	1.5	
100	256QAM	1	1		22.28		23.5	3.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.83	25.83	25.83	27.0	0.0
Channel									
Frequency (MHz)				64834	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.83	25.79	27.0	0.0
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.81	25.85	25.81	27.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.91	25.85	25.83	27.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.91	25.94	25.83	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.78	25.83	25.81	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3715.02	3750	3785.01	27.0	0.0
Channel									
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3710.01	3750	3790.02	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.78	25.91	25.77	27.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.80	25.91	25.77	27.0	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)					350.01				
100	PI2 BPSK	1	1		23.22				
100	PI2 BPSK	1	137		23.18		24.0	0.0	
100	PI2 BPSK	1	271		23.29				
100	PI2 BPSK	135	0		23.22		24.0	0.0	
100	PI2 BPSK	135	69		23.30		24.0	0.0	
100	PI2 BPSK	135	138		23.29		24.0	0.0	
100	PI2 BPSK	270	0		23.17		24.0	0.0	
100	QPSK	1	1		23.32				
100	QPSK	1	137		23.21		24.0	0.0	
100	QPSK	1	271		23.17				
100	QPSK	135	0		23.18		23.5	0.5	
100	QPSK	135	69		23.23		24.0	0.0	
100	QPSK	135	138		23.17		23.5	0.5	
100	QPSK	270	0		23.26		22.0	2.0	
100	16QAM	1	1		23.13		22.0	2.0	
100	64QAM	1	1		21.58		22.0	4.0	
100	256QAM	1	1		19.48		22.0	4.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.17	23.23	23.18	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.15	23.24	23.21	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.22	23.29	23.14	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.09	23.22	23.19	24.0	0.0
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.10	23.20	23.19	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.22	23.20	23.17	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3465	3500.01	3535.02	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3460.02	3500.01	3540	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.23	23.26	23.20	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.14	23.15	23.25	24.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				630001				
Frequency (MHz)				3000.01				
100	PI2 BPSK	1	1	28.24			27.0	0.0
100	PI2 BPSK	1	137	28.33				
100	PI2 BPSK	1	271	28.28				
100	PI2 BPSK	135	0	28.22			27.0	0.0
100	PI2 BPSK	135	69	28.32			27.0	0.0
100	PI2 BPSK	135	138	28.27			27.0	0.0
100	PI2 BPSK	270	0	28.25				
100	QPSK	1	1	28.38				
100	QPSK	1	137	28.25			27.0	0.0
100	QPSK	1	271	28.25				
100	QPSK	135	0	28.30			27.0	0.0
100	QPSK	135	69	28.35			27.0	0.0
100	QPSK	135	138	28.32			27.0	0.0
100	QPSK	270	0	28.23				
100	16QAM	1	1	28.18			27.0	0.0
100	64QAM	1	1	25.20			25.5	1.5
100	256QAM	1	1	23.16			23.5	3.5
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	28.16	28.26	28.22	27.0	0.0
Channel				632068	633334	634600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3500.01	3510		
80	QPSK	1	1	28.24	28.24	28.24	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	28.22	28.29	28.29	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3500.02		
60	QPSK	1	1	28.20	28.26	28.16	27.0	0.0
Channel				631000	633334	635500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	28.28	28.29	28.28	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.01	3520.01	3520.01		
40	QPSK	1	1	28.18	28.23	28.29	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3535.02		
30	QPSK	1	1	28.24	28.34	28.29	27.0	0.0
Channel				630668	633334	635900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3500.01	3540		
20	QPSK	1	1	28.22	28.27	28.20	27.0	0.0
Channel				630500	633334	636150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.15	3500.01	3542.02		
15	QPSK	1	1	28.18	28.35	28.28	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.01	3500.01	3545.01		
10	QPSK	1	1	28.25	28.32	28.27	27.0	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									
				370000	376000	380000			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.58	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.40	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.50	19.21	19.29	22.0	3.0	
Channel									
				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
				370000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.32	21.40	21.24	23.0	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									
				166800	167300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.80	21.86	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.36	22.0	1.0	
Channel									
				162000	162300	162300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 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									
				506000	507000	510000			
Frequency (MHz)									
40	PI2 BPSK	1	1	22.18	22.23	22.14			
40	PI2 BPSK	1	108	22.07	22.14	22.00	23.0	0.0	
40	PI2 BPSK	1	214	22.06	22.11	21.99			
40	PI2 BPSK	108	0	22.03	22.17	22.10	23.0	0.0	
40	PI2 BPSK	108	54	22.09	22.21	22.13	23.0	0.0	
40	PI2 BPSK	108	108	22.08	22.16	22.04	23.0	0.0	
40	PI2 BPSK	216	0	22.14	22.20	22.16			
40	QPSK	1	1	22.13	22.26	22.21			
40	QPSK	1	108	22.08	22.20	22.17	23.0	0.0	
40	QPSK	1	214	22.11	22.14	22.09			
40	QPSK	108	0	21.97	22.10	21.97	23.0	0.0	
40	QPSK	108	54	22.14	22.17	22.07	23.0	0.0	
40	QPSK	108	108	21.93	22.02	21.94	23.0	0.0	
40	QPSK	216	0	21.94	22.05	22.04			
40	16QAM	1	1	21.69	21.83	21.76	22.0	1.0	
40	64QAM	1	1	21.05	21.09	20.96	22.0	1.0	
40	256QAM	1	1	19.53	19.63	19.96	20.0	3.0	
Channel									
				503000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	22.15	22.15	22.11	23.0	0.0	
Channel									
				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	22.11	22.20	22.14	23.0	0.0	
Channel									
				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	PI2 BPSK	1	1	22.08	22.11	22.18	23.0	0.0	
Channel									
				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.07	22.18	22.10	23.0	0.0	
Channel									
				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.11	22.21	22.11	23.0	0.0	
Channel									
				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.13	22.22	22.15	23.0	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									
				141300	141600	141700			
Frequency (MHz)									
15	PI2 BPSK	1	1	21.52	21.56	21.76			
15	PI2 BPSK	1	49	21.64	21.71	21.86	23.0	0.0	
15	PI2 BPSK	1	77	21.49	21.59	21.46			
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0	0.0	
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0	0.0	
15	PI2 BPSK	36	43	21.64	21.69	21.66	23.0	0.0	
15	PI2 BPSK	75	0	21.71	21.79	21.70			
15	QPSK	1	1	21.87	21.95	21.82			
15	QPSK	1	49	21.76	21.83	21.74	23.0	0.0	
15	QPSK	1	77	21.70	21.79	21.97			
15	QPSK	36	0	21.64	21.73	21.60	23.0	0.0	
15	QPSK	36	22	21.83	21.86	21.79	23.0	0.0	
15	QPSK	36	43	21.62	21.73	21.64	23.0	0.0	
15	QPSK	75	0	21.72	21.76	21.74			
15	16QAM	1	1	21.53	21.63	21.52	23.0	0.0	
15	64QAM	1	1	20.83	20.93	20.89	22.0	1.0	
15	256QAM	1	1	19.33	19.41	19.29	23.0	3.0	
Channel									
				142000	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	794	797.5	711	23.0	0.0	
Channel									
				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0	

n13 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									
				156400	156400				
Frequency (MHz)									
10	PI2 BPSK	1	1	21.84					
10	PI2 BPSK	1	26	21.79			23.0	0.0	
10	PI2 BPSK	1	50	21.72					
10	PI2 BPSK	25	0	20.93			22.5	0.5	
10	PI2 BPSK	25	14	21.86			23.0	0.0	
10	PI2 BPSK	25	27	21.76			22.5	0.5	
10	PI2 BPSK	50	0	21.81					
10	QPSK	1	1	21.94					
10	QPSK	1	26	21.87			23.0	0.0	
10	QPSK	1	50	21.83					
10	QPSK	25	0	20.89			22.0	1.0	
10	QPSK	25	14	21.89			23.0	0.0	
10	QPSK	25	27	21.13			22.0	1.0	
10	QPSK	50	0	21.16					
10	16QAM	1	1	20.71			22.0	1.0	
10	64QAM	1	1	19.53			20.5	2.5	
10	256QAM	1	1	18.22			18.5	4.5	
Channel									
				150900	150400	150600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	779.5	782	784.5	23.0	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									
				158100	158600				
Frequency (MHz)									
10	PI2 BPSK	1	1	21.98					
10	PI2 BPSK	1	26	21.90			23.0	0.0	
10	PI2 BPSK	1	50	21.86					
10	PI2 BPSK	25	0	21.89			23.0	0.0	
10	PI2 BPSK	25	14	21.95			23.0	0.0	
10	PI2 BPSK	25	27	21.86			23.0	0.0	
10	PI2 BPSK	50	0	21.93					
10	QPSK	1	1	22.04					
10	QPSK	1	26	22.01			23.0	0.0	
10	QPSK	1	50	21.96					
10	QPSK	25	0	21.94			23.0	0.0	
10	QPSK	25	14	21.99			23.0	0.0	
10	QPSK	25	27	21.87			23.0	0.0	
10	QPSK	50	0	21.94					
10	16QAM	1	1	21.88			23.0	0.0	
10	64QAM	1	1	20.85			22.0	1.0	
10	256QAM	1	1	19.09			20.0	3.0	
Channel									
				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.93	21.96	21.91	23.0	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				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	21.39	21.43	21.33		
40	PI2 BPSK	1	108	21.32	21.37	21.22	23.0	0.0
40	PI2 BPSK	1	214	21.34	21.40	21.28		
40	PI2 BPSK	108	0	21.35	21.39	21.32	23.0	0.0
40	PI2 BPSK	108	54	21.38	21.40	21.38	23.0	0.0
40	PI2 BPSK	108	108	21.31	21.34	21.27	23.0	0.0
40	PI2 BPSK	216	0	21.28	21.38	21.26		
40	QPSK	1	1	21.49	21.52	21.45		
40	QPSK	1	108	21.37	21.48	21.40	23.0	0.0
40	QPSK	1	214	21.30	21.42	21.34		
40	QPSK	108	0	21.32	21.38	21.29	23.0	0.0
40	QPSK	108	54	21.42	21.49	21.38	23.0	0.0
40	QPSK	108	108	21.38	21.41	21.37	23.0	0.0
40	QPSK	216	0	21.38	21.44	21.33		
40	16QAM	1	1	21.33	21.37	21.26	23.0	0.0
40	64QAM	1	1	20.32	20.42	20.37	22.0	1.0
40	256QAM	1	1	19.07	19.13	19.00	20.0	3.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.42	21.47	21.35	23.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1882.5		
25	QPSK	1	1	21.35	21.41	21.39	23.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1900		
20	QPSK	1	1	21.39	21.43	21.33	23.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.34	21.40	21.31	23.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.45	21.49	21.36	23.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.36	21.43	21.38	23.0	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				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	22.07	22.11	22.02		
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0
20	PI2 BPSK	1	104	21.85	21.91	21.80		
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0	0.0
20	PI2 BPSK	50	26	21.94	22.06	21.94	23.0	0.0
20	PI2 BPSK	50	55	21.83	21.91	21.81	23.0	0.0
20	PI2 BPSK	100	0	21.92	22.01	21.95		
20	QPSK	1	1	22.03	22.15	22.04		
20	QPSK	1	53	21.89	22.00	22.07	23.0	0.0
20	QPSK	1	104	21.91	22.05	21.94		
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0
20	QPSK	50	56	21.92	21.99	21.93	23.0	0.0
20	QPSK	100	0	22.02	22.08	21.94		
20	16QAM	1	1	21.64	21.75	21.69	23.0	0.0
20	64QAM	1	1	20.96	21.11	21.08	22.0	1.0
20	256QAM	1	1	19.32	19.41	19.30	20.0	3.0
Channel				165300	166300	166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				818	831.5	844		
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815	831.5	846.5		
5	QPSK	1	1	21.95	22.01	21.91	23.0	0.0



n30 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)									
10	PI/2 BPSK	1	1	2173	2310				
10	PI/2 BPSK	1	26	2179			23.0	0.0	
10	PI/2 BPSK	1	50	2173					
10	PI/2 BPSK	25	0	2169			23.0	0.0	
10	PI/2 BPSK	25	14	2169			23.0	0.0	
10	PI/2 BPSK	25	27	2168			23.0	0.0	
10	PI/2 BPSK	50	0	2165					
10	QPSK	1	1	2185					
10	QPSK	1	26	2181			23.0	0.0	
10	QPSK	1	50	2174					
10	QPSK	25	0	2171			23.0	0.0	
10	QPSK	25	14	2181			23.0	0.0	
10	QPSK	25	27	2167			23.0	0.0	
10	QPSK	50	0	2172					
10	16QAM	1	1	2169			23.0	0.0	
10	64QAM	1	1	2073			22.0	1.0	
10	256QAM	1	1	1837			22.0	3.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	2179	2178	2179	23.0	0.0	
				461300	462500	462500	Tune-up limit (dBm)	MPR (dB)	
				2307.5	2310	2312.5			

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									
Frequency (MHz)									
40	PI/2 BPSK	1	1	2167	2173	2181			
40	PI/2 BPSK	1	108	2149	2181	2185	23.0	0.0	
40	PI/2 BPSK	1	214	2158	2183	2180			
40	PI/2 BPSK	108	0	2150	2159	2148	23.0	0.0	
40	PI/2 BPSK	108	54	2185	2170	2156	23.0	0.0	
40	PI/2 BPSK	108	108	2150	2158	2152	23.0	0.0	
40	PI/2 BPSK	216	0	2159	2164	2152			
40	QPSK	1	1	2167	2179	2174			
40	QPSK	1	108	2182	2172	2183	23.0	0.0	
40	QPSK	1	214	2157	2187	2154			
40	QPSK	108	0	2157	2182	2157	23.0	0.0	
40	QPSK	108	54	2182	2174	2180	23.0	0.0	
40	QPSK	108	108	2180	2188	2155	23.0	0.0	
40	QPSK	216	0	2167	2171	2184			
40	16QAM	1	1	2152	2183	2152	23.0	0.0	
40	64QAM	1	1	2082	2097	2093	22.0	1.0	
40	256QAM	1	1	1932	1977	1988	22.0	3.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2184	2170	2180	23.0	0.0	
				345000	345000	354000	Tune-up limit (dBm)	MPR (dB)	
				1725	1745	1765			
Channel									
Frequency (MHz)									
15	QPSK	1	1	2164	2175	2184	23.0	0.0	
				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
				1715	1745	1775			
Channel									
Frequency (MHz)									
10	QPSK	1	1	2180	2173	2182	23.0	0.0	
				352500	359500	355500	Tune-up limit (dBm)	MPR (dB)	
				1712.5	1745	1777.5			
Channel									
Frequency (MHz)									
5	QPSK	1	1	2152	2171	2188	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)									
15	PI/2 BPSK	1	1	2150	2187				
15	PI/2 BPSK	1	40	2187			23.0	0.0	
15	PI/2 BPSK	1	77	2182					
15	PI/2 BPSK	36	0	2134			22.5	0.5	
15	PI/2 BPSK	36	22	2186			23.0	0.0	
15	PI/2 BPSK	36	43	2126			22.5	0.5	
15	PI/2 BPSK	75	0	2132					
15	QPSK	1	1	2195					
15	QPSK	1	40	2183			23.0	0.0	
15	QPSK	1	77	2186					
15	QPSK	36	0	2135			22.0	1.0	
15	QPSK	36	22	2188			23.0	0.0	
15	QPSK	36	43	2140			22.0	1.0	
15	QPSK	75	0	2132					
15	16QAM	1	1	2134			22.0	1.0	
15	64QAM	1	1	1988			20.5	2.5	
15	256QAM	1	1	1752			18.5	4.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	2184	2192	2181	23.0	0.0	
				345000	345500	341000	Tune-up limit (dBm)	MPR (dB)	
				1700	1702.5	1705			
Channel									
Frequency (MHz)									
5	QPSK	1	1	2181	2188	2183	23.0	0.0	
				335000	340500	341500	Tune-up limit (dBm)	MPR (dB)	
				1697.5	1702.5	1707.5			



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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.07	22.18	22.14		
20	PI/2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI/2 BPSK	1	104	21.91	22.06	21.99		
20	PI/2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI/2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI/2 BPSK	50	56	22.03	22.07	21.98		
20	PI/2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.16	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	56	21.91	22.06	21.99		
20	QPSK	100	0	22.03	22.13	21.99	23.0	0.0
20	16QAM	1	1	21.96	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.99	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.49	19.42	23.0	3.0
Channel				133100	133100	133100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit	MPR
Frequency (MHz)				688	690.5	693	(dBm)	(dB)
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				690.5	691.5	692.5	(dBm)	(dB)
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				516004	516000	516996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	22.41	22.51	22.39		
40	PI2 BPSK	1	83	22.25	22.42	22.38	23.0	0.0
40	PI2 BPSK	1	104	22.17	22.34	22.18		
40	PI2 BPSK	80	0	22.32	22.46	22.37	23.0	0.0
40	PI2 BPSK	50	28	22.38	22.42	22.27	23.0	0.0
40	PI2 BPSK	50	56	22.26	22.42	22.37		
40	PI2 BPSK	100	0	22.36	22.41	22.37	23.0	0.0
40	QPSK	1	1	22.49	22.54	22.49		
40	QPSK	1	83	22.34	22.49	22.42	23.0	0.0
40	QPSK	1	104	22.45	22.51	22.46		
40	QPSK	50	0	22.31	22.48	22.43	23.0	0.0
40	QPSK	50	28	22.38	22.50	22.44	23.0	0.0
40	QPSK	80	56	22.36	22.39	22.25	23.0	0.0
40	QPSK	100	0	22.37	22.46	22.44		
40	16QAM	1	1	22.34	22.42	22.32	23.0	0.0
40	64QAM	1	1	20.76	20.84	20.86	21.5	1.5
40	256QAM	1	1	18.17	18.27	18.07	18.5	3.5
Channel				517002	516000	520008		
Frequency (MHz)				2685.01	2686	2684.99		
25	QPSK	1	1	22.41	22.45	22.45	0.0	0.0
Channel				516504	516000	521496		
Frequency (MHz)				2682.82	2686	2687.88		
25	QPSK	1	1	22.45	22.53	22.48	23.0	0.0
Channel				516000	516000	522000		
Frequency (MHz)				2590	2595	2590		
20	QPSK	1	1	22.44	22.53	22.44	23.0	0.0
Channel				515502	516000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.43	22.46	22.41	23.0	0.0
Channel				515004	516000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.44	22.48	22.46	23.0	0.0

n41 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				526002	518598	528000		
Frequency (MHz)				2540.01	2529.99	2540		
100	PI2 BPSK	1	1	21.92	22.04	21.97		
100	PI2 BPSK	1	137	21.90	21.98	21.98	23.0	0.0
100	PI2 BPSK	1	271	21.98	21.95	21.89		
100	PI2 BPSK	135	0	21.42	21.45	21.38	22.5	0.5
100	PI2 BPSK	135	69	21.98	22.02	21.88	23.0	0.0
100	PI2 BPSK	135	138	21.37	21.49	21.41	22.5	0.5
100	PI2 BPSK	270	0	21.31	21.40	21.36		
100	QPSK	1	1	21.98	22.07	22.03		
100	QPSK	1	137	21.95	22.01	21.87	23.0	0.0
100	QPSK	1	271	21.88	21.92	21.86		
100	QPSK	135	0	20.01	21.06	20.90	22.0	1.0
100	QPSK	135	69	21.94	22.02	21.99	23.0	0.0
100	QPSK	135	138	20.86	20.89	20.78	22.0	1.0
100	QPSK	270	0	20.78	20.95	20.87		
100	16QAM	1	1	20.81	20.86	20.80	22.0	1.0
100	64QAM	1	1	18.19	18.32	18.28	20.5	2.5
100	256QAM	1	1	17.45	17.52	17.41	18.5	4.5
Channel				516500	518598	529596		
Frequency (MHz)				2641	2652.99	2644.98		
90	QPSK	1	1	21.93	22.04	21.99	23.0	0.0
Channel				507204	518598	529596		
Frequency (MHz)				2638.02	2652.99	2648.99		
80	QPSK	1	1	21.95	21.95	21.90	23.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2631.01	2652.99	2635		
70	QPSK	1	1	21.89	22.00	21.90	23.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2626	2652.99	2629.98		
60	QPSK	1	1	21.86	22.00	21.83	23.0	0.0
Channel				504204	518598	532996		
Frequency (MHz)				2621.02	2652.99	2624.99		
50	QPSK	1	1	21.88	21.98	21.98	23.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2616.01	2652.99	2619		
40	QPSK	1	1	21.92	21.97	21.89	23.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2652.99	2674.98		
30	QPSK	1	1	21.95	22.01	21.82	23.0	0.0
Channel				501204	518598	535996		
Frequency (MHz)				2506.02	2652.99	2678.99		
20	QPSK	1	1	21.87	21.92	21.92	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				506202	518598	526900		
Frequency (MHz)				2544.01	2592.99	2640		
100	PI2 BPSK	1	1	25.17	25.21	25.09		
100	PI2 BPSK	1	137	25.07	25.17	25.04	26.0	0.0
100	PI2 BPSK	1	271	25.00	25.11	25.02		
100	PI2 BPSK	135	0	24.90	25.02	24.95	26.0	0.0
100	PI2 BPSK	135	69	25.03	25.14	25.08	26.0	0.0
100	PI2 BPSK	135	138	24.97	25.07	24.95	26.0	0.0
100	PI2 BPSK	270	0	25.03	25.11	25.00		
100	QPSK	1	1	25.25	25.28	25.16		
100	QPSK	1	137	25.16	25.20	25.08	26.0	0.0
100	QPSK	1	271	25.09	25.15	25.07		
100	QPSK	135	0	24.83	24.88	24.81	25.5	0.5
100	QPSK	135	69	25.21	25.23	25.12	26.0	0.0
100	QPSK	135	138	24.80	24.71	24.58	25.5	0.5
100	QPSK	270	0	24.84	24.80	24.59		
100	16QAM	1	1	24.47	24.61	24.50	25.5	0.5
100	64QAM	1	1	22.93	23.04	22.91	24.0	2.0
100	256QAM	1	1	20.92	21.04	20.90	22.0	4.0
Channel				510200	519598	529000		
Frequency (MHz)				2544	2592.99	2644.98		
90	QPSK	1	1	25.14	25.15	25.03	26.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	25.18	25.14	25.05	26.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.21	25.13	25.03	26.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2458	2592.99	2659.98		
60	QPSK	1	1	25.22	25.22	25.02	26.0	0.0
Channel				510204	519598	532000		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.17	25.17	25.10	26.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2416.01	2592.99	2690		
40	QPSK	1	1	25.15	25.25	25.03	26.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.20	25.14	25.01	26.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2606.02	2692.99	2679.99		
20	QPSK	1	1	25.16	25.21	25.01	26.0	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				638000	641666	645332		
Frequency (MHz)				3370	3624.99	3679.98		
40	PI2 BPSK	1	1	23.65	23.66	23.63		
40	PI2 BPSK	1	53	23.53	23.62	23.55	24.0	0.0
40	PI2 BPSK	1	104	23.49	23.52	23.45		
40	PI2 BPSK	50	0	23.28	23.35	23.23	23.5	0.5
40	PI2 BPSK	50	26	23.53	23.67	23.58	24.0	0.0
40	PI2 BPSK	50	55	23.14	23.18	23.14	23.5	0.5
40	PI2 BPSK	100	0	23.14	23.22	23.22		
40	QPSK	1	1	23.65	23.73	23.56		
40	QPSK	1	53	23.54	23.62	23.60	24.0	0.0
40	QPSK	1	104	23.41	23.62	23.51		
40	QPSK	50	0	22.85	22.82	22.64	23.0	1.0
40	QPSK	50	28	23.80	23.70	23.47	24.0	0.0
40	QPSK	50	56	22.57	22.69	22.64	23.0	1.0
40	QPSK	100	0	22.63	22.62	22.71		
40	16QAM	1	1	22.56	22.67	22.58	23.0	1.0
40	64QAM	1	1	21.03	21.18	21.09	21.5	2.5
40	256QAM	1	1	19.17	19.35	19.25	19.5	4.5
Channel				637000	641666	646000		
Frequency (MHz)				3665.02	3634.99	3684.99		
30	QPSK	1	1	23.16	23.22	23.03	24.0	0.0
Channel				637304	641666	646000		
Frequency (MHz)				3662.01	3624.99	3660		
20	QPSK	1	1	23.16	23.19	23.05	24.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3556	3624.99	3694.98		
10	QPSK	1	1	23.16	23.20	23.05	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.79	22.90	22.78		
100	Pl2 BPSK	1	137	22.68	22.75	22.82	24.0	0.0
100	Pl2 BPSK	1	271	22.83	22.78	22.65		
100	Pl2 BPSK	135	0	22.27	22.32	22.26	23.5	0.5
100	Pl2 BPSK	135	69	22.76	22.86	22.78	24.0	0.0
100	Pl2 BPSK	135	138	22.34	22.36	22.19	23.5	0.5
100	Pl2 BPSK	270	0	22.34	22.37	22.35		
100	QPSK	1	1	22.89	22.95	22.89		
100	QPSK	1	137	22.89	22.84	22.81	24.0	0.0
100	QPSK	1	271	22.68	22.76	22.67		
100	QPSK	135	0	21.90	22.10	22.00	23.0	1.0
100	QPSK	135	69	22.73	22.81	22.78	24.0	0.0
100	QPSK	135	138	21.89	22.11	21.94	23.0	1.0
100	QPSK	270	0	22.01	22.02	21.93		
100	16QAM	1	1	21.95	21.98	21.83	23.0	1.0
100	64QAM	1	1	20.32	20.40	20.38	21.5	2.5
100	256QAM	1	1	18.58	18.72	18.68	19.5	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.78	22.87	22.86	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	22.73	22.88	22.72	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.78	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000		
40	QPSK	1	1	22.84	22.91	22.83	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3965.01		
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)				647160	650000	654834		
15	QPSK	1	1	22.84	22.88	22.79	24.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.92	22.92	22.78	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.78	25.79	25.78		
100	Pl2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0
100	Pl2 BPSK	1	271	25.86	25.72	25.56		
100	Pl2 BPSK	135	0	25.84	25.59	25.61	27.0	0.0
100	Pl2 BPSK	135	69	25.86	25.79	25.81	27.0	0.0
100	Pl2 BPSK	135	138	25.63	25.70	25.86	27.0	0.0
100	Pl2 BPSK	270	0	25.58	25.76	25.63		
100	QPSK	1	1	25.85	25.96	25.83		
100	QPSK	1	137	25.81	25.75	25.75	27.0	0.0
100	QPSK	1	271	25.59	25.75	25.71		
100	QPSK	135	0	25.24	25.38	25.40	26.5	0.5
100	QPSK	135	69	25.84	25.88	25.81	27.0	0.0
100	QPSK	135	138	25.12	25.33	25.15	26.5	0.5
100	QPSK	270	0	25.26	25.38	25.24		
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5
100	64QAM	1	1	23.83	23.75	23.52	25.0	2.0
100	256QAM	1	1	21.00	21.98	21.77	23.0	4.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0
Channel								
Frequency (MHz)				648334	650000	652668		
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650334		
60	QPSK	1	1	25.70	25.87	25.69	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	654000		
40	QPSK	1	1	25.79	25.80	25.87	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3965.01		
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.68	25.92	25.75	27.0	0.0
Channel								
Frequency (MHz)				647160	650000	654834		
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	25.80	25.87	25.72	27.0	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)						3500.01		
100	Pl2 BPSK	1	1			22.41		
100	Pl2 BPSK	1	137			23.32	24.0	0.0
100	Pl2 BPSK	1	271			23.26		
100	Pl2 BPSK	135	0			22.88	23.5	0.5
100	Pl2 BPSK	135	69			23.08	24.0	0.0
100	Pl2 BPSK	135	138			22.81	23.5	0.5
100	Pl2 BPSK	270	0			22.74		
100	QPSK	1	1			23.45		
100	QPSK	1	137			23.30	24.0	0.0
100	QPSK	1	271			23.35		
100	QPSK	135	0			23.43	23.0	1.0
100	QPSK	135	69			23.22	24.0	0.0
100	QPSK	135	138			22.56	23.0	1.0
100	QPSK	270	0			22.53		
100	16QAM	1	1			22.15	21.5	2.5
100	64QAM	1	1			20.84	19.5	4.5
100	256QAM	1	1			18.96	18.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	23.29	23.30	23.29	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	23.29	23.39	23.29	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	23.34	23.38	23.34	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000		
50	QPSK	1	1	23.31	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	23.32	23.29	23.33	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	3465	3500.01	3535.01		
Channel								
Frequency (MHz)				630668	633334	636000		
20	QPSK	1	1	23.35	23.34	23.36	24.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334		
15	QPSK	1	1	23.40	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)				630000	633334	636668		
10	QPSK	1	1	23.35	23.32	23.41	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PK2 BPSK	1	1		3500.01			
100	PK2 BPSK	1	137		20.54			
100	PK2 BPSK	1	271		20.32		27.0	0.0
100	PK2 BPSK	135	0		20.51			
100	PK2 BPSK	135	69		20.34		27.0	0.0
100	PK2 BPSK	135	138		20.44		27.0	0.0
100	PK2 BPSK	270	0		20.18		27.0	0.0
100	PK2 BPSK	270	0		20.27			
100	QPSK	1	1		20.00			
100	QPSK	1	137		20.36		27.0	0.0
100	QPSK	1	271		20.30			
100	QPSK	135	0		20.58		26.5	0.5
100	QPSK	135	69		20.42		27.0	0.0
100	QPSK	135	138		20.90		26.5	0.5
100	QPSK	270	0		20.15		26.5	0.5
100	16QAM	1	1		20.02		26.5	0.5
100	64QAM	1	1		24.61		25.0	2.0
100	256QAM	1	1		22.46		23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	20.47	20.46	20.58	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630988	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3510		
80	QPSK	1	1	20.48	20.58	20.53	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.50	20.51	20.49	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.56	20.47	20.56	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631803	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.48	20.45	20.43	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.54	20.51	20.51	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.56	20.52	20.53	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630988	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	20.58	20.57	20.56	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630900	633334	633100	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.57	20.58	20.54	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	20.50	20.45	20.55	27.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.90				
100	PI2 BPSK	1	137		22.85		24.0	0.0	
100	PI2 BPSK	1	271		22.81				
100	PI2 BPSK	135	0		22.33		23.5	0.5	
100	PI2 BPSK	135	69		22.86		24.0	0.0	
100	PI2 BPSK	135	138		22.32		23.5	0.5	
100	PI2 BPSK	270	0		22.40				
100	QPSK	1	1		22.91		24.0	0.0	
100	QPSK	1	137		22.82				
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.05		23.0	1.0	
100	QPSK	135	69		22.82		24.0	0.0	
100	QPSK	135	138		21.90		23.0	1.0	
100	QPSK	270	0		21.93				
100	16QAM	1	1		21.71		21.5	2.5	
100	64QAM	1	1		20.36		19.5	4.5	
100	256QAM	1	1		18.03		17.5	4.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Channel				3745.02	3750	3765.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.77	22.87	22.86	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
Channel				3749.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.88	22.85	22.86	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Channel				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.83	22.80	22.82	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Channel				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.87	22.78	22.86	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65168	Tune-up limit (dBm)	MPR (dB)	
Channel				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.77	22.77	22.87	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Channel				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.84	22.80	22.77	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Channel				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		22.58	22.78	22.76	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65268	Tune-up limit (dBm)	MPR (dB)	
Channel				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		22.80	22.84	22.85	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Channel				3707.50	3750	3792.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.77	22.79	22.84	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Channel				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.90	22.75	22.86	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.90				
100	PI2 BPSK	1	137		25.74		27.0	0.0	
100	PI2 BPSK	1	271		25.70				
100	PI2 BPSK	135	0		25.79		27.0	0.0	
100	PI2 BPSK	135	69		25.87		27.0	0.0	
100	PI2 BPSK	135	138		25.75		27.0	0.0	
100	PI2 BPSK	270	0		25.78				
100	QPSK	1	1		25.94		27.0	0.0	
100	QPSK	1	137		25.86				
100	QPSK	1	271		25.89				
100	QPSK	135	0		25.64		26.5	0.5	
100	QPSK	135	69		25.88		27.0	0.0	
100	QPSK	135	138		25.40		26.5	0.5	
100	QPSK	270	0		25.92				
100	16QAM	1	1		25.40		25.0	0.5	
100	64QAM	1	1		23.91		23.0	2.0	
100	256QAM	1	1		22.07		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Channel				3745.02	3750	3765.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.88	25.80	25.82	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
Channel				3749.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.90	25.91	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Channel				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.88	25.79	25.82	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Channel				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.85	25.80	25.78	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65168	Tune-up limit (dBm)	MPR (dB)	
Channel				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.77	25.78	25.84	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Channel				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.80	25.80	25.79	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Channel				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		25.34	25.78	25.85	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65268	Tune-up limit (dBm)	MPR (dB)	
Channel				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		25.86	25.89	25.78	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Channel				3707.50	3750	3792.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.77	25.91	25.88	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Channel				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.83	25.87	25.87	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		23.30				
100	PI2 BPSK	1	137		23.29		24.0	0.0	
100	PI2 BPSK	1	271		23.46				
100	PI2 BPSK	135	0		23.09		23.5	0.5	
100	PI2 BPSK	135	69		23.33		24.0	0.0	
100	PI2 BPSK	135	138		22.99		23.5	0.5	
100	PI2 BPSK	270	0		23.12				
100	QPSK	1	1		23.41		24.0	0.0	
100	QPSK	1	137		23.19				
100	QPSK	1	271		23.35				
100	QPSK	135	0		22.71		23.0	1.0	
100	QPSK	135	69		23.40		24.0	0.0	
100	QPSK	135	138		22.81		23.0	1.0	
100	QPSK	270	0		22.96				
100	16QAM	1	1		22.37		21.5	2.5	
100	64QAM	1	1		21.25		19.5	4.5	
100	256QAM	1	1		18.31		17.5	4.5	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
Channel				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.37	23.29	23.28	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63400	Tune-up limit (dBm)	MPR (dB)	
Channel				3495.02	3500.01	3505	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.28	23.34	23.28	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
Channel				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.34	23.39	23.25	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63468	Tune-up limit (dBm)	MPR (dB)	
Channel				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.32	23.34	23.39	24.0	0.0
Channel									
Frequency (MHz)				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)	
Channel				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.35	23.33	23.32	24.0	0.0
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
Channel				3480.01	3500.01	3520.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.27	23.26	23.39	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63568	Tune-up limit (dBm)	MPR (dB)	
Channel				3465	3500.01	3525.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		23.25	23.34	23.24	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
Channel				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		23.33	23.34	23.28	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63634	Tune-up limit (dBm)	MPR (dB)	
Channel				3457.5	3500.01	3542.50	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.28	23.31			



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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel					3000.01			
Frequency (MHz)					3000.01			
100	PI2 BPSK	1	1	28.43				
100	PI2 BPSK	1	137	28.12			27.0	0.0
100	PI2 BPSK	1	271	28.39				
100	PI2 BPSK	135	0	28.23			27.0	0.0
100	PI2 BPSK	135	69	28.60			27.0	0.0
100	PI2 BPSK	135	138	28.12			27.0	0.0
100	PI2 BPSK	270	0	25.98				
100	QPSK	1	1	28.51				
100	QPSK	1	137	28.27			27.0	0.0
100	QPSK	1	271	28.40				
100	QPSK	135	0	25.81			26.5	0.5
100	QPSK	135	69	28.30			27.0	0.0
100	QPSK	135	138	28.89			26.5	0.5
100	QPSK	270	0	25.55				
100	16QAM	1	1	25.76			26.5	0.5
100	64QAM	1	1	24.17			25.0	2.0
100	256QAM	1	1	22.12			23.0	4.0
Channel				633000	633334	633668		
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	28.47	28.36	28.41	27.0	0.0
Channel				632068	633334	634000		
Frequency (MHz)				3480.02	3500.01	3520		
80	QPSK	1	1	28.41	28.40	28.45	27.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	28.47	28.47	28.37	27.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3505.02		
60	QPSK	1	1	28.35	28.37	28.47	27.0	0.0
Channel				631000	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	28.49	28.48	28.48	27.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3480.01	3520.01	3528.01		
40	QPSK	1	1	28.41	28.43	28.47	27.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3485	3500.01	3535.02		
30	QPSK	1	1	28.38	28.47	28.42	27.0	0.0
Channel				630568	633334	635900		
Frequency (MHz)				3480.02	3500.01	3540		
20	QPSK	1	1	28.47	28.44	28.41	27.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3475.01	3500.01	3542.02		
15	QPSK	1	1	28.45	28.49	28.47	27.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3480.01	3500.01	3543.01		
10	QPSK	1	1	28.36	28.47	28.43	27.0	0.0



n2 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1660	1680	1690			
20	PI2 BPSK	1	1	21.50	21.62	21.58			
20	PI2 BPSK	1	53	21.45	21.58	21.44	23.0	0.0	
20	PI2 BPSK	1	104	21.46	21.50	21.35			
20	PI2 BPSK	50	0	21.40	21.44	21.31	23.0	0.0	
20	PI2 BPSK	50	28	21.42	21.54	21.42	23.0	0.0	
20	PI2 BPSK	50	56	21.44	21.49	21.44	23.0	0.0	
20	PI2 BPSK	100	0	21.46	21.51	21.39	23.0	0.0	
20	QPSK	1	1	21.54	21.66	21.57			
20	QPSK	1	53	21.61	21.64	21.54	23.0	0.0	
20	QPSK	1	104	21.68	21.55	21.43			
20	QPSK	50	0	21.50	21.59	21.46	23.0	0.0	
20	QPSK	50	28	21.51	21.61	21.49	23.0	0.0	
20	QPSK	50	56	21.39	21.52	21.49	23.0	0.0	
20	QPSK	100	0	21.46	21.55	21.44	23.0	0.0	
20	16QAM	1	1	21.33	21.46	21.32	23.0	0.0	
20	64QAM	1	1	20.63	20.70	20.57	22.0	1.0	
20	256QAM	1	1	18.54	18.01	18.48	23.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	21.49	21.61	21.51	23.0	0.0	
Channel									
Frequency (MHz)				37000	376000	381000			
10	QPSK	1	1	21.40	21.60	21.53	23.0	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	21.43	21.58	21.54	23.0	0.0	

n5 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166800	167300	167800			
20	PI2 BPSK	1	1	22.58	22.62	22.53			
20	PI2 BPSK	1	53	22.42	22.53	22.49	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.44	22.50	22.38	24.0	0.0	
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.56	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0	
20	QPSK	100	0	22.47	22.56	22.51	24.0	0.0	
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.0	
20	256QAM	1	1	21.71	21.81	21.73	23.0	1.0	
Channel									
Frequency (MHz)				163300	163300	163300			
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel									
Frequency (MHz)				165800	167300	168800			
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel									
Frequency (MHz)				166300	167300	168300			
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 DSI6_ Standalone Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				504000	507000	510000			
40	PI2 BPSK	1	1	20.32	20.48	20.36			
40	PI2 BPSK	1	108	20.39	20.44	20.33	21.6	0.0	
40	PI2 BPSK	1	214	20.22	20.38	20.21			
40	PI2 BPSK	108	0	20.33	20.38	20.34	21.6	0.0	
40	PI2 BPSK	108	54	20.36	20.53	20.38	21.6	0.0	
40	PI2 BPSK	108	108	20.47	20.53	20.51	21.6	0.0	
40	PI2 BPSK	216	0	20.39	20.49	20.33			
40	QPSK	1	1	20.40	20.55	20.45			
40	QPSK	1	108	20.36	20.47	20.36	21.6	0.0	
40	QPSK	1	214	20.27	20.42	20.28			
40	QPSK	108	0	20.28	20.42	20.36	21.6	0.0	
40	QPSK	108	54	20.39	20.51	20.47	21.6	0.0	
40	QPSK	108	108	20.32	20.42	20.38	21.6	0.0	
40	QPSK	216	0	20.32	20.43	20.29			
40	16QAM	1	1	20.34	20.40	20.30	21.6	0.0	
40	64QAM	1	1	20.32	20.42	20.34	21.6	0.0	
40	256QAM	1	1	18.89	18.96	18.91	20.0	1.0	
Channel									
Frequency (MHz)				505000	507000	510000			
30	QPSK	1	1	20.29	20.53	20.42	21.6	0.0	
Channel									
Frequency (MHz)				502500	507000	510000			
25	QPSK	1	1	20.27	20.39	20.31	21.6	0.0	
Channel									
Frequency (MHz)				502000	507000	510000			
20	PI2 BPSK	1	1	20.10	20.35	20.00			
Channel									
Frequency (MHz)				501500	507000	510000			
15	QPSK	1	1	20.33	20.50	20.33	21.6	0.0	
Channel									
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	1	20.25	20.49	20.28	21.6	0.0	
Channel									
Frequency (MHz)				500000	507000	510000			
5	QPSK	1	1	20.38	20.50	20.37	21.6	0.0	



n25 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1882.5	1895			
40	PI/2 BPSK	1	1	21.48	21.53	21.44			
40	PI/2 BPSK	1	108	21.32	21.41	21.36	23.0	0.0	
40	PI/2 BPSK	1	214	21.32	21.43	21.34			
40	PI/2 BPSK	108	0	21.42	21.52	21.45	23.0	0.0	
40	PI/2 BPSK	108	54	21.39	21.46	21.43	23.0	0.0	
40	PI/2 BPSK	108	108	21.36	21.45	21.39	23.0	0.0	
40	PI/2 BPSK	216	0	21.33	21.41	21.28			
40	QPSK	1	1	21.62	21.66	21.57			
40	QPSK	1	108	21.43	21.54	21.49	23.0	0.0	
40	QPSK	1	214	21.41	21.48	21.40			
40	QPSK	108	0	21.48	21.55	21.47	23.0	0.0	
40	QPSK	108	54	21.53	21.58	21.48	23.0	0.0	
40	QPSK	108	108	21.38	21.46	21.39	23.0	0.0	
40	QPSK	216	0	21.47	21.51	21.43			
40	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
40	64QAM	1	1	20.43	20.47	20.35	22.0	1.0	
40	256QAM	1	1	18.58	18.07	18.88	23.0	3.0	
Channel									
Frequency (MHz)				1885	1892.5	1900	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.50	21.52	21.45	23.0	0.0	
Channel									
Frequency (MHz)				372000	376500	380500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	21.55	21.61	21.47	23.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.53	21.58	21.44	23.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.56	21.62	21.49	23.0	0.0	
Channel									
Frequency (MHz)				1885	1892.5	1910	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.55	21.57	21.53	23.0	0.0	
Channel									
Frequency (MHz)				370500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.48	21.56	21.52	23.0	0.0	

n30 DSI6_Standalone Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					2310				
10	PI/2 BPSK	1	1		19.84				
10	PI/2 BPSK	1	26		19.79		20.9	0.0	
10	PI/2 BPSK	1	50		19.81				
10	PI/2 BPSK	25	0		19.79		20.9	0.0	
10	PI/2 BPSK	25	14		19.84		20.9	0.0	
10	PI/2 BPSK	25	27		19.80		20.9	0.0	
10	PI/2 BPSK	50	0		19.85				
10	QPSK	1	1		19.96				
10	QPSK	1	26		19.84		20.9	0.0	
10	QPSK	1	50		19.84				
10	QPSK	25	0		19.84		20.9	0.0	
10	QPSK	25	14		19.94		20.9	0.0	
10	QPSK	25	27		19.93		20.9	0.0	
10	QPSK	50	0		19.76				
10	16QAM	1	1		19.80		20.9	0.0	
10	64QAM	1	1		19.88		20.9	0.0	
10	256QAM	1	1		18.41		23.0	0.8	
Channel									
Frequency (MHz)				461900	462000	462500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1		19.81	19.88	19.76	20.9	0.0

n66 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.01	22.11	22.07			
40	PI/2 BPSK	1	108	21.97	22.07	21.94	23.0	0.0	
40	PI/2 BPSK	1	214	21.90	21.96	21.82			
40	PI/2 BPSK	108	0	21.77	21.90	21.86	23.0	0.0	
40	PI/2 BPSK	108	54	21.94	22.05	22.01	23.0	0.0	
40	PI/2 BPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	PI/2 BPSK	216	0	21.84	21.95	21.83			
40	QPSK	1	1	22.06	22.18	22.01			
40	QPSK	1	108	22.05	22.12	22.06	23.0	0.0	
40	QPSK	1	214	22.02	22.07	22.00			
40	QPSK	108	0	21.81	21.93	21.83	23.0	0.0	
40	QPSK	108	54	21.95	21.99	21.86	23.0	0.0	
40	QPSK	108	108	21.87	21.93	21.80	23.0	0.0	
40	QPSK	216	0	21.92	21.98	21.82			
40	16QAM	1	1	21.88	21.91	21.78	23.0	0.0	
40	64QAM	1	1	20.61	20.73	20.66	22.0	1.0	
40	256QAM	1	1	18.34	18.49	18.38	23.0	3.0	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.96	22.14	21.87	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.99	22.10	21.90	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.00	22.05	21.93	23.0	0.0	
Channel									
Frequency (MHz)				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.96	22.07	21.86	23.0	0.0	
Channel									
Frequency (MHz)				1732.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.01	22.04	21.91	23.0	0.0	



n70 Default Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. J. Freq.	Power Middle Ch. J. Freq.	Power High Ch. J. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1	22.08				
15	PI2 BPSK	1	40	21.95			23.0	0.0
15	PI2 BPSK	1	77	21.40				
15	PI2 BPSK	36	0	22.03			22.5	0.5
15	PI2 BPSK	36	22	22.06			23.0	0.0
15	PI2 BPSK	36	43	21.38				
15	PI2 BPSK	75	0	21.45			22.5	0.5
15	QPSK	1	1	22.11				
15	QPSK	1	40	22.06			23.0	0.0
15	QPSK	1	77	22.07				
15	QPSK	36	0	21.06			22.0	1.0
15	QPSK	36	22	22.07			23.0	0.0
15	QPSK	36	43	20.96			22.0	1.0
15	QPSK	75	0	21.14				
15	16QAM	1	1	21.18			22.0	1.0
15	16QAM	1	1	19.76			20.5	2.5
15	256QAM	1	1	17.67			18.5	4.5
Channel				340000	340500	341000	Tune-up limit	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	21.98	22.04	21.97	23.0	0.0
Channel				339500	340500	341500	Tune-up limit	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	21.97	22.03	22.01	23.0	0.0



n38 DSI6_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				516004	519000	519996		
Frequency (MHz)				2500.02	2595	2599.98		
40	PI2 BPSK	1	1	19.13	19.16	19.15		
40	PI2 BPSK	1	1	19.02	19.16	19.13	20.0	0.0
40	PI2 BPSK	1	104	19.06	19.14	19.00		
40	PI2 BPSK	50	0	19.01	19.08	19.04	20.0	0.0
40	PI2 BPSK	50	28	19.04	19.05	18.93	20.0	0.0
40	PI2 BPSK	50	56	18.97	19.01	18.91	20.0	0.0
40	PI2 BPSK	100	0	18.98	19.04	18.88		
40	QPSK	1	1	19.02	19.19	19.08		
40	QPSK	1	53	19.07	19.09	18.99	20.0	0.0
40	QPSK	1	104	19.02	19.09	18.99		
40	QPSK	50	0	18.97	19.05	18.95	20.0	0.0
40	QPSK	50	28	19.05	19.12	19.08	20.0	0.0
40	QPSK	50	56	19.00	19.11	18.97	20.0	0.0
40	QPSK	100	0	19.04	19.15	18.99		
40	16QAM	1	1	19.00	19.14	18.98	20.0	0.0
40	64QAM	1	1	18.98	19.02	18.93	20.0	0.0
40	256QAM	1	1	18.90	18.90	18.47	18.5	0.5
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	18.99	19.15	19.07	20.0	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2602.02	2595	2607.98		
25	QPSK	1	1	18.99	19.17	19.07	20.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2590	2595	2590		
20	QPSK	1	1	18.96	19.16	19.04	20.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.94	19.17	19.07	20.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	19.00	19.15	19.06	20.0	0.0

n41 DSI6_Standalone Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	528600		
Frequency (MHz)				2540.01	2592.99	2540		
100	PI2 BPSK	1	1	19.00	19.13	19.04		
100	PI2 BPSK	1	137	19.03	19.06	18.99	20.0	0.0
100	PI2 BPSK	1	271	19.03	19.16	19.13		
100	PI2 BPSK	135	0	19.04	19.12	19.04	20.0	0.0
100	PI2 BPSK	135	69	18.97	19.13	19.05	20.0	0.0
100	PI2 BPSK	135	138	18.97	19.08	18.97	20.0	0.0
100	PI2 BPSK	270	0	18.98	19.11	19.03		
100	QPSK	1	1	19.03	19.20	19.14		
100	QPSK	1	137	19.15	19.17	19.08	20.0	0.0
100	QPSK	1	271	18.94	19.09	18.96		
100	QPSK	135	0	18.98	19.05	18.98	20.0	0.0
100	QPSK	135	69	19.08	19.13	19.02	20.0	0.0
100	QPSK	135	138	18.97	19.04	19.00	20.0	0.0
100	QPSK	270	0	19.01	19.12	19.05		
100	16QAM	1	1	18.97	19.12	19.05	20.0	0.0
100	64QAM	1	1	18.97	19.09	19.04	20.0	0.0
100	256QAM	1	1	17.57	17.70	17.25	18.5	1.5
Channel				505000	518598	529598		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.89	19.14	18.98	20.0	0.0
Channel				507004	518598	529598		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	19.00	19.15	19.00	20.0	0.0
Channel				506002	518598	531000		
Frequency (MHz)				2631.01	2692.99	2663		
70	QPSK	1	1	18.97	19.03	19.07	20.0	0.0
Channel				505000	518598	531996		
Frequency (MHz)				2626	2692.99	2699.98		
60	QPSK	1	1	18.96	19.06	19.00	20.0	0.0
Channel				504000	518598	532994		
Frequency (MHz)				2621.02	2692.99	2694.99		
50	QPSK	1	1	18.97	19.10	19.02	20.0	0.0
Channel				503002	518598	534000		
Frequency (MHz)				2616.01	2692.99	2690		
40	QPSK	1	1	18.98	19.08	19.02	20.0	0.0
Channel				502000	518598	534996		
Frequency (MHz)				2611	2692.99	2674.98		
30	QPSK	1	1	18.87	19.13	19.03	20.0	0.0
Channel				501004	518598	535998		
Frequency (MHz)				2606.02	2692.99	2679.99		
20	QPSK	1	1	18.94	19.07	19.04	20.0	0.0



n41 PC2 DSI6_Standalone Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518598	529000			
Frequency (MHz)				2544.01	2592.99	2640			
100	PI2 BPSK	1	1	21.83	21.92	21.88			
100	PI2 BPSK	1	137	21.86	21.93	21.90	23.0	0.0	
100	PI2 BPSK	1	271	21.70	21.88	21.72			
100	PI2 BPSK	135	0	21.81	21.84	21.81	23.0	0.0	
100	PI2 BPSK	135	69	21.84	21.87	21.74	23.0	0.0	
100	PI2 BPSK	135	138	21.80	21.87	21.70	23.0	0.0	
100	PI2 BPSK	270	0	21.88	21.97	21.84			
100	QPSK	1	1	21.84	22.01	21.88			
100	QPSK	1	137	21.82	21.86	21.81	23.0	0.0	
100	QPSK	1	271	21.78	21.92	21.76			
100	QPSK	135	0	21.72	21.87	21.74	23.0	0.0	
100	QPSK	135	69	21.81	21.97	21.84	23.0	0.0	
100	QPSK	135	138	21.68	21.84	21.70	23.0	0.0	
100	QPSK	270	0	21.83	21.89	21.84			
100	16QAM	1	1	21.91	21.97	21.92	23.0	0.0	
100	64QAM	1	1	21.68	21.85	21.71	23.0	0.0	
100	256QAM	1	1	21.17	21.22	21.16	22.0	1.0	
Channel				516000	519598	520998			
Frequency (MHz)				2544	2592.99	2644.98			
90	QPSK	1	1	21.86	21.92	21.73	23.0	0.0	
Channel				507204	518598	520998			
Frequency (MHz)				2638.02	2692.99	2644.99			
80	QPSK	1	1	21.87	21.88	21.78	23.0	0.0	
Channel				506002	518598	531000			
Frequency (MHz)				2531.01	2592.99	2695			
70	QPSK	1	1	21.73	21.91	21.83	23.0	0.0	
Channel				505000	518598	531998			
Frequency (MHz)				2428	2592.99	2699.98			
60	QPSK	1	1	21.90	21.86	21.78	23.0	0.0	
Channel				510204	518598	532000			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.84	21.84	21.85	23.0	0.0	
Channel				503002	518598	534000			
Frequency (MHz)				2416.01	2592.99	2690			
40	QPSK	1	1	21.79	21.90	21.80	23.0	0.0	
Channel				502000	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.88	21.93	21.81	23.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2606.02	2592.99	2679.99			
20	QPSK	1	1	21.78	21.96	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				638000	641666	645332			
Frequency (MHz)				3370	3624.99	3679.98			
40	PI2 BPSK	1	1	20.99	20.84	20.83			
40	PI2 BPSK	1	53	20.83	20.75	20.62	22.1	0.0	
40	PI2 BPSK	1	104	20.75	20.84	20.67			
40	PI2 BPSK	50	0	20.60	20.70	20.65	22.1	0.0	
40	PI2 BPSK	50	26	20.99	20.79	20.71	22.1	0.0	
40	PI2 BPSK	50	56	20.55	20.79	20.68			
40	PI2 BPSK	100	0	20.75	20.73	20.68	22.1	0.0	
40	QPSK	1	1	20.69	20.97	20.77			
40	QPSK	1	53	20.99	20.70	20.64	22.1	0.0	
40	QPSK	1	104	20.84	20.68	20.60			
40	QPSK	50	0	20.61	20.69	20.66	22.1	0.0	
40	QPSK	50	28	20.72	20.91	20.61	22.1	0.0	
40	QPSK	50	56	20.51	20.73	20.51	22.1	0.0	
40	QPSK	100	0	20.65	20.85	20.70			
40	16QAM	1	1	20.49	20.65	20.73	22.1	0.6	
40	64QAM	1	1	20.86	20.90	20.76	23.0	0.0	
40	256QAM	1	1	19.16	19.24	19.20	19.5	2.0	
Channel				637000	641666	645000			
Frequency (MHz)				3665.02	3634.99	3684.99			
30	QPSK	1	1	20.64	20.94	20.72	22.1	0.0	
Channel				637204	641666	646000			
Frequency (MHz)				3662.01	3624.99	3690			
20	QPSK	1	1	20.65	20.89	20.74	22.1	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3555	3634.99	3694.98			
10	QPSK	1	1	20.62	20.69	20.71	22.1	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)				3750	3840	3930		
100	PI2 BPSK	1	1	18.07	19.18	19.13		
100	PI2 BPSK	1	137	18.90	19.05	18.96	20.6	0.0
100	PI2 BPSK	1	271	18.94	19.05	18.97		
100	PI2 BPSK	135	0	19.16	19.20	19.17	20.6	0.0
100	PI2 BPSK	135	69	18.13	19.17	18.12	20.6	0.0
100	PI2 BPSK	135	138	18.93	19.06	18.99	20.6	0.0
100	PI2 BPSK	270	0	18.07	19.11	19.09	20.6	0.0
100	QPSK	1	1	19.07	19.22	19.17		
100	QPSK	1	137	18.94	19.10	18.96	20.6	0.0
100	QPSK	1	271	19.06	19.11	18.95		
100	QPSK	135	0	18.93	19.06	18.99	20.6	0.0
100	QPSK	135	69	18.96	19.13	19.04	20.6	0.0
100	QPSK	135	138	18.98	19.12	18.96	20.6	0.0
100	QPSK	270	0	19.10	19.12	19.04	20.6	0.0
100	16QAM	1	1	18.97	19.12	18.99	20.6	0.0
100	64QAM	1	1	18.99	19.05	19.01	20.6	0.0
100	256QAM	1	1	19.02	19.07	19.02	19.5	1.1
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.89	18.99	19.05	20.6	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.89	18.97	19.02	20.6	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.89	18.95	19.03	20.6	0.0
Channel								
Frequency (MHz)				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.92	18.99	19.04	20.6	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.88	18.98	19.01	20.6	0.0
Channel								
Frequency (MHz)				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.87	18.97	19.06	20.6	0.0
Channel								
Frequency (MHz)				647668	650000	651334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.96	18.92	19.02	20.6	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.88	18.98	19.06	20.6	0.0
Channel								
Frequency (MHz)				647160	650000	651334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.90	19.00	19.03	20.6	0.0
Channel								
Frequency (MHz)				647000	650000	651000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.97	18.99	19.05	20.6	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)				3750	3840	3930		
100	PI2 BPSK	1	1	22.15	22.22	22.08		
100	PI2 BPSK	1	137	22.06	22.18	22.16	23.6	0.0
100	PI2 BPSK	1	271	22.18	22.23	22.15		
100	PI2 BPSK	135	0	22.02	22.17	22.08	23.6	0.0
100	PI2 BPSK	135	69	22.05	22.19	22.10	23.6	0.0
100	PI2 BPSK	135	138	22.17	22.26	22.20	23.6	0.0
100	PI2 BPSK	270	0	22.08	22.14	22.06	23.6	0.0
100	QPSK	1	1	22.16	22.31	22.21		
100	QPSK	1	137	22.14	22.25	22.11	23.6	0.0
100	QPSK	1	271	21.98	22.14	22.00		
100	QPSK	135	0	22.11	22.15	22.05	23.6	0.0
100	QPSK	135	69	22.15	22.25	22.13	23.6	0.0
100	QPSK	135	138	22.06	22.12	22.04	23.6	0.0
100	QPSK	270	0	22.05	22.20	22.17	23.6	0.0
100	16QAM	1	1	22.09	22.17	22.03	23.6	0.0
100	64QAM	1	1	22.04	22.09	21.99	23.6	0.0
100	256QAM	1	1	22.01	22.06	21.98	23.0	0.8
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.09	22.28	22.13	23.6	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.10	22.28	22.16	23.6	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.11	22.23	22.11	23.6	0.0
Channel								
Frequency (MHz)				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.07	22.25	22.18	23.6	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.09	22.21	22.13	23.6	0.0
Channel								
Frequency (MHz)				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.12	22.25	22.15	23.6	0.0
Channel								
Frequency (MHz)				647668	650000	651334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.13	22.28	22.18	23.6	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.13	22.24	22.15	23.6	0.0
Channel								
Frequency (MHz)				647160	650000	651334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.12	22.28	22.19	23.6	0.0
Channel								
Frequency (MHz)				647000	650000	651000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.12	22.27	22.16	23.6	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)					3500.01			
100	PI2 BPSK	1	1		19.47			
100	PI2 BPSK	1	137		19.44		20.6	0.0
100	PI2 BPSK	1	271		19.38			
100	PI2 BPSK	135	0		19.39		20.6	0.0
100	PI2 BPSK	135	69		19.39		20.6	0.0
100	PI2 BPSK	135	138		19.35		20.6	0.0
100	PI2 BPSK	270	0		19.49		20.6	0.0
100	QPSK	1	1		19.51			
100	QPSK	1	137		19.45		20.6	0.0
100	QPSK	1	271		19.44			
100	QPSK	135	0		19.40		20.6	0.0
100	QPSK	135	69		19.49		20.6	0.0
100	QPSK	135	138		19.37		20.6	0.0
100	QPSK	270	0		19.48		20.6	0.0
100	16QAM	1	1		19.40		20.6	0.0
100	64QAM	1	1		19.33		20.6	0.0
100	256QAM	1	1		19.26		19.8	1.1
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.38	19.28	19.34	20.6	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.43	19.30	19.36	20.6	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.43	19.31	19.37	20.6	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	19.43	19.33	19.32	20.6	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.41	19.32	19.33	20.6	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.42	19.29	19.37	20.6	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.40	19.31	19.37	20.6	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.39	19.33	19.37	20.6	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.44	19.31	19.34	20.6	0.0
Channel								
Frequency (MHz)				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.37	19.29	19.37	20.6	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.	MPR (dB)
Channel							
Frequency (MHz)							
100	16Q BPSK	1	1		3500.01		
					22.28		
100	16Q BPSK	1	137		22.41		23.6
					22.35		
100	16Q BPSK	135	0		22.26		23.6
					22.29		
100	16Q BPSK	135	138		22.35		23.6
					22.26		
100	16Q BPSK	270	0		22.26		23.6
					22.42		
100	QPSK	1	1		22.46		23.6
					22.33		
100	QPSK	135	0		22.30		23.6
					22.36		
100	QPSK	135	69		22.28		23.6
					22.40		
100	16QAM	1	1		22.27		23.6
					22.27		
100	16QAM	1	1		22.21		23.6
					22.21		
Channel							
Frequency (MHz)							
				633000	633334	633668	
				3495	3500.01	3505.02	
80	QPSK	1	1	22.18	22.24	22.24	23.6
Channel							
Frequency (MHz)							
				630688	631334	634000	
				3498.02	3500.01	3510	
80	QPSK	1	1	22.20	22.27	22.20	23.6
Channel							
Frequency (MHz)							
				632334	633334	634334	
				3485.01	3500.01	3515.01	
70	QPSK	1	1	22.24	22.29	22.24	23.6
Channel							
Frequency (MHz)							
				632000	633334	634668	
				3480	3500.01	3520.02	
60	QPSK	1	1	22.22	22.30	22.21	23.6
Channel							
Frequency (MHz)							
				631808	633334	635000	
				3475.02	3500.01	3525	
50	QPSK	1	1	22.24	22.28	22.23	23.6
Channel							
Frequency (MHz)							
				631334	633334	635334	
				3478.01	3500.01	3528.01	
40	QPSK	1	1	22.22	22.29	22.22	23.6
Channel							
Frequency (MHz)							
				631000	633334	636668	
				3465	3500.01	3535.02	
30	QPSK	1	1	22.21	22.31	22.23	23.6
Channel							
Frequency (MHz)							
				630688	633334	635000	
				3460.02	3500.01	3540	
20	QPSK	1	1	22.26	22.23	22.21	23.6
Channel							
Frequency (MHz)							
				630300	633334	636168	
				3451.5	3500.01	3542.5	
15	QPSK	1	1	22.21	22.28	22.19	23.6
Channel							
Frequency (MHz)							
				630334	633334	636334	
				3450.01	3500.01	3540.01	
10	QPSK	1	1	22.25	22.24	22.22	23.6



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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)				3750	3750	3750		
100	Pi2 BPSK	1	1	18.67				
100	Pi2 BPSK	1	137	18.67			20.6	0.0
100	Pi2 BPSK	1	271	18.69				
100	Pi2 BPSK	135	0	18.72			20.6	0.0
100	Pi2 BPSK	135	69	18.66			20.6	0.0
100	Pi2 BPSK	135	138	18.66			20.6	0.0
100	Pi2 BPSK	270	0	18.70			20.6	0.0
100	QPSK	1	1	18.75				
100	QPSK	1	137	18.64			20.6	0.0
100	QPSK	1	271	18.64				
100	QPSK	135	0	18.62			20.6	0.0
100	QPSK	135	69	18.68			20.6	0.0
100	QPSK	135	138	18.66			20.6	0.0
100	QPSK	270	0	18.65			20.6	0.0
100	16QAM	1	1	18.61			20.6	0.0
100	64QAM	1	1	18.64			20.6	0.0
100	256QAM	1	1	18.51			18.5	1.1
Channel								
Frequency (MHz)				64988	65000	65034	Tune-up limit	MPR
90	QPSK	1	1	3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	18.71	18.64	18.65	20.6	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit	MPR
80	QPSK	1	1	3749.01	3750	3750.02	(dBm)	(dB)
80	QPSK	1	1	18.73	18.64	18.65	20.6	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR
70	QPSK	1	1	3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	18.59	18.62	18.62	20.6	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR
60	QPSK	1	1	3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	18.72	18.64	18.61	20.6	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	18.71	18.64	18.68	20.6	0.0
Channel								
Frequency (MHz)				64800	65000	65200	Tune-up limit	MPR
40	QPSK	1	1	3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	18.71	18.64	18.62	20.6	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR
30	QPSK	1	1	3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	18.59	18.65	18.68	20.6	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit	MPR
20	QPSK	1	1	3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	18.65	18.67	18.65	20.6	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR
15	QPSK	1	1	3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	18.68	18.61	18.66	20.6	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR
10	QPSK	1	1	3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	18.65	18.65	18.62	20.6	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)				3750	3750	3750		
100	Pi2 BPSK	1	1	21.61				
100	Pi2 BPSK	1	137	21.68			23.6	0.0
100	Pi2 BPSK	1	271	21.63				
100	Pi2 BPSK	135	0	21.67			23.6	0.0
100	Pi2 BPSK	135	69	21.69			23.6	0.0
100	Pi2 BPSK	135	138	21.64			23.6	0.0
100	Pi2 BPSK	270	0	21.73			23.6	0.0
100	QPSK	1	1	21.77				
100	QPSK	1	137	21.69			23.6	0.0
100	QPSK	1	271	21.69				
100	QPSK	135	0	21.68			23.6	0.0
100	QPSK	135	69	21.70			23.6	0.0
100	QPSK	135	138	21.67			23.6	0.0
100	QPSK	270	0	21.64			23.6	0.0
100	16QAM	1	1	21.70			23.6	0.0
100	64QAM	1	1	21.69			23.6	0.0
100	256QAM	1	1	21.68			23.0	0.6
Channel								
Frequency (MHz)				64988	65000	65034	Tune-up limit	MPR
90	QPSK	1	1	3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	21.67	21.68	21.61	23.6	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit	MPR
80	QPSK	1	1	3749.01	3750	3750.02	(dBm)	(dB)
80	QPSK	1	1	21.66	21.66	21.67	23.6	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit	MPR
70	QPSK	1	1	3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	21.66	21.65	21.65	23.6	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit	MPR
60	QPSK	1	1	3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	21.67	21.62	21.64	23.6	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	21.67	21.63	21.62	23.6	0.0
Channel								
Frequency (MHz)				64800	65000	65200	Tune-up limit	MPR
40	QPSK	1	1	3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	21.70	21.63	21.62	23.6	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit	MPR
30	QPSK	1	1	3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	21.70	21.68	21.62	23.6	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit	MPR
20	QPSK	1	1	3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	21.72	21.67	21.67	23.6	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR
15	QPSK	1	1	3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	21.70	21.66	21.61	23.6	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit	MPR
10	QPSK	1	1	3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	21.71	21.63	21.64	23.6	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)				3500.01				
100	Pi2 BPSK	1	1	18.69				
100	Pi2 BPSK	1	137	18.71			20.6	0.0
100	Pi2 BPSK	1	271	18.67				
100	Pi2 BPSK	135	0	18.66			20.6	0.0
100	Pi2 BPSK	135	69	18.64			20.6	0.0
100	Pi2 BPSK	135	138	18.69			20.6	0.0
100	Pi2 BPSK	270	0	18.63			20.6	0.0
100	QPSK	1	1	18.75				
100	QPSK	1	137	18.69			20.6	0.0
100	QPSK	1	271	18.62				
100	QPSK	135	0	18.63			20.6	0.0
100	QPSK	135	69	18.70			20.6	0.0
100	QPSK	135	138	18.64			20.6	0.0
100	QPSK	270	0	18.62			20.6	0.0
100	16QAM	1	1	18.61			20.6	0.0
100	64QAM	1	1	18.63			20.6	0.0
100	256QAM	1	1	18.58			18.5	1.1
Channel								
Frequency (MHz)				63300	63354	63398	Tune-up limit	MPR
90	QPSK	1	1	3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	18.67	18.64	18.64	20.6	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit	MPR
80	QPSK	1	1	3499.02	3500.01	3500	(dBm)	(dB)
80	QPSK	1	1	18.63	18.64	18.64	20.6	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit	MPR
70	QPSK	1	1	3493.01	3500.01	3506.01	(dBm)	(dB)
70	QPSK	1	1	18.63	18.65	18.67	20.6	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit	MPR
60	QPSK	1	1	3487	3500.01	3506.02	(dBm)	(dB)
60	QPSK	1	1	18.66	18.65	18.66	20.6	0.0
Channel								
Frequency (MHz)				63166	63334	63500	Tune-up limit	MPR
50	QPSK	1	1	3481.02	3500.01	3507	(dBm)	(dB)
50	QPSK	1	1	18.65	18.64	18.69	20.6	0.0
Channel								
Frequency (MHz)				63134	63334	63534	Tune-up limit	MPR
40	QPSK	1	1	3475.01	3500.01	3509.01	(dBm)	(dB)
40	QPSK	1	1	18.64	18.69	18.65	20.6	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit	MPR
30	QPSK	1	1	3479.01	3500.01	3515.01	(dBm)	(dB)
30	QPSK	1	1	18.62	18.65	18.70	20.6	0.0
Channel								
Frequency (MHz)				63068	63334	63600	Tune-up limit	MPR
20	QPSK	1	1	3473.02	3500.01	3516	(dBm)	(dB)
20	QPSK	1	1	18.67	18.66	18.66	20.6	0.0
Channel								
Frequency (MHz)				63030	63334	63634	Tune-up limit	MPR
15	QPSK	1	1	3467.5	3500.01	3521.5	(dBm)	(dB)
15	QPSK	1	1	18.65	18.64			



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EW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.73	3000.01			
100	PI2 BPSK	1	137	21.73			23.6	0.0
100	PI2 BPSK	1	271	21.71				
100	PI2 BPSK	135	0	21.67			23.6	0.0
100	PI2 BPSK	135	69	21.76			23.6	0.0
100	PI2 BPSK	135	138	21.70			23.6	0.0
100	PI2 BPSK	270	0	21.69				
100	QPSK	1	1	21.84				
100	QPSK	1	137	21.76			23.6	0.0
100	QPSK	1	271	21.74				
100	QPSK	135	0	21.69			23.6	0.0
100	QPSK	135	69	21.80			23.6	0.0
100	QPSK	135	138	21.73			23.6	0.0
100	QPSK	270	0	21.81				
100	16QAM	1	1	21.71			23.6	0.0
100	16QAM	1	1	21.63			23.6	0.0
100	25QAM	1	1	21.60			23.0	0.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3485	3000.01	3505.02		
90	QPSK	1	1	21.74	21.77	21.80	23.6	0.0
Channel								
Frequency (MHz)								
				632068	633334	634600	Tune-up limit (dBm)	MPR (dB)
				3480.02	3000.01	3510		
80	QPSK	1	1	21.78	21.81	21.82	23.6	0.0
Channel								
Frequency (MHz)								
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3000.01	3515.01		
70	QPSK	1	1	21.74	21.73	21.82	23.6	0.0
Channel								
Frequency (MHz)								
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3000.01	3500.02		
60	QPSK	1	1	21.75	21.80	21.79	23.6	0.0
Channel								
Frequency (MHz)								
				631068	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3000.01	3525		
50	QPSK	1	1	21.77	21.80	21.80	23.6	0.0
Channel								
Frequency (MHz)								
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3000.01	3520.01		
40	QPSK	1	1	21.78	21.81	21.79	23.6	0.0
Channel								
Frequency (MHz)								
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3485	3000.01	3535.02		
30	QPSK	1	1	21.77	21.82	21.80	23.6	0.0
Channel								
Frequency (MHz)								
				630568	633334	635900	Tune-up limit (dBm)	MPR (dB)
				3480.02	3000.01	3540		
20	QPSK	1	1	21.77	21.83	21.82	23.6	0.0
Channel								
Frequency (MHz)								
				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
				3475.01	3000.01	3545.02		
15	QPSK	1	1	21.77	21.82	21.82	23.6	0.0
Channel								
Frequency (MHz)								
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3480.01	3000.01	3540.01		
10	QPSK	1	1	21.73	21.80	21.81	23.6	0.0



n2 Default Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1800	1800	1800			
20	PI2 BPSK	1	1	23.04	23.07	22.97			
20	PI2 BPSK	1	53	22.98	23.09	22.96	24.0	0.0	
20	PI2 BPSK	1	104	22.87	22.98	22.89			
20	PI2 BPSK	50	0	22.91	22.99	22.93	24.0	0.0	
20	PI2 BPSK	50	28	22.84	22.97	22.91	24.0	0.0	
20	PI2 BPSK	50	56	22.92	22.96	22.87	24.0	0.0	
20	PI2 BPSK	100	0	22.83	22.99	22.94			
20	QPSK	1	1	23.06	23.12	22.99			
20	QPSK	1	53	23.00	23.08	22.98	24.0	0.0	
20	QPSK	1	104	22.99	23.03	22.96			
20	QPSK	50	0	22.84	23.01	22.94	24.0	0.0	
20	QPSK	50	28	23.03	23.08	22.95	24.0	0.0	
20	QPSK	50	56	22.84	22.94	22.85	24.0	0.0	
20	QPSK	100	0	22.92	23.00	22.90			
20	16QAM	1	1	22.85	22.95	22.92	24.0	0.0	
20	64QAM	1	1	21.80	22.01	21.94	23.0	1.0	
20	256QAM	1	1	19.94	20.12	20.08	21.0	3.0	
Channel									
Frequency (MHz)				1807.5	1800	1802.5			
15	QPSK	1	1	22.98	23.08	22.88	24.0	0.0	
Channel									
Frequency (MHz)				370000	376000	381000			
10	QPSK	1	1	22.98	23.01	22.84	24.0	0.0	
Channel									
Frequency (MHz)				370000	376000	381500			
5	QPSK	1	1	23.02	23.04	22.88	24.0	0.0	

n7 DSI6_Standalone Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				504000	507000	510000			
40	PI2 BPSK	1	1	22.45	22.48	22.46			
40	PI2 BPSK	1	108	22.19	22.32	22.16	23.5	0.0	
40	PI2 BPSK	1	214	22.39	22.41	22.32			
40	PI2 BPSK	108	0	22.18	22.33	22.22	23.5	0.0	
40	PI2 BPSK	108	54	22.36	22.44	22.33	23.5	0.0	
40	PI2 BPSK	108	108	22.26	22.36	22.20	23.5	0.0	
40	PI2 BPSK	216	0	22.24	22.28	22.11			
40	QPSK	1	1	22.39	22.52	22.47			
40	QPSK	1	108	22.30	22.36	22.21	23.5	0.0	
40	QPSK	1	214	22.30	22.39	22.26			
40	QPSK	108	0	22.25	22.31	22.26	23.5	0.0	
40	QPSK	108	54	22.37	22.46	22.32	23.5	0.0	
40	QPSK	108	108	22.19	22.35	22.21	23.5	0.0	
40	QPSK	216	0	22.26	22.37	22.27			
40	16QAM	1	1	22.16	22.24	22.17	23.5	0.0	
40	64QAM	1	1	22.13	22.23	22.10	23.0	0.5	
40	256QAM	1	1	20.09	20.09	20.02	21.0	2.5	
Channel									
Frequency (MHz)				2915	2935	2955			
30	QPSK	1	1	22.33	22.41	22.40	23.5	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	22.36	22.41	22.35	23.5	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	22.33	22.35	22.31	23.5	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	22.23	22.43	22.31	23.5	0.0	
Channel									
Frequency (MHz)				501000	507000	513000			
10	QPSK	1	1	22.23	22.36	22.32	23.5	0.0	
Channel									
Frequency (MHz)				500500	507000	513500			
5	QPSK	1	1	22.29	22.45	22.43	23.5	0.0	

n25 Default Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	182.5	1895			
40	PI2 BPSK	1	1	23.01	23.06	22.93			
40	PI2 BPSK	1	108	22.84	22.96	22.89	24.0	0.0	
40	PI2 BPSK	1	214	22.93	22.99	22.85			
40	PI2 BPSK	108	0	22.96	23.03	22.87	24.0	0.0	
40	PI2 BPSK	108	54	22.89	22.98	22.84	24.0	0.0	
40	PI2 BPSK	108	108	22.86	22.97	22.84	24.0	0.0	
40	PI2 BPSK	216	0	22.85	22.99	22.90			
40	QPSK	1	1	23.07	23.17	22.98			
40	QPSK	1	108	23.03	23.08	22.89	24.0	0.0	
40	QPSK	1	214	23.00	23.02	22.92			
40	QPSK	108	0	22.97	23.05	22.92	24.0	0.0	
40	QPSK	108	54	23.01	23.09	22.96	24.0	0.0	
40	QPSK	108	108	22.90	22.99	22.84	24.0	0.0	
40	QPSK	216	0	22.96	23.03	22.92			
40	16QAM	1	1	23.01	23.08	23.02	24.0	0.0	
40	64QAM	1	1	21.88	21.96	21.91	23.0	1.0	
40	256QAM	1	1	20.42	20.49	20.45	21.0	3.0	
Channel									
Frequency (MHz)				1865	182.5	1900			
30	QPSK	1	1	22.92	23.11	22.86	24.0	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	22.99	23.05	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	QPSK	1	1	23.03	23.04	22.87	24.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	23.00	23.10	22.86	24.0	0.0	
Channel									
Frequency (MHz)				1865	182.5	1910			
10	QPSK	1	1	22.99	23.08	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	382000			
5	QPSK	1	1	23.02	23.06	22.93	24.0	0.0	



n30 Default Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2310			
Frequency (MHz)							
10	PI2 BPSK	1	1	23.11			24.0
10	PI2 BPSK	1	26	23.05			24.0
10	PI2 BPSK	1	50	23.08			24.0
10	PI2 BPSK	25	0	22.95			24.0
10	PI2 BPSK	25	14	23.01			24.0
10	PI2 BPSK	25	27	22.97			24.0
10	PI2 BPSK	50	0	22.99			24.0
10	QPSK	1	1	23.17			24.0
10	QPSK	1	26	23.09			24.0
10	QPSK	1	50	23.04			24.0
10	QPSK	25	0	23.02			24.0
10	QPSK	25	14	23.09			24.0
10	QPSK	25	27	22.91			24.0
10	QPSK	50	0	22.95			24.0
10	16QAM	1	1	22.93			24.0
10	64QAM	1	1	21.81			23.0
10	256QAM	1	1	19.89			21.0
Channel				481500	482500		
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	23.07	23.13	23.03	24.0

n66 Default Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				1725			
Frequency (MHz)							
40	PI2 BPSK	1	1	23.50	23.53	23.40	24.0
40	PI2 BPSK	1	108	23.24	23.31	23.23	24.0
40	PI2 BPSK	1	214	23.18	23.29	23.14	24.0
40	PI2 BPSK	108	0	23.18	23.23	23.10	24.0
40	PI2 BPSK	108	54	23.25	23.34	23.22	24.0
40	PI2 BPSK	108	108	23.20	23.27	23.24	24.0
40	PI2 BPSK	216	0	23.18	23.29	23.19	24.0
40	QPSK	1	1	23.49	23.58	23.47	24.0
40	QPSK	1	108	23.35	23.49	23.38	24.0
40	QPSK	1	214	23.34	23.44	23.39	24.0
40	QPSK	108	0	23.12	23.24	23.21	24.0
40	QPSK	108	54	23.33	23.46	23.39	24.0
40	QPSK	108	108	23.23	23.32	23.21	24.0
40	QPSK	216	0	23.32	23.41	23.30	24.0
40	16QAM	1	1	23.08	23.21	23.09	24.0
40	64QAM	1	1	21.96	22.09	21.98	23.0
40	256QAM	1	1	20.82	20.92	20.83	21.0
Channel				345000	346000	345000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	23.42	23.47	23.43	24.0
Channel				344000	349000	354000	
Frequency (MHz)				1725	1745	1770	
20	QPSK	1	1	23.40	23.52	23.37	24.0
Channel				343500	348500	353500	
Frequency (MHz)				1715	1745	1775	
15	QPSK	1	1	23.45	23.43	23.43	24.0
Channel				343000	348000	353000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	23.45	23.43	23.42	24.0
Channel				342500	347500	352500	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.35	23.55	23.37	24.0

n70 Default Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				1725			
Frequency (MHz)							
15	PI2 BPSK	1	1		23.53		24.0
15	PI2 BPSK	1	40		23.47		24.0
15	PI2 BPSK	1	77		23.49		24.0
15	PI2 BPSK	36	0		23.41		24.0
15	PI2 BPSK	36	22		23.48		24.0
15	PI2 BPSK	36	43		23.34		24.0
15	PI2 BPSK	75	0		23.39		24.0
15	QPSK	1	1		23.55		24.0
15	QPSK	1	40		23.46		24.0
15	QPSK	1	77		23.42		24.0
15	QPSK	36	0		23.36		24.0
15	QPSK	36	22		23.50		24.0
15	QPSK	36	43		23.39		24.0
15	QPSK	75	0		23.43		24.0
15	16QAM	1	1		21.98		23.0
15	64QAM	1	1		20.71		21.5
15	256QAM	1	1		19.10		19.5
Channel				340000	345000	341000	
Frequency (MHz)				1760	1762.5	1765	
10	QPSK	1	1	23.40	23.48	23.41	24.0
Channel				339500	344500	341500	
Frequency (MHz)				1697.5	1702.5	1707.5	
5	QPSK	1	1	23.48	23.51	23.42	24.0



n38 DSI6_Standalone Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				516004	516000	516996	
Frequency (MHz)				2200.02	2205	2209.98	
40	PI2 BPSK	1	1	22.01	22.16	22.18	0.0
40	PI2 BPSK	1	63	22.10	22.19	22.13	23.1
40	PI2 BPSK	1	104	21.98	22.08	21.98	0.0
40	PI2 BPSK	80	0	22.06	22.13	22.10	23.1
40	PI2 BPSK	50	28	22.04	22.04	21.90	23.1
40	PI2 BPSK	50	56	22.02	22.10	21.84	0.0
40	PI2 BPSK	100	0	22.07	22.14	22.00	23.1
40	QPSK	1	1	22.09	22.29	22.19	0.0
40	QPSK	1	63	22.06	22.06	22.02	23.1
40	QPSK	1	104	22.03	22.15	22.09	0.0
40	QPSK	50	0	22.02	22.18	22.04	23.1
40	QPSK	50	28	22.01	22.20	22.03	23.1
40	QPSK	80	56	21.98	22.16	22.02	23.1
40	QPSK	100	0	22.08	22.10	22.01	0.0
40	16QAM	1	1	22.02	22.15	22.03	23.1
40	64QAM	1	1	22.15	22.11	22.12	22.8
40	256QAM	1	1	20.40	20.40	20.30	20.5
Channel				517002	516000	520998	
Frequency (MHz)				2265.01	2265	2264.99	
30	QPSK	1	1	22.03	22.26	22.11	23.1
Channel				516504	516000	521496	
Frequency (MHz)				2262.83	2265	2267.83	
25	QPSK	1	1	22.03	22.24	22.16	23.1
Channel				516000	516000	522000	
Frequency (MHz)				2260	2265	2270	
20	QPSK	1	1	22.06	22.21	22.14	23.1
Channel				515502	516000	522498	
Frequency (MHz)				2257.51	2265	2262.49	
15	QPSK	1	1	22.01	22.24	22.12	23.1
Channel				515004	516000	522996	
Frequency (MHz)				2255.02	2265	2264.98	
10	QPSK	1	1	22.00	22.27	22.15	23.1

n41 DSI6_Standalone Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				526002	518598	528000	
Frequency (MHz)				2340.01	2329.99	2340	
100	PI2 BPSK	1	1	21.69	21.80	21.67	0.0
100	PI2 BPSK	1	137	21.57	21.71	21.68	23.1
100	PI2 BPSK	1	271	21.69	21.77	21.63	0.0
100	PI2 BPSK	135	0	21.63	21.74	21.71	23.1
100	PI2 BPSK	135	69	21.64	21.80	21.68	23.1
100	PI2 BPSK	135	138	21.69	21.75	21.65	0.0
100	PI2 BPSK	270	0	21.64	21.77	21.65	23.1
100	QPSK	1	1	21.80	21.83	21.71	0.0
100	QPSK	1	137	21.56	21.74	21.70	23.1
100	QPSK	1	271	21.54	21.70	21.64	0.0
100	QPSK	135	0	21.55	21.69	21.65	23.0
100	QPSK	135	69	21.76	21.79	21.74	23.1
100	QPSK	135	138	21.73	21.77	21.65	23.0
100	QPSK	270	0	21.56	21.67	21.63	23.0
100	16QAM	1	1	21.69	21.72	21.55	23.0
100	64QAM	1	1	20.59	20.76	20.66	21.5
100	256QAM	1	1	18.57	18.63	18.61	19.5
Channel				516500	518598	520998	
Frequency (MHz)				2341	2329.99	2344.98	
90	QPSK	1	1	21.68	21.76	21.66	23.1
Channel				507204	518598	520998	
Frequency (MHz)				2338.93	2329.99	2348.99	
80	QPSK	1	1	21.68	21.80	21.62	23.1
Channel				506202	518598	531000	
Frequency (MHz)				2331.01	2329.99	2365	
70	QPSK	1	1	21.63	21.73	21.60	23.1
Channel				505200	518598	531998	
Frequency (MHz)				2326	2329.99	2369.98	
60	QPSK	1	1	21.73	21.80	21.65	23.1
Channel				504204	518598	532996	
Frequency (MHz)				2321.92	2329.99	2364.99	
50	QPSK	1	1	21.69	21.70	21.57	23.1
Channel				503202	518598	534000	
Frequency (MHz)				2316.91	2329.99	2360	
40	QPSK	1	1	21.78	21.79	21.54	23.1
Channel				502200	518598	534996	
Frequency (MHz)				2311	2329.99	2374.98	
30	QPSK	1	1	21.68	21.73	21.62	23.1
Channel				501204	518598	535998	
Frequency (MHz)				2306.92	2329.99	2379.99	
20	QPSK	1	1	21.77	21.72	21.60	23.1



n41 PC2 DSI6_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509002	518598	528000			
Frequency (MHz)				2446.01	2592.99	2640			
100	PI2 BPSK	1	1	24.64	24.78	24.69			
100	PI2 BPSK	1	137	24.75	24.83	24.75	26.1	0.0	
100	PI2 BPSK	1	271	24.68	24.82	24.70			
100	PI2 BPSK	135	0	24.73	24.85	24.82	26.1	0.0	
100	PI2 BPSK	135	69	24.76	24.82	24.80	26.1	0.0	
100	PI2 BPSK	135	138	24.75	24.81	24.71	26.1	0.0	
100	PI2 BPSK	270	0	24.61	24.78	24.72			
100	QPSK	1	1	24.76	24.92	24.89			
100	QPSK	1	137	24.64	24.80	24.78	26.1	0.0	
100	QPSK	1	271	24.72	24.76	24.74			
100	QPSK	135	0	24.75	24.89	24.78	26.1	0.0	
100	QPSK	135	69	24.84	24.90	24.77	26.1	0.0	
100	QPSK	135	138	24.82	24.89	24.74	26.1	0.0	
100	QPSK	270	0	24.72	24.83	24.80			
100	16QAM	1	1	24.70	24.80	24.74	26.1	0.0	
100	64QAM	1	1	24.28	24.34	24.20	25.0	1.1	
100	256QAM	1	1	22.53	22.61	22.45	23.0	3.1	
Channel				510000	519598	529000			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	24.69	24.78	24.76	26.1	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2638.00	2592.99	2649.99			
80	QPSK	1	1	24.65	24.89	24.77	26.1	0.0	
Channel				506002	518598	531000			
Frequency (MHz)				2531.01	2592.99	2665			
70	QPSK	1	1	24.67	24.87	24.82	26.1	0.0	
Channel				505000	518598	531998			
Frequency (MHz)				2458	2592.99	2659.98			
60	QPSK	1	1	24.64	24.87	24.79	26.1	0.0	
Channel				504004	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	24.72	24.79	24.83	26.1	0.0	
Channel				503002	518598	534000			
Frequency (MHz)				2416.01	2592.99	2670			
40	QPSK	1	1	24.74	24.81	24.72	26.1	0.0	
Channel				502000	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.83	24.89	24.80	26.1	0.0	
Channel				501004	518598	535998			
Frequency (MHz)				2606.02	2592.99	2679.99			
20	QPSK	1	1	24.61	24.83	24.85	26.1	0.0	

n48 DSI6_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)				3370	3624.99	3679.98			
40	PI2 BPSK	1	1	19.57	19.78	19.59			
40	PI2 BPSK	1	53	19.78	19.49	19.72	20.4	0.0	
40	PI2 BPSK	1	104	19.10	19.70	19.72			
40	PI2 BPSK	50	0	19.88	19.84	19.59	20.4	0.0	
40	PI2 BPSK	50	26	19.40	19.71	19.79	20.4	0.0	
40	PI2 BPSK	50	56	19.17	19.26	19.53	20.4	0.0	
40	PI2 BPSK	100	0	19.59	19.80	19.60			
40	QPSK	1	1	19.90	20.06	19.78			
40	QPSK	1	53	19.69	19.79	19.65	20.4	0.0	
40	QPSK	1	104	19.26	19.68	19.66			
40	QPSK	50	0	19.48	19.49	18.95	20.4	0.0	
40	QPSK	50	28	19.88	19.86	19.52	20.4	0.0	
40	QPSK	50	56	19.35	19.65	19.67	20.4	0.0	
40	QPSK	100	0	19.63	19.82	19.71			
40	16QAM	1	1	19.22	19.81	19.81	20.4	0.0	
40	64QAM	1	1	19.51	19.78	19.36	20.4	0.0	
40	256QAM	1	1	19.26	19.67	19.43	19.0	0.0	
Channel				637000	641666	645000			
Frequency (MHz)				3665.02	3624.99	3684.99			
30	QPSK	1	1	19.78	19.64	19.63	20.4	0.0	
Channel				637004	641666	646000			
Frequency (MHz)				3662.01	3624.99	3690			
20	QPSK	1	1	19.51	19.80	19.67	20.4	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3556	3624.99	3694.98			
10	QPSK	1	1	19.06	19.67	19.68	20.4	0.0	



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 650000	Power Middle Ch. F.Freq. 656000	Power High Ch. F.Freq. 663000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.59	19.66	19.63		
100	PI2 BPSK	1	137	19.67	19.70	19.59	20.9	0.0
100	PI2 BPSK	1	271	19.39	19.49	19.43		
100	PI2 BPSK	135	0	19.62	19.69	19.62	20.9	0.0
100	PI2 BPSK	135	69	19.51	19.65	19.61		
100	PI2 BPSK	135	138	19.40	19.54	19.39	20.9	0.0
100	PI2 BPSK	270	0	19.53	19.64	19.59		
100	QPSK	1	1	19.59	19.71	19.56		
100	QPSK	1	137	19.55	19.62	19.55	20.9	0.0
100	QPSK	1	271	19.30	19.41	19.32		
100	QPSK	135	0	19.54	19.62	19.59	20.9	0.0
100	QPSK	135	69	19.56	19.67	19.50	20.9	0.0
100	QPSK	135	138	19.49	19.52	19.49	20.9	0.0
100	QPSK	270	0	19.47	19.52	19.57		
100	16QAM	1	1	19.52	19.58	19.43	20.9	0.0
100	64QAM	1	1	19.47	19.50	19.47	20.9	0.0
100	256QAM	1	1	19.40	19.54	19.46	19.5	1.4
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.52	19.64	19.51	20.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.48	19.54	19.41	20.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.44	19.51	19.47	20.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.54	19.55	19.44	20.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.44	19.55	19.49	20.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.52	19.62	19.45	20.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.43	19.54	19.50	20.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.47	19.57	19.46	20.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.54	19.58	19.48	20.9	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.54	19.67	19.47	20.9	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 650000	Power Middle Ch. F.Freq. 656000	Power High Ch. F.Freq. 663000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.47	22.57	22.54		
100	PI2 BPSK	1	137	22.51	22.55	22.51	23.9	0.0
100	PI2 BPSK	1	271	22.34	22.48	22.35		
100	PI2 BPSK	135	0	22.37	22.52	22.45	23.9	0.0
100	PI2 BPSK	135	69	22.29	22.45	22.41	23.9	0.0
100	PI2 BPSK	135	138	22.39	22.51	22.39	23.9	0.0
100	PI2 BPSK	270	0	22.45	22.54	22.37		
100	QPSK	1	1	22.55	22.62	22.47		
100	QPSK	1	137	22.47	22.53	22.39	23.9	0.0
100	QPSK	1	271	22.56	22.58	22.50		
100	QPSK	135	0	22.38	22.52	22.47	23.9	0.0
100	QPSK	135	69	22.47	22.59	22.44	23.9	0.0
100	QPSK	135	138	22.45	22.50	22.45	23.9	0.0
100	QPSK	270	0	22.42	22.53	22.39		
100	16QAM	1	1	22.44	22.57	22.46	23.9	0.0
100	64QAM	1	1	22.40	22.45	22.41	23.9	0.0
100	256QAM	1	1	22.13	22.20	21.88	23.0	0.8
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.48	22.47	22.41	23.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.43	22.58	22.41	23.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.48	22.57	22.35	23.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.49	22.60	22.31	23.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.41	22.56	22.45	23.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.46	22.58	22.38	23.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.49	22.50	22.41	23.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.50	22.51	22.37	23.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.46	22.48	22.40	23.9	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.53	22.58	22.37	23.9	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. 633000	Power Middle Ch. F.Freq. 633334	Power High Ch. F.Freq. 633534	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.58		3500.01		
100	PI2 BPSK	1	137	19.91			20.9	0.0
100	PI2 BPSK	1	271	19.93				
100	PI2 BPSK	135	0	20.00			20.9	0.0
100	PI2 BPSK	135	69	19.92			20.9	0.0
100	PI2 BPSK	135	138	19.98			20.9	0.0
100	PI2 BPSK	270	0	19.99				
100	QPSK	1	1	20.05				
100	QPSK	1	137	19.89			20.9	0.0
100	QPSK	1	271	19.91				
100	QPSK	135	0	19.95			20.9	0.0
100	QPSK	135	69	19.96			20.9	0.0
100	QPSK	135	138	19.95			20.9	0.0
100	QPSK	270	0	19.98				
100	16QAM	1	1	19.97			20.9	0.0
100	64QAM	1	1	19.89			20.9	0.0
100	256QAM	1	1	19.86			19.5	1.4
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.98	20.01	19.95	20.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.98	19.99	20.02	20.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.01	20.03	20.02	20.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.95	19.95	19.98	20.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.96	19.98	19.95	20.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.92	19.98	19.95	20.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.92	19.92	19.92	20.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.99	19.94	19.95	20.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.96	19.91	20.00	20.9	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.93	19.95	20.01	20.9	0.0



Part27Q n77 PC2 DSI6_Standalone Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		3500.01				
100	PI2 BPSK	1	137		23.03				
100	PI2 BPSK	1	271		23.01			23.9	0.0
100	PI2 BPSK	135	0		23.09				
100	PI2 BPSK	135	69		23.11			23.9	0.0
100	PI2 BPSK	135	138		23.15			23.9	0.0
100	PI2 BPSK	270	0		23.11			23.9	0.0
100	PI2 BPSK	270	0		23.07				
100	QPSK	1	1		23.17				
100	QPSK	1	137		23.09			23.9	0.0
100	QPSK	1	271		23.08				
100	QPSK	135	0		23.10			23.9	0.0
100	QPSK	135	69		23.14			23.9	0.0
100	QPSK	135	138		23.03			23.9	0.0
100	QPSK	270	0		23.12			23.9	0.0
100	16QAM	1	1		23.08			23.9	0.0
100	64QAM	1	1		23.07			23.9	0.0
100	256QAM	1	1		22.46			23.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
				3495	3500.01	3505.02			
				23.01	23.04	23.12		23.9	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)	
				3498.02	3500.01	3502			
				23.11	23.02	23.03		23.9	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3500.01	3515.01			
				23.12	23.10	23.14		23.9	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
				3480	3500.01	3520.02			
				23.06	23.00	23.01		23.9	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3500.01	3525			
				23.08	23.12	23.06		23.9	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3500.01	3530.01			
				23.04	23.03	23.06		23.9	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
				3465	3500.01	3535.02			
				23.13	23.13	23.12		23.9	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	630688	633334	635999	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3500.01	3540			
				23.08	23.03	23.05		23.9	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	630300	633334	636308	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3500.01	3542.50			
				23.11	23.00	23.04		23.9	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3500.01	3545.01			
				23.11	23.06	23.05		23.9	0.0



Part270 n78 DSI6_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	19.64	19.57	19.50	20.9	0.0
100	PI2 BPSK	1	137	19.57	19.50	19.43	20.9	0.0
100	PI2 BPSK	1	271	19.50	19.43	19.36	20.9	0.0
100	PI2 BPSK	135	0	19.63	19.56	19.49	20.9	0.0
100	PI2 BPSK	135	69	19.57	19.50	19.43	20.9	0.0
100	PI2 BPSK	135	138	19.52	19.45	19.38	20.9	0.0
100	PI2 BPSK	270	0	19.53	19.46	19.39	20.9	0.0
100	QPSK	1	1	19.68	19.61	19.54	20.9	0.0
100	QPSK	1	137	19.61	19.54	19.47	20.9	0.0
100	QPSK	1	271	19.54	19.47	19.40	20.9	0.0
100	QPSK	135	0	19.52	19.45	19.38	20.9	0.0
100	QPSK	135	69	19.64	19.57	19.50	20.9	0.0
100	QPSK	135	138	19.57	19.50	19.43	20.9	0.0
100	QPSK	270	0	19.58	19.51	19.44	20.9	0.0
100	16QAM	1	1	19.60	19.53	19.46	20.9	0.0
100	64QAM	1	1	19.56	19.49	19.42	20.9	0.0
100	256QAM	1	1	19.44	19.37	19.30	19.4	0.0
Channel								
Frequency (MHz)				64998	65000	65002	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01	20.9	0.0
Channel								
Frequency (MHz)				64934	65000	65066	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3749.01	3750	3750.99	20.9	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3745.02	3750	3755.01	20.9	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3750	3770.01	20.9	0.0
Channel								
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3725.01	3750	3775.02	20.9	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3715.02	3750	3785.01	20.9	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3705.01	3750	3795.02	20.9	0.0
Channel								
Frequency (MHz)				64634	65000	65366	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3701.01	3750	3799.02	20.9	0.0
Channel								
Frequency (MHz)				64568	65000	65434	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3691.01	3750	3809.01	20.9	0.0
Channel								
Frequency (MHz)				64500	65000	65500	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	3681.01	3750	3819.01	20.9	0.0

Part270 n78 PC2 DSI6_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	22.42	22.35	22.28	23.9	0.0
100	PI2 BPSK	1	137	22.35	22.28	22.21	23.9	0.0
100	PI2 BPSK	1	271	22.28	22.21	22.14	23.9	0.0
100	PI2 BPSK	135	0	22.53	22.46	22.39	23.9	0.0
100	PI2 BPSK	135	69	22.48	22.41	22.34	23.9	0.0
100	PI2 BPSK	135	138	22.55	22.48	22.41	23.9	0.0
100	PI2 BPSK	270	0	22.53	22.46	22.39	23.9	0.0
100	QPSK	1	1	22.59	22.52	22.45	23.9	0.0
100	QPSK	1	137	22.47	22.40	22.33	23.9	0.0
100	QPSK	1	271	22.45	22.38	22.31	23.9	0.0
100	QPSK	135	0	22.44	22.37	22.30	23.9	0.0
100	QPSK	135	69	22.56	22.49	22.42	23.9	0.0
100	QPSK	135	138	22.43	22.36	22.29	23.9	0.0
100	QPSK	270	0	22.42	22.35	22.28	23.9	0.0
100	16QAM	1	1	22.45	22.38	22.31	23.9	0.0
100	64QAM	1	1	22.41	22.34	22.27	23.9	0.0
100	256QAM	1	1	22.18	22.11	22.04	23.0	0.8
Channel								
Frequency (MHz)				64998	65000	65002	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01	23.9	0.0
Channel								
Frequency (MHz)				64934	65000	65066	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3749.01	3750	3750.99	23.9	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3745.02	3750	3755.01	23.9	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3750	3770.01	23.9	0.0
Channel								
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3725.01	3750	3775.02	23.9	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3715.02	3750	3785.01	23.9	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3705.01	3750	3795.02	23.9	0.0
Channel								
Frequency (MHz)				64634	65000	65366	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3701.01	3750	3799.02	23.9	0.0
Channel								
Frequency (MHz)				64568	65000	65434	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3691.01	3750	3809.01	23.9	0.0
Channel								
Frequency (MHz)				64500	65000	65500	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	3681.01	3750	3819.01	23.9	0.0

Part27Q n78 DSI6_Standalone Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	19.92	19.85	19.78	20.9	0.0
100	PI2 BPSK	1	137	19.85	19.78	19.71	20.9	0.0
100	PI2 BPSK	1	271	19.78	19.71	19.64	20.9	0.0
100	PI2 BPSK	135	0	19.85	19.78	19.71	20.9	0.0
100	PI2 BPSK	135	69	19.96	19.89	19.82	20.9	0.0
100	PI2 BPSK	135	138	19.94	19.87	19.80	20.9	0.0
100	PI2 BPSK	270	0	19.89	19.82	19.75	20.9	0.0
100	QPSK	1	1	19.99	19.92	19.85	20.9	0.0
100	QPSK	1	137	19.92	19.85	19.78	20.9	0.0
100	QPSK	1	271	19.85	19.78	19.71	20.9	0.0
100	QPSK	135	0	19.83	19.76	19.69	20.9	0.0
100	QPSK	135	69	19.94	19.87	19.80	20.9	0.0
100	QPSK	135	138	19.86	19.79	19.72	20.9	0.0
100	QPSK	270	0	19.83	19.76	19.69	20.9	0.0
100	16QAM	1	1	19.87	19.80	19.73	20.9	0.0
100	64QAM	1	1	19.82	19.75	19.68	20.9	0.0
100	256QAM	1	1	19.90	19.83	19.76	19.8	1.4
Channel								
Frequency (MHz)				63300	63354	63398	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	20.9	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3499.02	3500.01	3501.01	20.9	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3495.01	3500.01	3505.01	20.9	0.0
Channel								
Frequency (MHz)				63166	63254	63300	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3490	3500.01	3510.02	20.9	0.0
Channel								
Frequency (MHz)				63100	63254	63354	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3486	3500.01	3516.02	20.9	0.0
Channel								
Frequency (MHz)				63034	63254	63354	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3482.01	3500.01	3512.01	20.9	0.0
Channel								
Frequency (MHz)				62968	63254	63354	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3478.02	3500.01	3518.01	20.9	0.0
Channel								
Frequency (MHz)				62902	63254	63354	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3474.02	3500.01	3524.01	20.9	0.0
Channel								
Frequency (MHz)				62836	63254	63354	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3470.02	3500.01	3530.01	20.9	0.0
Channel								
Frequency (MHz)				62770	63254	63354	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	3466.02	3500.01	3536.01	20.9	0.0



Part27Q n78 PC2 DSI6_Standalone Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		23.06		23.9	0.0
100	PI2 BPSK	1	271		22.99			
100	PI2 BPSK	135	0		23.06			
100	PI2 BPSK	135	69		22.98		23.9	0.0
100	PI2 BPSK	135	138		22.99		23.9	0.0
100	PI2 BPSK	270	0		23.05		23.9	0.0
100	PI2 BPSK	270	0		22.98			
100	QPSK	1	1		23.10			
100	QPSK	1	197		23.00		23.9	0.0
100	QPSK	1	271		22.94			
100	QPSK	135	0		23.05		23.9	0.0
100	QPSK	135	69		23.07		23.9	0.0
100	QPSK	135	138		22.99		23.9	0.0
100	QPSK	270	0		23.01		23.9	0.0
100	16QAM	1	1		23.04		23.9	0.0
100	64QAM	1	1		22.98		23.9	0.0
100	256QAM	1	1		22.62		23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
				23.00	22.04	22.99	23.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3503.03	3510		
				22.96	23.06	22.97	23.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
				23.05	23.02	22.99	23.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
				23.01	23.03	23.08	23.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
				22.99	23.06	22.96	23.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
				23.00	23.00	23.06	23.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
				22.96	23.06	22.96	23.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
				22.98	23.03	22.96	23.9	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
				22.95	22.99	23.06	23.9	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3540.01		
				23.03	22.98	22.94	23.9	0.0



Reduced Power Mode for DSI6-Simultaneous

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									
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	22.93	23.07	22.99			
20	PI2 BPSK	1	53	22.79	22.98	22.82	24.0	0.0	
20	PI2 BPSK	1	104	22.85	22.92	22.90			
20	PI2 BPSK	50	0	22.79	22.95	22.91	24.0	0.0	
20	PI2 BPSK	50	28	22.94	22.96	23.02	24.0	0.0	
20	PI2 BPSK	50	56	22.90	22.92	22.82			
20	PI2 BPSK	100	0	22.81	22.90	22.89	24.0	0.0	
20	QPSK	1	1	22.98	23.14	23.07			
20	QPSK	1	53	22.98	23.09	23.00	24.0	0.0	
20	QPSK	1	104	22.87	22.95	22.87			
20	QPSK	50	0	22.92	22.93	22.84	24.0	0.0	
20	QPSK	50	28	22.93	23.06	22.87	24.0	0.0	
20	QPSK	50	56	22.93	22.99	22.84	24.0	0.0	
20	QPSK	100	0	22.93	23.00	22.87			
20	16QAM	1	1	22.74	22.86	22.71	24.0	0.0	
20	16QAM	1	1	21.76	21.88	21.83	23.0	1.0	
20	256QAM	1	1	20.21	20.32	20.24	21.0	3.0	
Channel									
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	1852.5	1860	1862.5	24.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	1855	1860	1865	24.0	0.0	
Channel									
Frequency (MHz)				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	1852.5	1860	1867.5	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									
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.09	23.19	23.14			
20	PI2 BPSK	1	53	22.97	23.04	22.94	24.0	0.0	
20	PI2 BPSK	1	104	22.84	22.96	22.90			
20	PI2 BPSK	50	0	23.00	23.08	22.96	24.0	0.0	
20	PI2 BPSK	50	28	23.09	23.14	23.10	24.0	0.0	
20	PI2 BPSK	50	56	22.93	22.96	22.92			
20	PI2 BPSK	100	0	22.94	23.00	22.90	24.0	0.0	
20	QPSK	1	1	23.13	23.22	23.16			
20	QPSK	1	53	23.09	23.19	23.11	24.0	0.0	
20	QPSK	1	104	23.02	23.06	22.91			
20	QPSK	50	0	22.91	22.96	22.89	24.0	0.0	
20	QPSK	50	28	23.09	23.16	23.12	24.0	0.0	
20	QPSK	50	56	22.97	23.02	22.87	24.0	0.0	
20	QPSK	100	0	23.01	23.14	23.07			
20	16QAM	1	1	23.02	23.08	22.95	24.0	0.0	
20	16QAM	1	1	22.97	22.71	22.58	24.0	0.0	
20	256QAM	1	1	21.90	22.04	21.94	23.0	3.0	
Channel									
Frequency (MHz)				168300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	831.5	836.5	841.5	24.0	0.0	
Channel									
Frequency (MHz)				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	829	836.5	844	24.0	0.0	
Channel									
Frequency (MHz)				169300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	826.5	836.5	846.5	24.0	0.0	

n7 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									
Frequency (MHz)				2500	2535	2560			
40	PI2 BPSK	1	1	21.84	21.90	21.78			
40	PI2 BPSK	1	108	21.76	21.87	21.83	23.0	0.0	
40	PI2 BPSK	1	214	21.81	21.88	21.74			
40	PI2 BPSK	108	0	21.68	21.76	21.69	23.0	0.0	
40	PI2 BPSK	108	54	21.84	21.91	21.87	23.0	0.0	
40	PI2 BPSK	108	108	21.69	21.75	21.72	23.0	0.0	
40	PI2 BPSK	216	0	21.81	21.83	21.74			
40	QPSK	1	1	21.95	21.98	21.83			
40	QPSK	1	108	21.83	21.96	21.81	23.0	0.0	
40	QPSK	1	214	21.89	21.97	21.90			
40	QPSK	108	0	21.74	21.86	21.78	23.0	0.0	
40	QPSK	108	54	21.78	21.95	21.83	23.0	0.0	
40	QPSK	108	108	21.85	21.89	21.82	23.0	0.0	
40	QPSK	216	0	21.80	21.92	21.77			
40	16QAM	1	1	21.80	21.84	21.74	23.0	0.0	
40	16QAM	1	1	21.05	21.14	21.09	22.0	1.0	
40	256QAM	1	1	19.15	19.22	19.08	20.0	3.0	
Channel									
Frequency (MHz)				509000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	2515	2535	2555	23.0	0.0	
Channel									
Frequency (MHz)				509500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	2512.5	2535	2557.5	23.0	0.0	
Channel									
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	21.84	21.86	21.68	23.0	0.0	
Channel									
Frequency (MHz)				501300	507000	512500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	2456	2535	2592.5	23.0	0.0	
Channel									
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	2456	2535	2592.5	23.0	0.0	
Channel									
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	2457.5	2535	2597.5	23.0	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									
Frequency (MHz)									
15	PI2 BPSK	1	1	23.05	23.11	22.97			
15	PI2 BPSK	1	40	22.84	22.82	22.80	24.0	0.0	
15	PI2 BPSK	1	77	22.75	22.80	22.74			
15	PI2 BPSK	36	0	22.96	23.01	22.96	24.0	0.0	
15	PI2 BPSK	36	22	23.01	23.06	22.94	24.0	0.0	
15	PI2 BPSK	36	43	22.90	22.96	22.88			
15	PI2 BPSK	75	0	22.90	23.02	22.96	24.0	0.0	
15	QPSK	1	1	23.13	23.19	23.12			
15	QPSK	1	40	23.07	23.12	23.08	24.0	0.0	
15	QPSK	1	77	22.87	22.95	22.90			
15	QPSK	36	0	22.92	23.01	22.99	24.0	0.0	
15	QPSK	36	22	22.97	23.06	22.97	24.0	0.0	
15	QPSK	36	43	22.94	22.99	22.89			
15	QPSK	75	0	22.89	23.01	22.90			
15	16QAM	1	1	23.07	23.11	23.07	24.0	0.0	
15	16QAM	1	1	22.01	22.11	22.03	23.0	1.0	
15	256QAM	1	1	20.14	20.28	20.17	21.0	3.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	704	707.5	711	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	701.5	707.5	713.5	24.0	0.0	

n13 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									
Frequency (MHz)									
10	PI2 BPSK	1	1		23.18				
10	PI2 BPSK	1	26		23.13		24.0	0.0	
10	PI2 BPSK	1	50		23.05				
10	PI2 BPSK	25	0		22.97		23.5	0.5	
10	PI2 BPSK	25	14		23.15		24.0	0.0	
10	PI2 BPSK	25	27		23.01				
10	PI2 BPSK	50	0		23.11		23.5	0.5	
10	QPSK	1	1		23.29				
10	QPSK	1	26		23.19		24.0	0.0	
10	QPSK	1	50		23.13				
10	QPSK	25	0		22.46		23.0	1.0	
10	QPSK	25	14		23.19		24.0	0.0	
10	QPSK	25	27		22.97				
10	QPSK	50	0		22.58		23.0	1.0	
10	16QAM	1	1		21.67		21.0	1.0	
10	16QAM	1	1		20.78		21.5	2.5	
10	256QAM	1	1		19.36		19.5	4.5	
Channel									
Frequency (MHz)									
5	QPSK	1	1	2320	2326	2322	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									
Frequency (MHz)									
10	PI2 BPSK	1	1		23.37				
10	PI2 BPSK	1	26		23.28		24.0	0.0	
10	PI2 BPSK	1	50		23.33				
10	PI2 BPSK	25	0		23.28		24.0	0.0	
10	PI2 BPSK	25	14		23.35		24.0	0.0	
10	PI2 BPSK	25	27		23.28				
10	PI2 BPSK	50	0		23.31		24.0	0.0	
10	QPSK	1	1		23.43				
10	QPSK	1	26		23.31		24.0	0.0	
10	QPSK	1	50		23.36				
10	QPSK	25	0		23.31		24.0	0.0	
10	QPSK	25	14		23.35		24.0	0.0	
10	QPSK	25	27		23.26				
10	QPSK	50	0		23.33		24.0	0.0	
10	16QAM	1	1		23.22		24.0	0.0	
10	16QAM	1	1		22.17		23.0	1.0	
10	256QAM	1	1		20.40		21.0	3.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	2332	2340	2330	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				374200	376900	379600			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	23.00	23.13	23.12			
40	PI2 BPSK	1	108	22.91	23.11	22.94	24.0	0.0	
40	PI2 BPSK	1	214	22.98	23.08	23.02			
40	PI2 BPSK	108	0	22.95	23.08	23.08	24.0	0.0	
40	PI2 BPSK	108	84	23.04	23.11	23.14	24.0	0.0	
40	PI2 BPSK	108	108	22.96	23.07	22.93			
40	PI2 BPSK	216	0	22.98	22.98	23.05	24.0	0.0	
40	QPSK	1	1	23.08	23.25	23.21			
40	QPSK	1	108	23.11	23.15	23.10	24.0	0.0	
40	QPSK	1	214	23.02	23.06	23.00			
40	QPSK	108	0	22.98	23.03	22.91	24.0	0.0	
40	QPSK	108	84	23.02	23.16	22.97	24.0	0.0	
40	QPSK	108	108	22.98	23.08	22.83	24.0	0.0	
40	QPSK	216	0	23.04	23.12	23.04			
40	16QAM	1	1	23.08	23.21	23.18	24.0	0.0	
40	64QAM	1	1	22.05	22.13	22.08	23.0	1.0	
40	256QAM	1	1	20.89	20.74	20.63	21.0	3.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	22.92	23.11	23.06	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	23.02	23.14	23.10	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	22.89	23.19	23.08	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1858	1882.5	1910			
15	QPSK	1	1	22.93	23.20	23.06	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1856	1882.5	1912			
10	QPSK	1	1	22.95	23.21	23.17	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	22.90	23.17	23.14	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				164800	166300	167800			
Frequency (MHz)				854	831.5	839			
20	PI2 BPSK	1	1	23.38	23.40	23.33			
20	PI2 BPSK	1	53	23.05	23.15	23.06	24.0	0.0	
20	PI2 BPSK	1	104	23.02	23.11	23.05			
20	PI2 BPSK	50	0	23.19	23.23	23.17	24.0	0.0	
20	PI2 BPSK	50	28	23.25	23.31	23.18	24.0	0.0	
20	PI2 BPSK	50	56	23.02	23.15	23.08			
20	PI2 BPSK	100	0	23.17	23.28	23.22	24.0	0.0	
20	QPSK	1	1	23.43	23.49	23.38			
20	QPSK	1	53	23.29	23.40	23.32	24.0	0.0	
20	QPSK	1	104	23.27	23.34	23.22			
20	QPSK	50	0	23.24	23.31	23.16	24.0	0.0	
20	QPSK	50	28	23.39	23.43	23.32	24.0	0.0	
20	QPSK	50	56	23.20	23.31	23.28	24.0	0.0	
20	QPSK	100	0	23.31	23.38	23.26			
20	16QAM	1	1	23.24	23.32	23.22	24.0	0.0	
20	64QAM	1	1	22.31	22.43	22.30	23.0	1.0	
20	256QAM	1	1	20.40	20.51	20.37	21.0	3.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	23.33	23.30	23.33	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	23.31	23.29	23.25	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	23.30	23.43	23.32	24.0	0.0	



n30 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									
Frequency (MHz)									
2310									
10	PI2 BPSK	1	1	22.91			24.0	0.0	
10	PI2 BPSK	1	26	22.89					
10	PI2 BPSK	1	50	22.82					
10	PI2 BPSK	25	0	22.91			24.0	0.0	
10	PI2 BPSK	25	14	22.92			24.0	0.0	
10	PI2 BPSK	25	27	22.87			24.0	0.0	
10	PI2 BPSK	50	0	22.81			24.0	0.0	
10	QPSK	1	1	23.03			24.0	0.0	
10	QPSK	1	26	22.91					
10	QPSK	1	50	22.90					
10	QPSK	25	0	22.80			24.0	0.0	
10	QPSK	25	14	22.93			24.0	0.0	
10	QPSK	25	27	22.89			24.0	0.0	
10	QPSK	50	0	22.90			24.0	0.0	
10	16QAM	1	1	22.86			24.0	0.0	
10	64QAM	1	1	22.17			23.0	1.0	
10	256QAM	1	1	20.17			21.0	3.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2287.5	2310	2332.5	24.0	0.0	
5	QPSK	1	1	22.53	22.90	22.91	24.0	0.0	

n66 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									
Frequency (MHz)									
1730 1745 1760									
40	PI2 BPSK	1	1	23.18	23.29	23.32	24.0	0.0	
40	PI2 BPSK	1	108	23.07	23.36	23.14			
40	PI2 BPSK	1	214	23.29	23.14	23.27			
40	PI2 BPSK	108	0	23.17	23.27	23.23	24.0	0.0	
40	PI2 BPSK	108	54	23.22	23.36	23.40	24.0	0.0	
40	PI2 BPSK	108	108	23.18	23.33	23.13	24.0	0.0	
40	PI2 BPSK	216	0	23.04	23.22	23.21	24.0	0.0	
40	QPSK	1	1	23.28	23.45	23.40	24.0	0.0	
40	QPSK	1	108	23.37	23.34	23.27			
40	QPSK	1	214	23.28	23.28	23.25			
40	QPSK	108	0	23.16	23.18	23.13	24.0	0.0	
40	QPSK	108	54	23.22	23.39	23.24	24.0	0.0	
40	QPSK	108	108	23.15	23.29	23.16	24.0	0.0	
40	QPSK	216	0	23.21	23.35	23.22	24.0	0.0	
40	16QAM	1	1	22.70	22.48	22.63	24.0	0.0	
40	64QAM	1	1	21.92	21.37	21.54	23.0	1.0	
40	256QAM	1	1	20.38	20.24	20.44	21.0	3.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	24.0	0.0	
30	QPSK	1	1	23.16	23.39	23.35	24.0	0.0	
Channel									
Frequency (MHz)									
1720 1745 1770									
20	QPSK	1	1	23.13	23.41	23.36	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0	
15	QPSK	1	1	23.22	23.37	23.33	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24.0	0.0	
10	QPSK	1	1	23.22	23.34	23.28	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0	
5	QPSK	1	1	23.14	23.38	23.30	24.0	0.0	

n70 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									
Frequency (MHz)									
1702.5									
15	PI2 BPSK	1	1	20.88			22.0	0.0	
15	PI2 BPSK	1	40	20.92					
15	PI2 BPSK	1	77	20.96					
15	PI2 BPSK	36	0	20.74			22.0	0.0	
15	PI2 BPSK	36	22	20.83			22.0	0.0	
15	PI2 BPSK	36	43	20.77			22.0	0.0	
15	PI2 BPSK	75	0	20.81			22.0	0.0	
15	QPSK	1	1	21.00			22.0	0.0	
15	QPSK	1	40	20.98					
15	QPSK	1	77	20.84					
15	QPSK	36	0	20.79			21.0	1.0	
15	QPSK	36	22	20.92			22.0	0.0	
15	QPSK	36	43	20.87			21.0	1.0	
15	QPSK	75	0	20.78			21.0	1.0	
15	16QAM	1	1	19.65			21.0	1.0	
15	64QAM	1	1	18.01			19.5	2.5	
15	256QAM	1	1	16.67			17.5	4.5	
Channel				349000	349500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	22.0	0.0	
10	QPSK	1	1	20.95	20.91	20.88	22.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	22.0	0.0	
5	QPSK	1	1	20.89	20.96	20.89	22.0	0.0	



n71 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				134000	134100	134200		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	23.27	23.32	23.24	24.0	0.0
20	PI2 BPSK	1	53	23.19	23.28	23.17		
20	PI2 BPSK	1	104	23.09	23.22	23.19		
20	PI2 BPSK	50	0	23.16	23.26	23.18	24.0	0.0
20	PI2 BPSK	50	28	23.21	23.29	23.17	24.0	0.0
20	PI2 BPSK	50	56	23.03	23.18	23.14	24.0	0.0
20	PI2 BPSK	100	0	23.10	23.22	23.09		
20	QPSK	1	1	23.27	23.38	23.34		
20	QPSK	1	53	23.17	23.31	23.26	24.0	0.0
20	QPSK	1	104	23.18	23.29	23.23		
20	QPSK	50	0	23.11	23.23	23.11		
20	QPSK	50	28	23.20	23.33	23.21	24.0	0.0
20	QPSK	50	56	23.13	23.23	23.11	24.0	0.0
20	QPSK	100	0	23.14	23.26	23.14		
20	QAM	1	1	22.76	22.86	22.84		
20	QAM	1	1	22.10	22.19	22.12	23.0	1.0
20	256QAM	1	1	20.83	20.57	20.49	21.0	3.0
Channel				134100	138100	138100	Tune-up limit	MPR
Frequency (MHz)				673.5	680.5	687.5	(dBm)	(dB)
15	QPSK	1	1	23.15	23.35	23.20	24.0	0.0
Channel				133900	138100	138600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	23.12	23.33	23.28	24.0	0.0
Channel				133100	133100	133100	Tune-up limit	MPR
Frequency (MHz)				666.5	680.5	686.5	(dBm)	(dB)
5	QPSK	1	1	23.19	23.27	23.21	24.0	0.0



n38 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				516004	516000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	20.71	20.90	20.78		
40	PI2 BPSK	1	53	20.67	20.86	20.70	22.3	0.0
40	PI2 BPSK	1	104	20.65	20.82	20.71		
40	PI2 BPSK	50	0	20.78	20.75	20.58	22.3	0.0
40	PI2 BPSK	50	28	20.96	20.76	20.86	22.3	0.0
40	PI2 BPSK	50	56	20.53	20.74	20.60		
40	PI2 BPSK	100	0	20.54	20.76	20.62	22.3	0.0
40	QPSK	1	1	20.75	21.11	20.96		
40	QPSK	1	53	20.76	20.95	20.79	22.3	0.0
40	QPSK	1	104	20.87	20.73	20.72		
40	QPSK	50	0	20.60	20.82	20.70	22.3	0.0
40	QPSK	50	28	20.81	20.87	20.74	22.3	0.0
40	QPSK	50	56	20.76	20.80	20.75	22.3	0.0
40	QPSK	100	0	20.77	20.80	20.62		
40	16QAM	1	1	20.96	20.88	20.79	22.3	0.0
40	64QAM	1	1	20.41	20.53	20.38	21.5	0.8
40	256QAM	1	1	18.72	18.72	18.64	18.5	2.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2585	2584.99		
30	QPSK	1	1	20.71	21.08	20.94	22.3	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2682.82	2585	2607.88		
25	QPSK	1	1	20.72	21.08	20.95	22.3	0.0
Channel				516000	516000	520000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	20.68	21.08	20.83	22.3	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2585	2612.49		
15	QPSK	1	1	20.72	21.04	20.90	22.3	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2585	2614.98		
10	QPSK	1	1	20.71	21.07	20.92	22.3	0.0

n41 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				506002	518598	528000		
Frequency (MHz)				2546.01	2522.99	2540		
100	PI2 BPSK	1	1	20.81	21.00	20.82		
100	PI2 BPSK	1	137	20.79	20.97	20.98	22.3	0.0
100	PI2 BPSK	1	271	20.75	20.93	20.77		
100	PI2 BPSK	135	0	20.87	21.04	20.74	22.3	0.0
100	PI2 BPSK	135	69	21.01	20.83	20.88	22.3	0.0
100	PI2 BPSK	135	138	20.75	20.95	20.82		
100	PI2 BPSK	270	0	20.32	20.39	20.35	22.3	0.0
100	QPSK	1	1	20.86	21.15	20.95		
100	QPSK	1	137	20.85	20.95	20.83	22.3	0.0
100	QPSK	1	271	20.85	20.89	20.89		
100	QPSK	135	0	20.91	21.00	20.90	22.0	0.3
100	QPSK	135	69	20.89	21.02	20.95	22.3	0.0
100	QPSK	135	138	20.88	21.01	20.83	22.0	0.3
100	QPSK	270	0	20.80	20.94	20.81	22.0	0.3
100	16QAM	1	1	20.97	21.03	20.89	22.0	0.3
100	64QAM	1	1	19.02	18.16	19.03	20.5	1.8
100	256QAM	1	1	17.45	17.23	17.43	18.5	3.0
Channel				505500	518598	529596		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.72	20.93	20.66	22.3	0.0
Channel				507204	518598	529596		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	20.68	21.04	20.78	22.3	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.62	20.87	20.74	22.3	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.57	21.04	20.67	22.3	0.0
Channel				504204	518598	532996		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.78	21.04	20.74	22.3	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2669		
40	QPSK	1	1	20.65	20.83	20.81	22.3	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.57	20.84	20.71	22.3	0.0
Channel				501204	518598	535996		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.67	21.06	20.69	22.3	0.0



n41 PC2 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq			
Channel				506002	518598	526000			
Frequency (MHz)				2346.01	2392.99	2340			
100	PI2 BPSK	1	1	23.92	23.82	23.89			
100	PI2 BPSK	1	137	23.75	23.96	23.74	25.3	0.0	
100	PI2 BPSK	1	271	23.69	23.77	23.69			
100	PI2 BPSK	135	0	23.57	23.86	23.68	25.3	0.0	
100	PI2 BPSK	135	69	23.71	23.85	23.76	25.3	0.0	
100	PI2 BPSK	135	138	23.58	23.63	23.74	25.3	0.0	
100	PI2 BPSK	270	0	23.78	23.70	23.82			
100	QPSK	1	1	23.82	23.96	23.86			
100	QPSK	1	137	23.66	23.86	23.67	25.3	0.0	
100	QPSK	1	271	23.81	23.71	23.65			
100	QPSK	135	0	23.81	23.83	23.87	25.3	0.0	
100	QPSK	135	69	23.90	24.00	23.69	25.3	0.0	
100	QPSK	135	138	23.74	23.63	23.86	25.3	0.0	
100	QPSK	270	0	23.52	23.51	23.39			
100	16QAM	1	1	23.63	23.69	23.82	25.3	0.0	
100	64QAM	1	1	22.57	22.62	22.52	24.0	1.3	
100	256QAM	1	1	20.16	20.30	20.15	22.0	3.3	
Channel				510000	518598	526000			
Frequency (MHz)				2341	2392.99	2344.98			
90	QPSK	1	1	23.66	23.86	23.61	25.3	0.0	
Channel				507204	518598	526998			
Frequency (MHz)				2338.02	2392.99	2343.99			
80	QPSK	1	1	23.55	23.88	23.77	25.3	0.0	
Channel				506002	518598	531000			
Frequency (MHz)				2331.01	2392.99	2365			
70	QPSK	1	1	23.54	23.74	23.71	25.3	0.0	
Channel				505000	518598	531998			
Frequency (MHz)				2326	2392.99	2369.98			
60	QPSK	1	1	23.74	23.75	23.65	25.3	0.0	
Channel				502004	518598	532000			
Frequency (MHz)				2321.02	2392.99	2364.99			
50	QPSK	1	1	23.72	23.74	23.59	25.3	0.0	
Channel				503002	518598	534000			
Frequency (MHz)				2316.01	2392.99	2360			
40	QPSK	1	1	23.56	23.74	23.67	25.3	0.0	
Channel				502000	518598	534998			
Frequency (MHz)				2311	2392.99	2374.98			
30	QPSK	1	1	23.74	23.75	23.64	25.3	0.0	
Channel				501004	518598	535998			
Frequency (MHz)				2306.02	2392.99	2379.98			
20	QPSK	1	1	23.70	23.68	23.62	25.3	0.0	

n48 Part96 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq			
Channel				638000	641666	645332			
Frequency (MHz)				3370	3624.99	3679.98			
40	PI2 BPSK	1	1	20.87	21.01	20.96			
40	PI2 BPSK	1	53	20.85	20.99	20.89	22.0	0.0	
40	PI2 BPSK	1	104	20.91	20.95	20.91			
40	PI2 BPSK	50	0	20.30	20.40	20.34	21.5	0.5	
40	PI2 BPSK	50	26	20.84	20.97	20.82	22.0	0.0	
40	PI2 BPSK	50	56	20.34	20.39	20.34	21.5	0.5	
40	PI2 BPSK	100	0	20.38	20.43	20.30			
40	QPSK	1	1	20.99	21.09	20.94			
40	QPSK	1	53	20.95	21.03	20.97	22.0	0.0	
40	QPSK	1	104	20.92	20.96	20.93			
40	QPSK	50	0	20.02	20.13	19.98	21.0	1.0	
40	QPSK	50	28	20.94	21.05	20.88	22.0	0.0	
40	QPSK	50	56	19.88	20.04	19.82	21.0	1.0	
40	QPSK	100	0	19.94	20.07	20.03			
40	16QAM	1	1	19.90	19.98	19.81	21.0	1.0	
40	64QAM	1	1	18.57	18.78	18.64	19.5	2.5	
40	256QAM	1	1	16.82	16.82	16.67	17.5	4.5	
Channel				637000	641666	646000			
Frequency (MHz)				3665.02	3634.99	3684.99			
30	QPSK	1	1	20.87	21.03	20.83	22.0	0.0	
Channel				637000	641666	646000			
Frequency (MHz)				3662.01	3624.99	3660			
20	QPSK	1	1	20.90	20.94	20.79	22.0	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3556	3634.99	3694.98			
10	QPSK	1	1	20.90	20.89	20.89	22.0	0.0	



Part270 n77 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								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.81	22.94	22.91		
100	Pl2 BPSK	1	137	22.94	23.02	22.97	24.0	0.0
100	Pl2 BPSK	1	271	22.77	22.89	22.77		
100	Pl2 BPSK	135	0	22.74	22.90	22.74	24.0	0.0
100	Pl2 BPSK	135	69	22.95	22.97	22.93	24.0	0.0
100	Pl2 BPSK	135	138	22.82	22.92	22.79	24.0	0.0
100	Pl2 BPSK	270	0	22.82	22.92	22.81	24.0	0.0
100	QPSK	1	1	22.88	23.06	23.04		
100	QPSK	1	137	22.86	22.86	22.83	24.0	0.0
100	QPSK	1	271	22.97	22.99	22.88		
100	QPSK	135	0	22.84	23.02	22.90	24.0	0.0
100	QPSK	135	69	22.92	23.03	22.90	24.0	0.0
100	QPSK	135	138	22.94	22.98	22.89	24.0	0.0
100	QPSK	270	0	22.94	22.90	22.77	24.0	0.0
100	16QAM	1	1	22.72	22.89	22.82	24.0	0.0
100	64QAM	1	1	21.85	21.97	21.86	23.0	1.0
100	256QAM	1	1	20.19	20.24	20.19	21.0	3.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.82	22.95	22.94	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.85	23.01	22.95	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	22.75	22.99	22.98	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	22.84	23.02	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
50	QPSK	1	1	22.81	22.96	22.99	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
40	QPSK	1	1	22.74	22.99	23.00	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
30	QPSK	1	1	22.71	22.98	22.93	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
20	QPSK	1	1	22.72	23.02	22.97	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
15	QPSK	1	1	22.75	23.03	22.88	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
10	QPSK	1	1	22.78	23.00	22.97	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	25.68	25.92	25.60		
100	Pl2 BPSK	1	137	25.77	26.00	25.98	27.0	0.0
100	Pl2 BPSK	1	271	25.88	26.07	26.03		
100	Pl2 BPSK	135	0	25.60	25.84	25.79	27.0	0.0
100	Pl2 BPSK	135	69	25.85	26.02	25.98	27.0	0.0
100	Pl2 BPSK	135	138	25.82	26.05	25.90	27.0	0.0
100	Pl2 BPSK	270	0	25.70	25.91	25.87	27.0	0.0
100	QPSK	1	1	25.80	26.13	26.08		
100	QPSK	1	137	25.74	26.02	25.81	27.0	0.0
100	QPSK	1	271	25.83	26.03	25.87		
100	QPSK	135	0	25.64	25.82	25.76	27.0	0.0
100	QPSK	135	69	25.96	26.10	26.00	27.0	0.0
100	QPSK	135	138	25.83	26.00	25.86	27.0	0.0
100	QPSK	270	0	25.77	25.97	25.81	27.0	0.0
100	16QAM	1	1	25.63	25.77	25.65	27.0	0.0
100	64QAM	1	1	25.07	25.24	25.16	26.5	0.5
100	256QAM	1	1	23.19	23.40	23.38	24.5	2.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.73	26.04	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	25.68	25.96	25.99	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
70	QPSK	1	1	25.66	25.97	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
60	QPSK	1	1	25.68	26.00	25.97	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.02		
50	QPSK	1	1	25.65	25.97	25.94	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
40	QPSK	1	1	25.73	26.02	26.05	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
30	QPSK	1	1	25.76	26.06	25.98	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
20	QPSK	1	1	25.73	26.01	25.93	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
15	QPSK	1	1	25.69	26.05	26.06	27.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
10	QPSK	1	1	25.77	25.98	26.06	27.0	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)						3500.01		
100	Pl2 BPSK	1	1			23.24		
100	Pl2 BPSK	1	137			23.32	24.0	0.0
100	Pl2 BPSK	1	271			23.26		
100	Pl2 BPSK	135	0			23.22	24.0	0.0
100	Pl2 BPSK	135	69			23.23	24.0	0.0
100	Pl2 BPSK	135	138			23.26	24.0	0.0
100	Pl2 BPSK	270	0			23.20	24.0	0.0
100	QPSK	1	1			23.36		
100	QPSK	1	137			23.28	24.0	0.0
100	QPSK	1	271			23.24		
100	QPSK	135	0			23.24	24.0	0.0
100	QPSK	135	69			23.29	24.0	0.0
100	QPSK	135	138			23.24	24.0	0.0
100	QPSK	270	0			23.23	24.0	0.0
100	16QAM	1	1			23.21	24.0	0.0
100	64QAM	1	1			22.32	23.0	1.0
100	256QAM	1	1			20.50	21.0	3.0
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				633068	633334	633600		
80	QPSK	1	1	23.28	23.24	23.26	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
70	QPSK	1	1	23.15	23.27	23.15	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
60	QPSK	1	1	23.20	23.23	23.15	24.0	0.0
Channel								
Frequency (MHz)				633165	633334	633500		
50	QPSK	1	1	23.22	23.32	23.19	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
40	QPSK	1	1	23.16	23.20	23.17	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	23.24	23.33	23.23	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
20	QPSK	1	1	23.17	23.26	23.18	24.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
15	QPSK	1	1	23.29	23.25	23.13	24.0	0.0
Channel								
Frequency (MHz)				633334	633334	633334		
10	QPSK	1	1	23.21	23.28	23.18	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		26.35			
100	PI2 BPSK	1	271		26.39		27.0	0.0
100	PI2 BPSK	135	0		26.38			
100	PI2 BPSK	135	69		26.33		27.0	0.0
100	PI2 BPSK	135	138		26.29		27.0	0.0
100	PI2 BPSK	270	0		26.35		27.0	0.0
100	PI2 BPSK	270	0		26.38			
100	QPSK	1	1		26.46			
100	QPSK	1	137		26.36			
100	QPSK	1	271		26.31		27.0	0.0
100	QPSK	135	0		26.29		27.0	0.0
100	QPSK	135	69		26.35		27.0	0.0
100	QPSK	135	138		26.26		27.0	0.0
100	QPSK	270	0		26.40			
100	16QAM	1	1		26.29		27.0	0.0
100	64QAM	1	1		26.06		26.5	0.5
100	256QAM	1	1		24.11		24.6	2.6
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	26.30	26.34	26.43	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3502		
80	QPSK	1	1	26.38	26.40	26.29	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.30	26.39	26.29	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	26.36	26.31	26.34	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631868	633334	633500	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	26.38	26.33	26.37	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
40	QPSK	1	1	26.42	26.36	26.32	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	26.32	26.33	26.43	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	633500	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	26.36	26.38	26.41	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630500	633334	633768	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	26.42	26.33	26.37	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	633334	Tune-up limit (dBm)	MPR (dB)
				3452.01	3500.01	3542.01		
10	QPSK	1	1	26.35	26.31	26.34	27.0	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)				3750	3750	3750			
100	PI2 BPSK	1	1		22.85				
100	PI2 BPSK	1	137		22.80		24.0	0.0	
100	PI2 BPSK	1	271		22.74				
100	PI2 BPSK	135	0		22.85		24.0	0.0	
100	PI2 BPSK	135	69		22.73		24.0	0.0	
100	PI2 BPSK	135	138		22.84		24.0	0.0	
100	PI2 BPSK	270	0		22.75		24.0	0.0	
100	QPSK	1	1		22.89				
100	QPSK	1	137		22.81		24.0	0.0	
100	QPSK	1	271		22.72				
100	QPSK	135	0		22.75		23.5	0.5	
100	QPSK	135	69		22.83		24.0	0.0	
100	QPSK	135	138		22.75		23.5	0.5	
100	QPSK	270	0		22.85		22.0	2.0	
100	16QAM	1	1		22.25		22.0	2.0	
100	64QAM	1	1		20.83		22.0	4.0	
100	256QAM	1	1		19.01		22.0	4.0	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		22.71	22.84	22.79	24.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		22.81	22.73	22.89	24.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		22.53	22.79	22.66	24.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		22.73	22.80	22.80	24.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		22.78	22.75	22.73	24.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		22.78	22.85	22.87	24.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3715.02	3750	3785.01	24.0	0.0
Channel									
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3710.01	3750	3790.02	24.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		22.81	22.83	22.70	24.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		22.74	22.88	22.72	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.83				
100	PI2 BPSK	1	137		25.82		27.0	0.0	
100	PI2 BPSK	1	271		25.85				
100	PI2 BPSK	135	0		25.90		27.0	0.0	
100	PI2 BPSK	135	69		25.96		27.0	0.0	
100	PI2 BPSK	135	138		25.91		27.0	0.0	
100	PI2 BPSK	270	0		25.87		27.0	0.0	
100	QPSK	1	1		25.97				
100	QPSK	1	137		25.90		27.0	0.0	
100	QPSK	1	271		25.94				
100	QPSK	135	0		25.83		27.0	0.0	
100	QPSK	135	69		25.93		27.0	0.0	
100	QPSK	135	138		25.84		27.0	0.0	
100	QPSK	270	0		25.94		27.0	0.0	
100	16QAM	1	1		25.58		25.5	1.5	
100	64QAM	1	1		24.18		25.5	1.5	
100	256QAM	1	1		22.28		23.5	3.5	
Channel									
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		25.83	25.83	25.83	27.0	0.0
Channel									
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		25.91	25.83	25.79	27.0	0.0
Channel									
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		25.81	25.85	25.81	27.0	0.0
Channel									
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		25.91	25.85	25.83	27.0	0.0
Channel									
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		25.91	25.94	25.83	27.0	0.0
Channel									
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		25.78	25.83	25.81	27.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3715.02	3750	3785.01	27.0	0.0
Channel									
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3710.01	3750	3790.02	27.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		25.78	25.91	25.77	27.0	0.0
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		25.80	25.91	25.77	27.0	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)					350.01				
100	PI2 BPSK	1	1		23.22				
100	PI2 BPSK	1	137		23.18		24.0	0.0	
100	PI2 BPSK	1	271		23.29				
100	PI2 BPSK	135	0		23.22		24.0	0.0	
100	PI2 BPSK	135	69		23.30		24.0	0.0	
100	PI2 BPSK	135	138		23.29		24.0	0.0	
100	PI2 BPSK	270	0		23.17		24.0	0.0	
100	QPSK	1	1		23.32				
100	QPSK	1	137		23.21		24.0	0.0	
100	QPSK	1	271		23.17				
100	QPSK	135	0		23.18		23.5	0.5	
100	QPSK	135	69		23.23		24.0	0.0	
100	QPSK	135	138		23.17		23.5	0.5	
100	QPSK	270	0		23.26		22.0	2.0	
100	16QAM	1	1		23.13		22.0	2.0	
100	64QAM	1	1		21.58		22.0	4.0	
100	256QAM	1	1		19.48		22.0	4.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		23.17	23.23	23.18	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		23.15	23.24	23.21	24.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		23.22	23.29	23.14	24.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		23.09	23.22	23.19	24.0	0.0
Channel									
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		23.10	23.20	23.19	24.0	0.0
Channel									
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		23.22	23.20	23.17	24.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		3465	3500.01	3535.02	24.0	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		3460.02	3500.01	3540	24.0	0.0
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		23.23	23.26	23.20	24.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		23.14	23.15	23.25	24.0	0.0



Part27Q n78 PC2 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq. 633334	High Ch. Freq.		
Channel					3000.01			
Frequency (MHz)					3000.01			
100	PI2 BPSK	1	1	28.24			27.0	0.0
100	PI2 BPSK	1	137	28.33				
100	PI2 BPSK	1	271	28.28				
100	PI2 BPSK	135	0	28.22			27.0	0.0
100	PI2 BPSK	135	69	28.32			27.0	0.0
100	PI2 BPSK	135	138	28.27			27.0	0.0
100	PI2 BPSK	270	0	28.25				
100	QPSK	1	1	28.38				
100	QPSK	1	137	28.25			27.0	0.0
100	QPSK	1	271	28.25				
100	QPSK	135	0	28.30			27.0	0.0
100	QPSK	135	69	28.35			27.0	0.0
100	QPSK	135	138	28.32			27.0	0.0
100	QPSK	270	0	28.23				
100	16QAM	1	1	28.18			27.0	0.0
100	64QAM	1	1	25.20			25.5	1.5
100	256QAM	1	1	23.16			23.5	3.5
Channel				633000	633334	633668		
Frequency (MHz)				3485	3000.01	3005.02		
90	QPSK	1	1	28.16	28.26	28.22	27.0	0.0
Channel				632068	633334	634000		
Frequency (MHz)				3480.02	3000.01	3010		
80	QPSK	1	1	28.24	28.24	28.24	27.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3000.01	3115.01		
70	QPSK	1	1	28.22	28.29	28.29	27.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3000.01	3020.02		
60	QPSK	1	1	28.20	28.26	28.18	27.0	0.0
Channel				631000	633334	635000		
Frequency (MHz)				3475.02	3000.01	3025		
50	QPSK	1	1	28.28	28.29	28.28	27.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3480.01	3000.01	3028.01		
40	QPSK	1	1	28.18	28.23	28.29	27.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3485	3000.01	3035.02		
30	QPSK	1	1	28.24	28.34	28.29	27.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3480.02	3000.01	3040		
20	QPSK	1	1	28.22	28.27	28.20	27.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3475.15	3000.01	3042.02		
15	QPSK	1	1	28.18	28.35	28.28	27.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3480.01	3000.01	3043.01		
10	QPSK	1	1	28.25	28.32	28.27	27.0	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									
				370000	376000	380000			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.58	21.43	21.32			
20	PI2 BPSK	1	53	21.24	21.38	21.28	23.0	0.0	
20	PI2 BPSK	1	104	21.21	21.33	21.29			
20	PI2 BPSK	50	0	21.16	21.29	21.15	23.0	0.0	
20	PI2 BPSK	50	28	21.29	21.41	21.27	23.0	0.0	
20	PI2 BPSK	50	56	21.18	21.32	21.25	23.0	0.0	
20	PI2 BPSK	100	0	21.30	21.37	21.32			
20	QPSK	1	1	21.42	21.48	21.31			
20	QPSK	1	53	21.23	21.37	21.34	23.0	0.0	
20	QPSK	1	104	21.40	21.43	21.34			
20	QPSK	50	0	21.29	21.33	21.27	23.0	0.0	
20	QPSK	50	28	21.36	21.41	21.27	23.0	0.0	
20	QPSK	50	56	21.22	21.28	21.22	23.0	0.0	
20	QPSK	100	0	21.28	21.34	21.23			
20	16QAM	1	1	21.23	21.32	21.18	23.0	0.0	
20	64QAM	1	1	20.09	20.21	20.14	22.0	1.0	
20	256QAM	1	1	19.50	19.21	19.29	22.0	3.0	
Channel									
				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.32	21.38	21.25	23.0	0.0	
Channel									
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.30	21.43	21.19	23.0	0.0	
Channel									
				370000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.32	21.40	21.24	23.0	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									
				166800	167300	167800			
Frequency (MHz)									
20	PI2 BPSK	1	1	21.80	21.86	21.76			
20	PI2 BPSK	1	53	21.78	21.82	21.72	23.0	0.0	
20	PI2 BPSK	1	104	21.70	21.79	21.75			
20	PI2 BPSK	50	0	21.67	21.81	21.68	23.0	0.0	
20	PI2 BPSK	50	28	21.70	21.84	21.71	23.0	0.0	
20	PI2 BPSK	50	56	21.64	21.69	21.63	23.0	0.0	
20	PI2 BPSK	100	0	21.73	21.77	21.65			
20	QPSK	1	1	21.86	21.91	21.80			
20	QPSK	1	53	21.78	21.88	21.78	23.0	0.0	
20	QPSK	1	104	21.72	21.82	21.76			
20	QPSK	50	0	21.72	21.76	21.72	23.0	0.0	
20	QPSK	50	28	21.75	21.83	21.77	23.0	0.0	
20	QPSK	50	56	21.62	21.74	21.59	23.0	0.0	
20	QPSK	100	0	21.70	21.76	21.72			
20	16QAM	1	1	21.62	21.72	21.63	23.0	0.0	
20	64QAM	1	1	21.42	21.51	21.37	23.0	0.0	
20	256QAM	1	1	20.63	20.68	20.56	22.0	1.0	
Channel									
				162000	162300	162300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	21.78	21.85	21.73	23.0	0.0	
Channel									
				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	21.78	21.80	21.66	23.0	0.0	
Channel									
				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.72	21.87	21.75	23.0	0.0	

n7 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									
				506000	507000	510000			
Frequency (MHz)									
40	PI2 BPSK	1	1	22.18	22.23	22.14			
40	PI2 BPSK	1	108	22.07	22.14	22.00	23.0	0.0	
40	PI2 BPSK	1	214	22.06	22.11	21.99			
40	PI2 BPSK	108	0	22.03	22.17	22.10	23.0	0.0	
40	PI2 BPSK	108	54	22.09	22.21	22.13	23.0	0.0	
40	PI2 BPSK	108	108	22.08	22.16	22.04	23.0	0.0	
40	PI2 BPSK	216	0	22.14	22.20	22.16			
40	QPSK	1	1	22.13	22.26	22.21			
40	QPSK	1	108	22.08	22.20	22.17	23.0	0.0	
40	QPSK	1	214	22.11	22.14	22.09			
40	QPSK	108	0	21.97	22.10	21.97	23.0	0.0	
40	QPSK	108	54	22.14	22.17	22.07	23.0	0.0	
40	QPSK	108	108	21.93	22.02	21.94	23.0	0.0	
40	QPSK	216	0	21.94	22.05	22.04			
40	16QAM	1	1	21.69	21.83	21.76	22.0	1.0	
40	64QAM	1	1	21.05	21.09	20.96	22.0	1.0	
40	256QAM	1	1	19.53	19.63	19.56	20.0	3.0	
Channel									
				503000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	22.15	22.15	22.11	23.0	0.0	
Channel									
				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	22.11	22.20	22.14	23.0	0.0	
Channel									
				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	PI2 BPSK	1	1	22.08	22.11	22.18	23.0	0.0	
Channel									
				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.07	22.18	22.10	23.0	0.0	
Channel									
				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.11	22.21	22.11	23.0	0.0	
Channel									
				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.13	22.22	22.15	23.0	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									
				141300	141600	141700			
Frequency (MHz)									
15	PI2 BPSK	1	1	21.52	21.56	21.76			
15	PI2 BPSK	1	49	21.64	21.71	21.86	23.0	0.0	
15	PI2 BPSK	1	77	21.49	21.59	21.46			
15	PI2 BPSK	36	0	21.75	21.87	21.73	23.0	0.0	
15	PI2 BPSK	36	22	21.63	21.76	21.65	23.0	0.0	
15	PI2 BPSK	36	43	21.64	21.69	21.66	23.0	0.0	
15	PI2 BPSK	75	0	21.71	21.79	21.70			
15	QPSK	1	1	21.87	21.95	21.82			
15	QPSK	1	49	21.76	21.83	21.74	23.0	0.0	
15	QPSK	1	77	21.70	21.79	21.97			
15	QPSK	36	0	21.64	21.73	21.60	23.0	0.0	
15	QPSK	36	22	21.83	21.86	21.79	23.0	0.0	
15	QPSK	36	43	21.62	21.73	21.64	23.0	0.0	
15	QPSK	75	0	21.72	21.76	21.74			
15	16QAM	1	1	21.53	21.63	21.52	23.0	0.0	
15	64QAM	1	1	20.83	20.93	20.89	22.0	1.0	
15	256QAM	1	1	19.53	19.41	19.29	23.0	3.0	
Channel									
				142000	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	794	707.5	711	23.0	0.0	
Channel									
				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.79	21.81	21.72	23.0	0.0	

n13 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									
				156400	156400				
Frequency (MHz)									
10	PI2 BPSK	1	1	21.84					
10	PI2 BPSK	1	26	21.79			23.0	0.0	
10	PI2 BPSK	1	50	21.72					
10	PI2 BPSK	25	0	20.93			22.5	0.5	
10	PI2 BPSK	25	14	21.86			23.0	0.0	
10	PI2 BPSK	25	27	21.76			22.5	0.5	
10	PI2 BPSK	50	0	21.81					
10	QPSK	1	1	21.94					
10	QPSK	1	26	21.87			23.0	0.0	
10	QPSK	1	50	21.83					
10	QPSK	25	0	20.89			22.0	1.0	
10	QPSK	25	14	21.89			23.0	0.0	
10	QPSK	25	27	21.13			22.0	1.0	
10	QPSK	50	0	21.16					
10	16QAM	1	1	20.71			22.0	1.0	
10	64QAM	1	1	19.53			20.5	2.5	
10	256QAM	1	1	18.22			18.5	4.5	
Channel									
				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	779.5	782	784.5	23.0	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									
				158600	158600				
Frequency (MHz)									
10	PI2 BPSK	1	1	21.98					
10	PI2 BPSK	1	26	21.90			23.0	0.0	
10	PI2 BPSK	1	50	21.86					
10	PI2 BPSK	25	0	21.89			23.0	0.0	
10	PI2 BPSK	25	14	21.95			23.0	0.0	
10	PI2 BPSK	25	27	21.86			23.0	0.0	
10	PI2 BPSK	50	0	21.93					
10	QPSK	1	1	22.04					
10	QPSK	1	26	22.01			23.0	0.0	
10	QPSK	1	50	21.96					
10	QPSK	25	0	21.94			23.0	0.0	
10	QPSK	25	14	21.99			23.0	0.0	
10	QPSK	25	27	21.87			23.0	0.0	
10	QPSK	50	0	21.94					
10	16QAM	1	1	21.88			23.0	0.0	
10	64QAM	1	1	20.85			22.0	1.0	
10	256QAM	1	1	19.09			20.0	3.0	
Channel									
				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	790.5	793	795.5	23.0	0.0	



n25 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	21.39	21.43	21.33		
40	PI2 BPSK	1	108	21.32	21.37	21.22	23.0	0.0
40	PI2 BPSK	1	214	21.34	21.40	21.28		
40	PI2 BPSK	108	0	21.35	21.39	21.32	23.0	0.0
40	PI2 BPSK	108	54	21.38	21.40	21.38	23.0	0.0
40	PI2 BPSK	108	108	21.31	21.34	21.27	23.0	0.0
40	PI2 BPSK	216	0	21.28	21.38	21.26		
40	QPSK	1	1	21.49	21.52	21.45		
40	QPSK	1	108	21.37	21.48	21.40	23.0	0.0
40	QPSK	1	214	21.30	21.42	21.34		
40	QPSK	108	0	21.32	21.38	21.29	23.0	0.0
40	QPSK	108	54	21.42	21.49	21.38	23.0	0.0
40	QPSK	108	108	21.38	21.41	21.37	23.0	0.0
40	QPSK	216	0	21.38	21.44	21.33		
40	16QAM	1	1	21.33	21.37	21.26	23.0	0.0
40	64QAM	1	1	20.32	20.42	20.37	22.0	1.0
40	256QAM	1	1	19.07	19.13	19.00	20.0	3.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.42	21.47	21.35	23.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1892.5		
25	QPSK	1	1	21.35	21.41	21.39	23.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1902		
20	QPSK	1	1	21.39	21.43	21.33	23.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.34	21.40	21.31	23.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.45	21.49	21.36	23.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.36	21.43	21.38	23.0	0.0

n26 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	22.07	22.11	22.02		
20	PI2 BPSK	1	53	21.88	21.95	21.80	23.0	0.0
20	PI2 BPSK	1	104	21.85	21.91	21.80		
20	PI2 BPSK	50	0	21.87	21.99	21.88	23.0	0.0
20	PI2 BPSK	50	26	21.94	22.06	21.94	23.0	0.0
20	PI2 BPSK	50	55	21.83	21.91	21.81	23.0	0.0
20	PI2 BPSK	100	0	21.92	22.01	21.95		
20	QPSK	1	1	22.03	22.15	22.04		
20	QPSK	1	53	21.99	22.10	22.07	23.0	0.0
20	QPSK	1	104	21.91	22.05	21.94		
20	QPSK	50	0	21.87	22.01	21.92	23.0	0.0
20	QPSK	50	28	22.08	22.12	22.06	23.0	0.0
20	QPSK	50	56	21.92	21.99	21.93	23.0	0.0
20	QPSK	100	0	22.02	22.08	21.94		
20	16QAM	1	1	21.64	21.75	21.69	23.0	0.0
20	64QAM	1	1	20.96	21.11	21.08	22.0	1.0
20	256QAM	1	1	19.32	19.41	19.32	20.0	3.0
Channel				165300	166300	166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.02	22.08	21.95	23.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				818	831.5	844		
10	QPSK	1	1	21.97	22.03	21.88	23.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815	831.5	846.5		
5	QPSK	1	1	21.95	22.01	21.91	23.0	0.0



n30 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					2310				
Frequency (MHz)									
10	PI/2 BPSK	1	1	2173					
10	PI/2 BPSK	1	26	2179			23.0	0.0	
10	PI/2 BPSK	1	50	2173					
10	PI/2 BPSK	25	0	2169			23.0	0.0	
10	PI/2 BPSK	25	14	2169			23.0	0.0	
10	PI/2 BPSK	25	27	2168			23.0	0.0	
10	PI/2 BPSK	50	0	2165					
10	QPSK	1	1	2185					
10	QPSK	1	26	2181			23.0	0.0	
10	QPSK	1	50	2174					
10	QPSK	25	0	2171			23.0	0.0	
10	QPSK	25	14	2181			23.0	0.0	
10	QPSK	25	27	2167			23.0	0.0	
10	QPSK	50	0	2172					
10	16QAM	1	1	2169			23.0	0.0	
10	64QAM	1	1	2073			22.0	1.0	
10	256QAM	1	1	1837			22.0	3.0	
Channel					46190	46200	46250	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					2307.5	2310	2312.5		
5	QPSK	1	1	2179	2178	2179	23.0	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	352000		
Frequency (MHz)									
40	PI/2 BPSK	1	1	2167	2173	2181			
40	PI/2 BPSK	1	108	2149	2181	2155	23.0	0.0	
40	PI/2 BPSK	1	214	2158	2183	2180			
40	PI/2 BPSK	108	0	2150	2159	2148	23.0	0.0	
40	PI/2 BPSK	108	54	2185	2170	2156	23.0	0.0	
40	PI/2 BPSK	108	108	2150	2158	2152	23.0	0.0	
40	PI/2 BPSK	216	0	2159	2164	2152			
40	QPSK	1	1	2167	2179	2174			
40	QPSK	1	108	2182	2172	2183	23.0	0.0	
40	QPSK	1	214	2157	2187	2154			
40	QPSK	108	0	2157	2182	2157	23.0	0.0	
40	QPSK	108	54	2182	2174	2180	23.0	0.0	
40	QPSK	108	108	2180	2188	2155	23.0	0.0	
40	QPSK	216	0	2167	2171	2184			
40	16QAM	1	1	2152	2183	2152	23.0	0.0	
40	64QAM	1	1	2082	2097	2093	22.0	1.0	
40	256QAM	1	1	1932	1977	1988	23.0	3.0	
Channel					352000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1725	1745	1765		
30	QPSK	1	1	2184	2170	2180	23.0	0.0	
Channel					345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1777.5	1745	1772.5		
15	QPSK	1	1	2164	2175	2154	23.0	0.0	
Channel					343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1715	1745	1775		
10	QPSK	1	1	2180	2173	2182	23.0	0.0	
Channel					352500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1712.5	1745	1777.5		
5	QPSK	1	1	2152	2171	2188	23.0	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					1702.5				
Frequency (MHz)									
15	PI/2 BPSK	1	1	2150					
15	PI/2 BPSK	1	40	2187			23.0	0.0	
15	PI/2 BPSK	1	77	2182					
15	PI/2 BPSK	36	0	2134			22.5	0.5	
15	PI/2 BPSK	36	22	2186			23.0	0.0	
15	PI/2 BPSK	36	43	2126			22.5	0.5	
15	PI/2 BPSK	75	0	2132					
15	QPSK	1	1	2195					
15	QPSK	1	40	2183			23.0	0.0	
15	QPSK	1	77	2186					
15	QPSK	36	0	2135			22.0	1.0	
15	QPSK	36	22	2188			23.0	0.0	
15	QPSK	36	43	2140			22.0	1.0	
15	QPSK	75	0	2132					
15	16QAM	1	1	2134			22.0	1.0	
15	64QAM	1	1	1988			20.5	2.5	
15	256QAM	1	1	1752			18.5	4.5	
Channel					345000	345000	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1700	1702.5	1705		
10	QPSK	1	1	2184	2192	2181	23.0	0.0	
Channel					335000	345000	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					1697.5	1702.5	1707.5		
5	QPSK	1	1	2181	2188	2183	23.0	0.0	



n71 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.07	22.18	22.14		
20	PI/2 BPSK	1	53	22.04	22.11	21.99	23.0	0.0
20	PI/2 BPSK	1	104	21.91	22.06	21.99		
20	PI/2 BPSK	50	0	21.88	22.02	21.90	23.0	0.0
20	PI/2 BPSK	50	28	22.02	22.15	22.07	23.0	0.0
20	PI/2 BPSK	50	56	22.03	22.07	21.98		
20	PI/2 BPSK	100	0	21.97	22.12	22.01	23.0	0.0
20	QPSK	1	1	22.14	22.22	22.08		
20	QPSK	1	53	22.10	22.16	22.12	23.0	0.0
20	QPSK	1	104	21.93	22.06	21.97		
20	QPSK	50	0	21.97	22.11	22.00	23.0	0.0
20	QPSK	50	28	22.08	22.17	22.03	23.0	0.0
20	QPSK	50	56	21.91	22.06	21.99		
20	QPSK	100	0	22.03	22.13	21.99	23.0	0.0
20	16QAM	1	1	21.96	22.09	22.02	23.0	0.0
20	64QAM	1	1	20.94	20.99	20.93	22.0	1.0
20	256QAM	1	1	19.37	19.49	19.42	23.0	3.0
Channel				133100	133100	133100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	22.05	22.15	22.00	23.0	0.0
Channel				133600	136100	136600	Tune-up limit	MPR
Frequency (MHz)				688	690.5	693	(dBm)	(dB)
10	QPSK	1	1	22.09	22.18	22.00	23.0	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				690.5	691.5	692.5	(dBm)	(dB)
5	QPSK	1	1	22.03	22.10	22.01	23.0	0.0



n38 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				516004	516000	516996			
40	PI2 BPSK	1	1	2244	2249	2242			
40	PI2 BPSK	1	53	2232	2242	2245	23.0	0.0	
40	PI2 BPSK	1	104	2219	2239	2221			
40	PI2 BPSK	50	0	2238	2248	2230	23.0	0.0	
40	PI2 BPSK	50	28	2238	2246	2231	23.0	0.0	
40	PI2 BPSK	50	56	2232	2238	2235	23.0	0.0	
40	PI2 BPSK	100	0	2237	2246	2238			
40	QPSK	1	1	2245	2257	2251			
40	QPSK	1	53	2238	2249	2240	23.0	0.0	
40	QPSK	1	104	2245	2253	2240			
40	QPSK	50	0	2237	2246	2244	23.0	0.0	
40	QPSK	50	28	2244	2254	2247	23.0	0.0	
40	QPSK	50	56	2230	2236	2224	23.0	0.0	
40	QPSK	100	0	2241	2246	2238			
40	16QAM	1	1	2227	2243	2229	23.0	0.0	
40	64QAM	1	1	2083	2086	2089	21.5	1.5	
40	256QAM	1	1	1913	1925	1911	18.5	3.5	
Channel									
Frequency (MHz)				2565.01	2595	2604.99			
25	QPSK	1	1	2239	2249	2244	0.0	0.0	
Channel									
Frequency (MHz)				516004	516000	521496			
25	QPSK	1	1	2239	2253	2246	23.0	0.0	
Channel									
Frequency (MHz)				516000	516000	520000			
20	QPSK	1	1	2237	2249	2249	23.0	0.0	
Channel									
Frequency (MHz)				515502	516000	523498			
15	QPSK	1	1	2577.51	2595	2612.49			
Channel									
Frequency (MHz)				515005	516000	525995			
10	QPSK	1	1	2239	2251	2247	23.0	0.0	

n41 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Middle Ch. F.Freq	Power High Ch. F.Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506202	506202	526000			
100	PI2 BPSK	1	1	2152	2204	2157			
100	PI2 BPSK	1	137	2190	2198	2188	23.0	0.0	
100	PI2 BPSK	1	271	2186	2195	2189			
100	PI2 BPSK	135	0	2142	2145	2138	22.5	0.5	
100	PI2 BPSK	135	69	2153	2202	2188	23.0	0.0	
100	PI2 BPSK	135	138	2137	2149	2141	22.5	0.5	
100	PI2 BPSK	270	0	2131	2140	2136			
100	QPSK	1	1	2198	2207	2203			
100	QPSK	1	137	2195	2201	2187	23.0	0.0	
100	QPSK	1	271	2194	2192	2185			
100	QPSK	135	0	2001	2106	2090	22.0	1.0	
100	QPSK	135	69	2194	2202	2199	23.0	0.0	
100	QPSK	135	138	2096	2089	2078	22.0	1.0	
100	QPSK	270	0	2076	2095	2087			
100	16QAM	1	1	2081	2096	2080	22.0	1.0	
100	64QAM	1	1	1919	1932	1928	20.5	2.5	
100	256QAM	1	1	1748	1756	1741	18.5	4.5	
Channel									
Frequency (MHz)				506202	506202	526000			
80	QPSK	1	1	2193	2204	2199	23.0	0.0	
Channel									
Frequency (MHz)				507204	516598	529998			
80	QPSK	1	1	2195	2195	2190	23.0	0.0	
Channel									
Frequency (MHz)				506202	516598	531000			
70	QPSK	1	1	2189	2200	2190	23.0	0.0	
Channel									
Frequency (MHz)				505200	516598	531998			
60	QPSK	1	1	2188	2200	2193	23.0	0.0	
Channel									
Frequency (MHz)				505202	516598	532998			
50	QPSK	1	1	2188	2198	2198	23.0	0.0	
Channel									
Frequency (MHz)				503202	516598	534000			
40	QPSK	1	1	2192	2197	2189	23.0	0.0	
Channel									
Frequency (MHz)				502200	516598	534998			
30	QPSK	1	1	2185	2201	2192	23.0	0.0	
Channel									
Frequency (MHz)				501204	516598	535998			
20	QPSK	1	1	2187	2192	2192	23.0	0.0	



n41 PC2 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				506202	518598	526900		
Frequency (MHz)				2544.01	2592.99	2640		
100	PI2 BPSK	1	1	25.17	25.21	25.09		
100	PI2 BPSK	1	137	25.07	25.17	25.04	26.0	0.0
100	PI2 BPSK	1	271	25.00	25.11	25.02		
100	PI2 BPSK	135	0	24.90	25.02	24.95	26.0	0.0
100	PI2 BPSK	135	69	25.03	25.14	25.08	26.0	0.0
100	PI2 BPSK	135	138	24.97	25.07	24.95	26.0	0.0
100	PI2 BPSK	270	0	25.03	25.11	25.00		
100	QPSK	1	1	25.25	25.28	25.16		
100	QPSK	1	137	25.16	25.20	25.08	26.0	0.0
100	QPSK	1	271	25.09	25.15	25.07		
100	QPSK	135	0	24.83	24.88	24.81	25.5	0.5
100	QPSK	135	69	25.21	25.23	25.12	26.0	0.0
100	QPSK	135	138	24.80	24.71	24.58	25.5	0.5
100	QPSK	270	0	24.84	24.80	24.59		
100	16QAM	1	1	24.47	24.61	24.50	25.5	0.5
100	64QAM	1	1	22.93	23.04	22.91	24.0	2.0
100	256QAM	1	1	20.92	21.04	20.90	22.0	4.0
Channel				510200	519598	529000		
Frequency (MHz)				2544	2592.99	2644.98		
90	QPSK	1	1	25.14	25.15	25.03	26.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	1	25.18	25.14	25.05	26.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.21	25.13	25.03	26.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2458	2592.99	2659.98		
60	QPSK	1	1	25.22	25.22	25.02	26.0	0.0
Channel				510204	519598	532000		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.17	25.17	25.10	26.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2416.01	2592.99	2680		
40	QPSK	1	1	25.15	25.25	25.03	26.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.20	25.14	25.01	26.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2606.02	2592.99	2679.99		
20	QPSK	1	1	25.16	25.21	25.01	26.0	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				638000	641666	645332		
Frequency (MHz)				3370	3624.99	3679.98		
40	PI2 BPSK	1	1	23.65	23.66	23.63		
40	PI2 BPSK	1	53	23.53	23.62	23.55	24.0	0.0
40	PI2 BPSK	1	104	23.49	23.52	23.45		
40	PI2 BPSK	50	0	23.28	23.35	23.23	23.5	0.5
40	PI2 BPSK	50	26	23.53	23.67	23.58	24.0	0.0
40	PI2 BPSK	50	55	23.14	23.18	23.14	23.5	0.5
40	PI2 BPSK	100	0	23.14	23.22	23.22		
40	QPSK	1	1	23.65	23.73	23.56		
40	QPSK	1	53	23.54	23.62	23.60	24.0	0.0
40	QPSK	1	104	23.41	23.62	23.51		
40	QPSK	50	0	22.85	22.82	22.64	23.0	1.0
40	QPSK	50	28	23.80	23.70	23.47	24.0	0.0
40	QPSK	50	56	22.57	22.69	22.64	23.0	1.0
40	QPSK	100	0	22.63	22.62	22.71		
40	16QAM	1	1	22.56	22.67	22.58	23.0	1.0
40	64QAM	1	1	21.03	21.18	21.09	21.5	2.5
40	256QAM	1	1	19.17	19.35	19.25	19.5	4.5
Channel				637000	641666	646000		
Frequency (MHz)				3665.02	3634.99	3684.99		
30	QPSK	1	1	23.16	23.22	23.03	24.0	0.0
Channel				637304	641666	646000		
Frequency (MHz)				3662.01	3624.99	3680		
20	QPSK	1	1	23.16	23.19	23.05	24.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	23.16	23.20	23.05	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.79	22.90	22.78		
100	PI2 BPSK	1	137	22.68	22.75	22.82	24.0	0.0
100	PI2 BPSK	1	271	22.83	22.78	22.65		
100	PI2 BPSK	135	0	22.27	22.32	22.26	23.5	0.5
100	PI2 BPSK	135	69	22.76	22.86	22.78	24.0	0.0
100	PI2 BPSK	135	138	22.34	22.36	22.19	23.5	0.5
100	PI2 BPSK	270	0	22.34	22.37	22.35		
100	QPSK	1	1	22.89	22.95	22.89		
100	QPSK	1	137	22.89	22.84	22.81	24.0	0.0
100	QPSK	1	271	22.68	22.76	22.67		
100	QPSK	135	0	21.90	22.10	22.00	23.0	1.0
100	QPSK	135	69	22.73	22.81	22.78	24.0	0.0
100	QPSK	135	138	21.89	22.11	21.94	23.0	1.0
100	QPSK	270	0	22.01	22.02	21.93		
100	16QAM	1	1	21.95	21.98	21.83	23.0	1.0
100	64QAM	1	1	20.32	20.40	20.38	21.5	2.5
100	256QAM	1	1	18.58	18.72	18.68	19.5	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.85	22.81	22.75	24.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
80	QPSK	1	1	22.78	22.87	22.86	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650332		
60	QPSK	1	1	22.73	22.88	22.72	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.78	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	22.84	22.91	22.83	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3965.01		
Channel								
Frequency (MHz)				647151	650000	656668		
20	QPSK	1	1	22.84	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)				647160	650000	656334		
15	QPSK	1	1	22.84	22.88	22.79	24.0	0.0
Channel								
Frequency (MHz)				647000	650000	656000		
10	QPSK	1	1	22.92	22.92	22.78	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	25.78	25.79	25.78		
100	PI2 BPSK	1	137	25.70	25.82	25.73	27.0	0.0
100	PI2 BPSK	1	271	25.86	25.72	25.56		
100	PI2 BPSK	135	0	25.84	25.59	25.61	27.0	0.0
100	PI2 BPSK	135	69	25.86	25.79	25.81	27.0	0.0
100	PI2 BPSK	135	138	25.63	25.70	25.86	27.0	0.0
100	PI2 BPSK	270	0	25.58	25.76	25.63		
100	QPSK	1	1	25.85	25.96	25.83		
100	QPSK	1	137	25.81	25.75	25.75	27.0	0.0
100	QPSK	1	271	25.59	25.75	25.71		
100	QPSK	135	0	25.24	25.38	25.40	26.5	0.5
100	QPSK	135	69	25.84	25.88	25.81	27.0	0.0
100	QPSK	135	138	25.12	25.33	25.15	26.5	0.5
100	QPSK	270	0	25.26	25.38	25.24		
100	16QAM	1	1	25.25	25.35	25.13	26.5	0.5
100	64QAM	1	1	23.83	23.75	23.52	25.0	2.0
100	256QAM	1	1	21.00	21.98	21.77	23.0	4.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.79	25.87	25.76	27.0	0.0
Channel								
Frequency (MHz)				648334	650000	652668		
80	QPSK	1	1	25.82	25.90	25.71	27.0	0.0
Channel								
Frequency (MHz)				649000	650000	650000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				649668	650000	650334		
60	QPSK	1	1	25.70	25.87	25.69	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.71	25.90	25.79	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	650000		
40	QPSK	1	1	25.79	25.80	25.87	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	3715.02	3840	3965.01		
Channel								
Frequency (MHz)				647151	650000	656668		
20	QPSK	1	1	25.88	25.92	25.75	27.0	0.0
Channel								
Frequency (MHz)				647160	650000	656334		
15	QPSK	1	1	25.81	25.79	25.71	27.0	0.0
Channel								
Frequency (MHz)				647000	650000	656000		
10	QPSK	1	1	25.80	25.87	25.72	27.0	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)						3500.01		
100	PI2 BPSK	1	1			22.41		
100	PI2 BPSK	1	137			23.32	24.0	0.0
100	PI2 BPSK	1	271			23.26		
100	PI2 BPSK	135	0			22.88	23.5	0.5
100	PI2 BPSK	135	69			23.08	24.0	0.0
100	PI2 BPSK	135	138			22.81	23.5	0.5
100	PI2 BPSK	270	0			22.74		
100	QPSK	1	1			23.45		
100	QPSK	1	137			23.30	24.0	0.0
100	QPSK	1	271			23.35		
100	QPSK	135	0			23.43	23.0	1.0
100	QPSK	135	69			23.22	24.0	0.0
100	QPSK	135	138			22.56	23.0	1.0
100	QPSK	270	0			22.53		
100	16QAM	1	1			22.15	21.5	2.5
100	64QAM	1	1			20.84	19.5	4.5
100	256QAM	1	1			18.96	18.5	4.5
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	23.29	23.30	23.31	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	23.29	23.39	23.29	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	23.34	23.38	23.34	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000		
50	QPSK	1	1	23.31	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	23.32	23.29	23.33	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	3465	3500.01	3535.01		
Channel								
Frequency (MHz)				630668	633334	636000		
20	QPSK	1	1	23.35	23.34	23.36	24.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334		
15	QPSK	1	1	23.40	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)				630000	633334	636668		
10	QPSK	1	1	23.35	23.32	23.41	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		20.54			
100	PI2 BPSK	1	271		20.32		27.0	0.0
100	PI2 BPSK	135	0		20.51			
100	PI2 BPSK	135	69		20.34		27.0	0.0
100	PI2 BPSK	135	138		20.44		27.0	0.0
100	PI2 BPSK	270	0		20.18			
100	PI2 BPSK	270	0		20.27		27.0	0.0
100	QPSK	1	1		20.00			
100	QPSK	1	137		20.36			
100	QPSK	1	271		20.30		27.0	0.0
100	QPSK	135	0		20.58		26.5	0.5
100	QPSK	135	69		20.42		27.0	0.0
100	QPSK	135	138		20.50		26.5	0.5
100	QPSK	270	0		20.15			
100	16QAM	1	1		20.02		26.5	0.5
100	64QAM	1	1		24.61		25.0	2.0
100	256QAM	1	1		22.46		23.0	4.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
90	QPSK	1	1	20.47	20.46	20.58	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	630988	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3510		
80	QPSK	1	1	20.48	20.58	20.53	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.50	20.51	20.49	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	20.56	20.47	20.56	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631863	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	20.48	20.45	20.43	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.54	20.51	20.51	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	20.56	20.52	20.53	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630988	633334	633000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	20.58	20.57	20.56	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630900	633334	633168	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.50		
15	QPSK	1	1	20.57	20.58	20.54	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3540.01		
10	QPSK	1	1	20.50	20.45	20.55	27.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		22.90			
100	PI2 BPSK	1	137		22.85		24.0	0.0
100	PI2 BPSK	1	271		22.81			
100	PI2 BPSK	135	0		22.33		23.5	0.5
100	PI2 BPSK	135	69		22.86		24.0	0.0
100	PI2 BPSK	135	138		22.32		23.5	0.5
100	PI2 BPSK	270	0		22.40			
100	QPSK	1	1		22.91		24.0	0.0
100	QPSK	1	137		22.82			
100	QPSK	1	271		22.72			
100	QPSK	135	0		22.05		23.0	1.0
100	QPSK	135	69		22.82		24.0	0.0
100	QPSK	135	138		21.90		23.0	1.0
100	QPSK	270	0		21.93			
100	16QAM	1	1		21.71		21.5	2.5
100	64QAM	1	1		20.36		19.5	4.5
100	256QAM	1	1		18.03		17.5	4.5
Channel								
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3765.01	24.0	0.0
Channel								
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.88	22.85	22.86	24.0	0.0
Channel								
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.53	22.80	22.82	24.0	0.0
Channel								
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.87	22.78	22.86	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3750	3750.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.77	22.77	22.87	24.0	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.38	22.80	22.77	24.0	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.58	22.78	22.76	24.0	0.0
Channel								
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.80	22.84	22.85	24.0	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.77	22.79	22.84	24.0	0.0
Channel								
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.90	22.75	22.86	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		25.90			
100	PI2 BPSK	1	137		25.74		27.0	0.0
100	PI2 BPSK	1	271		25.70			
100	PI2 BPSK	135	0		25.79		27.0	0.0
100	PI2 BPSK	135	69		25.87		27.0	0.0
100	PI2 BPSK	135	138		25.75		27.0	0.0
100	PI2 BPSK	270	0		25.78			
100	QPSK	1	1		25.94		27.0	0.0
100	QPSK	1	137		25.86			
100	QPSK	1	271		25.89			
100	QPSK	135	0		25.64		26.5	0.5
100	QPSK	135	69		25.88		27.0	0.0
100	QPSK	135	138		25.40		26.5	0.5
100	QPSK	270	0		25.62			
100	16QAM	1	1		25.40		25.0	0.5
100	64QAM	1	1		23.91		23.0	2.0
100	256QAM	1	1		22.07		22.0	4.0
Channel								
Frequency (MHz)				64098	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3765.01	27.0	0.0
Channel								
Frequency (MHz)				64034	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	25.91	25.90	25.91	27.0	0.0
Channel								
Frequency (MHz)				64000	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	25.88	25.79	25.82	27.0	0.0
Channel								
Frequency (MHz)				64068	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	25.85	25.80	25.78	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3750	3750.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	25.77	25.78	25.84	27.0	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	25.80	25.80	25.79	27.0	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	25.84	25.78	25.85	27.0	0.0
Channel								
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	25.86	25.89	25.78	27.0	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	25.77	25.91	25.88	27.0	0.0
Channel								
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	25.83	25.87	25.87	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		23.30			
100	PI2 BPSK	1	137		23.29		24.0	0.0
100	PI2 BPSK	1	271		23.46			
100	PI2 BPSK	135	0		23.09		23.5	0.5
100	PI2 BPSK	135	69		23.33		24.0	0.0
100	PI2 BPSK	135	138		22.99		23.5	0.5
100	PI2 BPSK	270	0		23.12			
100	QPSK	1	1		23.41		24.0	0.0
100	QPSK	1	137		23.19			
100	QPSK	1	271		23.35			
100	QPSK	135	0		22.71		23.0	1.0
100	QPSK	135	69		23.40		24.0	0.0
100	QPSK	135	138		22.81		23.0	1.0
100	QPSK	270	0		22.66			
100	16QAM	1	1		22.37		21.5	2.5
100	64QAM	1	1		21.25		19.5	4.5
100	256QAM	1	1		18.31		17.5	4.5
Channel								
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	24.0	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	23.28	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	23.34	23.39	23.25	24.0	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.32	23.34	23.39	24.0	0.0
Channel								
Frequency (MHz)				3490	3500.01	3510.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.35	23.33	23.32	24.0	0.0
Channel								
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.27	23.26	23.39	24.0	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.25	23.34	23.24	24.0	0.0
Channel								
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.33	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.28	23.31	23.26	24.0	0.0
Channel								
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.25	23.25	23.25	24.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel					3000.01			
Frequency (MHz)					3000.01			
100	PI2 BPSK	1	1	28.43				
100	PI2 BPSK	1	137	28.12			27.0	0.0
100	PI2 BPSK	1	271	28.39				
100	PI2 BPSK	135	0	28.23			27.0	0.0
100	PI2 BPSK	135	69	28.60			27.0	0.0
100	PI2 BPSK	135	138	28.12			27.0	0.0
100	PI2 BPSK	270	0	25.98				
100	QPSK	1	1	28.51				
100	QPSK	1	137	28.27			27.0	0.0
100	QPSK	1	271	28.40				
100	QPSK	135	0	25.81			26.5	0.5
100	QPSK	135	69	28.30			27.0	0.0
100	QPSK	135	138	28.89			26.5	0.5
100	QPSK	270	0	25.55				
100	16QAM	1	1	25.76			26.5	0.5
100	64QAM	1	1	24.17			25.0	2.0
100	256QAM	1	1	22.12			23.0	4.0
Channel				633000	633334	633668		
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	28.47	28.36	28.41	27.0	0.0
Channel				632068	633334	634000		
Frequency (MHz)				3480.02	3500.01	3520		
80	QPSK	1	1	28.41	28.40	28.45	27.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	28.47	28.47	28.37	27.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3505.02		
60	QPSK	1	1	28.35	28.37	28.47	27.0	0.0
Channel				631000	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	28.49	28.48	28.48	27.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3480.01	3500.01	3520.01		
40	QPSK	1	1	28.41	28.43	28.47	27.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3485	3500.01	3535.02		
30	QPSK	1	1	28.38	28.47	28.42	27.0	0.0
Channel				630568	633334	635900		
Frequency (MHz)				3480.02	3500.01	3540		
20	QPSK	1	1	28.47	28.44	28.41	27.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3475.01	3500.01	3542.02		
15	QPSK	1	1	28.45	28.49	28.47	27.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3480.01	3500.01	3543.01		
10	QPSK	1	1	28.36	28.47	28.43	27.0	0.0



n2 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1660	1680	1690			
20	PI2 BPSK	1	1	21.50	21.62	21.58	23.0	0.0	
20	PI2 BPSK	1	53	21.45	21.58	21.44			
20	PI2 BPSK	1	104	21.46	21.50	21.35			
20	PI2 BPSK	50	0	21.40	21.44	21.31	23.0	0.0	
20	PI2 BPSK	50	28	21.42	21.54	21.42	23.0	0.0	
20	PI2 BPSK	50	56	21.44	21.49	21.44	23.0	0.0	
20	PI2 BPSK	100	0	21.46	21.51	21.39	23.0	0.0	
20	QPSK	1	1	21.54	21.66	21.57			
20	QPSK	1	53	21.61	21.64	21.54	23.0	0.0	
20	QPSK	1	104	21.68	21.55	21.43			
20	QPSK	50	0	21.50	21.59	21.46	23.0	0.0	
20	QPSK	50	28	21.51	21.61	21.49	23.0	0.0	
20	QPSK	50	56	21.39	21.52	21.49	23.0	0.0	
20	QPSK	100	0	21.46	21.55	21.44	23.0	0.0	
20	16QAM	1	1	21.33	21.46	21.32	23.0	0.0	
20	64QAM	1	1	20.83	20.70	20.57	22.0	1.0	
20	256QAM	1	1	18.54	18.01	18.48	23.0	3.0	
Channel									
Frequency (MHz)				1897.5	1880	1902.5			
15	QPSK	1	1	21.49	21.61	21.51	23.0	0.0	
Channel									
Frequency (MHz)				37000	376000	381000			
10	QPSK	1	1	21.40	21.60	21.53	23.0	0.0	
Channel									
Frequency (MHz)				370000	376000	381500			
5	QPSK	1	1	21.43	21.58	21.54	23.0	0.0	

n5 Default Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				166800	167300	167800			
20	PI2 BPSK	1	1	22.58	22.62	22.53	24.0	0.0	
20	PI2 BPSK	1	53	22.42	22.53	22.49			
20	PI2 BPSK	1	104	22.38	22.46	22.34			
20	PI2 BPSK	50	0	22.39	22.47	22.42	24.0	0.0	
20	PI2 BPSK	50	28	22.50	22.55	22.48	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.44	22.40	24.0	0.0	
20	PI2 BPSK	100	0	22.44	22.50	22.38	24.0	0.0	
20	QPSK	1	1	22.61	22.65	22.59			
20	QPSK	1	53	22.45	22.56	22.42	24.0	0.0	
20	QPSK	1	104	22.43	22.48	22.34			
20	QPSK	50	0	22.47	22.57	22.51	24.0	0.0	
20	QPSK	50	28	22.55	22.62	22.57	24.0	0.0	
20	QPSK	50	56	22.40	22.52	22.40	24.0	0.0	
20	QPSK	100	0	22.47	22.56	22.51	24.0	0.0	
20	16QAM	1	1	22.34	22.41	22.28	24.0	0.0	
20	64QAM	1	1	22.27	22.38	22.25	24.0	0.0	
20	256QAM	1	1	21.71	21.81	21.73	23.0	3.0	
Channel									
Frequency (MHz)				162300	162300	162300			
15	QPSK	1	1	22.55	22.61	22.50	24.0	0.0	
Channel									
Frequency (MHz)				166800	167300	168300			
10	QPSK	1	1	22.59	22.60	22.50	24.0	0.0	
Channel									
Frequency (MHz)				166800	167300	169300			
5	QPSK	1	1	22.50	22.58	22.48	24.0	0.0	

n7 DS16_Simultaneous Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506000	507000	510000			
40	PI2 BPSK	1	1	19.85	19.98	19.83			
40	PI2 BPSK	1	108	19.96	20.00	19.94	20.9	0.0	
40	PI2 BPSK	1	214	19.85	20.02	19.94			
40	PI2 BPSK	108	0	19.84	19.87	19.86	20.9	0.0	
40	PI2 BPSK	108	54	19.99	20.02	19.91	20.9	0.0	
40	PI2 BPSK	108	108	19.98	20.04	19.92	20.9	0.0	
40	PI2 BPSK	216	0	19.94	19.99	19.92			
40	QPSK	1	1	19.91	20.06	19.96			
40	QPSK	1	108	19.78	19.86	19.84	20.9	0.0	
40	QPSK	1	214	19.94	19.93				
40	QPSK	108	0	19.82	19.89	19.78	20.9	0.0	
40	QPSK	108	54	19.87	19.88	19.84	20.9	0.0	
40	QPSK	108	108	19.81	19.90	19.78	20.9	0.0	
40	QPSK	216	0	19.94	20.00	19.92			
40	16QAM	1	1	19.98	20.02	19.91	20.9	0.0	
40	64QAM	1	1	19.85	19.96	19.91	20.9	0.0	
40	256QAM	1	1	18.78	18.86	18.88	20.0	3.0	
Channel									
Frequency (MHz)				520000	521000	521000			
30	QPSK	1	1	19.79	19.98	19.90	20.9	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	19.88	19.94	19.82	20.9	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	19.78	19.89	19.84	20.9	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	19.75	19.98	19.84	20.0	0.0	
Channel									
Frequency (MHz)				520500	521000	523000			
10	QPSK	1	1	19.77	19.90	19.89	20.9	0.0	
Channel									
Frequency (MHz)				500500	507000	513000			
5	QPSK	1	1	19.83	19.90	19.83	20.9	0.0	



n25 Default Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel										
Frequency (MHz)				1870	1882.5	1895				
40	PI/2 BPSK	1	1	21.48	21.53	21.44				
40	PI/2 BPSK	1	108	21.32	21.41	21.36	23.0	0.0		
40	PI/2 BPSK	1	214	21.32	21.43	21.34				
40	PI/2 BPSK	108	0	21.42	21.52	21.45	23.0	0.0		
40	PI/2 BPSK	108	54	21.39	21.46	21.43	23.0	0.0		
40	PI/2 BPSK	108	108	21.38	21.45	21.39	23.0	0.0		
40	PI/2 BPSK	216	0	21.33	21.41	21.28				
40	QPSK	1	1	21.62	21.66	21.57				
40	QPSK	1	108	21.43	21.54	21.49	23.0	0.0		
40	QPSK	1	214	21.41	21.48	21.40				
40	QPSK	108	0	21.48	21.55	21.47	23.0	0.0		
40	QPSK	108	54	21.53	21.58	21.48	23.0	0.0		
40	QPSK	108	108	21.38	21.46	21.39	23.0	0.0		
40	QPSK	216	0	21.47	21.51	21.43				
40	16QAM	1	1	21.23	21.32	21.18	23.0	0.0		
40	64QAM	1	1	20.43	20.47	20.35	22.0	1.0		
40	256QAM	1	1	18.58	18.07	18.88	23.0	3.0		
Channel										
Frequency (MHz)				1885	1892.5	1900	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	21.50	21.52	21.45	23.0	0.0		
Channel										
Frequency (MHz)				372000	376500	380500	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	21.55	21.61	21.47	23.0	0.0		
Channel										
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	21.53	21.58	21.44	23.0	0.0		
Channel										
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	21.56	21.62	21.49	23.0	0.0		
Channel										
Frequency (MHz)				1885	1892.5	1910	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	21.55	21.57	21.53	23.0	0.0		
Channel										
Frequency (MHz)				370500	376500	380500	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	1	21.48	21.56	21.52	23.0	0.0		

n30 DSI6_Simultaneous Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel										
Frequency (MHz)				2310						
10	PI/2 BPSK	1	1	19.41						
10	PI/2 BPSK	1	26	19.39			20.6	0.0		
10	PI/2 BPSK	1	50	19.36						
10	PI/2 BPSK	25	0	19.42			20.6	0.0		
10	PI/2 BPSK	25	14	19.43			20.6	0.0		
10	PI/2 BPSK	25	27	19.31			20.6	0.0		
10	PI/2 BPSK	50	0	19.33						
10	QPSK	1	1	19.45						
10	QPSK	1	26	19.37			20.6	0.0		
10	QPSK	1	50	19.30						
10	QPSK	25	0	19.31			20.6	0.0		
10	QPSK	25	14	19.34			20.6	0.0		
10	QPSK	25	27	19.29			20.6	0.0		
10	QPSK	50	0	19.31			20.6	0.0		
10	16QAM	1	1	19.41			20.6	0.0		
10	64QAM	1	1	19.30			20.6	0.0		
10	256QAM	1	1	18.41			23.0	0.6		
Channel										
Frequency (MHz)				461900	462000	462500	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	1	19.28	19.32	19.44	20.6	0.0		

n66 Default Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.				
Channel										
Frequency (MHz)				1730	1745	1760				
40	PI/2 BPSK	1	1	22.01	22.11	22.07				
40	PI/2 BPSK	1	108	21.97	22.07	21.94	23.0	0.0		
40	PI/2 BPSK	1	214	21.90	21.96	21.82				
40	PI/2 BPSK	108	0	21.77	21.90	21.86	23.0	0.0		
40	PI/2 BPSK	108	54	21.94	22.05	22.01	23.0	0.0		
40	PI/2 BPSK	108	108	21.85	21.89	21.82	23.0	0.0		
40	PI/2 BPSK	216	0	21.84	21.95	21.83				
40	QPSK	1	1	22.08	22.18	22.01				
40	QPSK	1	108	22.05	22.12	22.06	23.0	0.0		
40	QPSK	1	214	22.02	22.07	22.00				
40	QPSK	108	0	21.81	21.93	21.83	23.0	0.0		
40	QPSK	108	54	21.95	21.99	21.86	23.0	0.0		
40	QPSK	108	108	21.87	21.93	21.80	23.0	0.0		
40	QPSK	216	0	21.92	21.98	21.82				
40	16QAM	1	1	21.88	21.91	21.78	23.0	0.0		
40	64QAM	1	1	20.61	20.73	20.66	22.0	1.0		
40	256QAM	1	1	18.34	18.49	18.38	23.0	3.0		
Channel										
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	21.96	22.14	21.87	23.0	0.0		
Channel										
Frequency (MHz)				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	21.99	22.10	21.90	23.0	0.0		
Channel										
Frequency (MHz)				345000	349000	354500	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	22.00	22.05	21.93	23.0	0.0		
Channel										
Frequency (MHz)				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	21.98	22.07	21.86	23.0	0.0		
Channel										
Frequency (MHz)				345000	349000	355500	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	1	22.01	22.04	21.91	23.0	0.0		



n70 Default Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. J. Freq.	Power Middle Ch. J. Freq.	Power High Ch. J. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1	22.08			23.0	0.0
15	PI2 BPSK	1	40	21.95				
15	PI2 BPSK	1	77	21.40				
15	PI2 BPSK	36	0	22.03			22.5	0.5
15	PI2 BPSK	36	22	22.06			23.0	0.0
15	PI2 BPSK	36	43	21.38			22.5	0.5
15	PI2 BPSK	75	0	21.45				
15	QPSK	1	1	22.11			23.0	0.0
15	QPSK	1	40	22.06				
15	QPSK	1	77	22.07				
15	QPSK	36	0	21.06			22.0	1.0
15	QPSK	36	22	22.07			23.0	0.0
15	QPSK	36	43	20.96			22.0	1.0
15	QPSK	75	0	21.14				
15	16QAM	1	1	21.18			22.0	1.0
15	64QAM	1	1	19.76			20.5	2.5
15	256QAM	1	1	17.67			18.5	4.5
Channel				340000	340500	341000	Tune-up limit	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	21.98	22.04	21.97	23.0	0.0
Channel				339500	340500	341500	Tune-up limit	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	21.97	22.03	22.01	23.0	0.0



n38 DSI6_Simultaneous Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				516004	516000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	18.44	18.60	18.52		
40	PI2 BPSK	1	53	18.42	18.51	18.52	19.5	0.0
40	PI2 BPSK	1	104	18.63	18.64	18.58		
40	PI2 BPSK	50	0	18.52	18.56	18.48	19.5	0.0
40	PI2 BPSK	50	28	18.46	18.56	18.38	19.5	0.0
40	PI2 BPSK	50	56	18.55	18.50	18.37	19.5	0.0
40	PI2 BPSK	100	0	18.44	18.60	18.51		
40	QPSK	1	1	18.61	18.66	18.51		
40	QPSK	1	53	18.57	18.60	18.46	19.5	0.0
40	QPSK	1	104	18.43	18.53	18.37		
40	QPSK	50	0	18.58	18.59	18.61	19.5	0.0
40	QPSK	50	28	18.50	18.63	18.57	19.5	0.0
40	QPSK	50	56	18.60	18.58	18.53	19.5	0.0
40	QPSK	100	0	18.38	18.52	18.32		
40	16QAM	1	1	18.48	18.55	18.44	19.5	0.0
40	64QAM	1	1	18.38	18.54	18.50	19.5	0.0
40	256QAM	1	1	18.37	18.43	18.32	19.5	0.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2585	2584.99		
30	QPSK	1	1	18.52	18.59	18.43	19.5	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.82	2585	2587.88		
25	QPSK	1	1	18.58	18.62	18.46	19.5	0.0
Channel				516000	516000	522000		
Frequency (MHz)				2580	2595	2590		
20	QPSK	1	1	18.64	18.61	18.43	19.5	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2585	2582.49		
15	QPSK	1	1	18.57	18.64	18.47	19.5	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2585	2584.98		
10	QPSK	1	1	18.57	18.60	18.47	19.5	0.0

n41 DSI6_Simultaneous Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	528600		
Frequency (MHz)				2540.01	2522.99	2540		
100	PI2 BPSK	1	1	18.52	18.64	18.47		
100	PI2 BPSK	1	137	18.60	18.63	18.47	19.5	0.0
100	PI2 BPSK	1	271	18.48	18.59	18.45		
100	PI2 BPSK	135	0	18.48	18.59	18.50	19.5	0.0
100	PI2 BPSK	135	69	18.51	18.54	18.38	19.5	0.0
100	PI2 BPSK	135	138	18.48	18.62	18.56	19.5	0.0
100	PI2 BPSK	270	0	18.51	18.56	18.40		
100	QPSK	1	1	18.53	18.67	18.52		
100	QPSK	1	137	18.55	18.59	18.45	19.5	0.0
100	QPSK	1	271	18.35	18.52	18.42		
100	QPSK	135	0	18.52	18.61	18.54	19.5	0.0
100	QPSK	135	69	18.54	18.64	18.58	19.5	0.0
100	QPSK	135	138	18.46	18.58	18.50	19.5	0.0
100	QPSK	270	0	18.45	18.50	18.41		
100	16QAM	1	1	18.50	18.53	18.38	19.5	0.0
100	64QAM	1	1	18.45	18.48	18.43	19.5	0.0
100	256QAM	1	1	17.64	17.72	17.61	18.5	0.0
Channel				510500	518598	529596		
Frequency (MHz)				2541	2522.99	2544.98		
90	QPSK	1	1	18.46	18.60	18.41	19.5	0.0
Channel				507204	518598	529596		
Frequency (MHz)				2538.02	2522.99	2548.99		
80	QPSK	1	1	18.37	18.57	18.48	19.5	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2522.99	2525		
70	QPSK	1	1	18.43	18.53	18.40	19.5	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2528	2522.99	2529.98		
60	QPSK	1	1	18.47	18.64	18.38	19.5	0.0
Channel				504204	518598	532996		
Frequency (MHz)				2521.02	2522.99	2524.99		
50	QPSK	1	1	18.46	18.57	18.40	19.5	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2522.99	2520		
40	QPSK	1	1	18.40	18.50	18.48	19.5	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2522.99	2524.98		
30	QPSK	1	1	18.43	18.59	18.44	19.5	0.0
Channel				501204	518598	535996		
Frequency (MHz)				2506.02	2522.99	2529.99		
20	QPSK	1	1	18.50	18.62	18.50	19.5	0.0



n41 PC2 DSI6_Simultaneous Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518598	526000			
Frequency (MHz)				2544.01	2592.99	2640			
100	PI2 BPSK	1	1	21.44	21.52	21.39			
100	PI2 BPSK	1	137	21.34	21.44	21.27	22.5	0.0	
100	PI2 BPSK	1	271	21.50	21.52	21.37			
100	PI2 BPSK	135	0	21.43	21.51	21.47	22.5	0.0	
100	PI2 BPSK	135	69	21.28	21.46	21.37	22.5	0.0	
100	PI2 BPSK	135	138	21.35	21.49	21.46			
100	PI2 BPSK	270	0	21.41	21.48	21.43	22.5	0.0	
100	QPSK	1	1	21.39	21.56	21.44			
100	QPSK	1	137	21.28	21.46	21.35	22.5	0.0	
100	QPSK	1	271	21.41	21.50	21.48			
100	QPSK	135	0	21.28	21.40	21.38	22.5	0.0	
100	QPSK	135	69	21.29	21.45	21.28	22.5	0.0	
100	QPSK	135	138	21.35	21.42	21.31	22.5	0.0	
100	QPSK	270	0	21.40	21.48	21.37			
100	16QAM	1	1	21.43	21.50	21.34	22.5	0.0	
100	64QAM	1	1	21.36	21.41	21.24	22.5	0.0	
100	256QAM	1	1	20.04	20.12	20.05	22.0	0.5	
Channel				510000	519598	529098			
Frequency (MHz)				2544	2592.99	2644.98			
90	QPSK	1	1	21.26	21.42	21.42	22.5	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2638.02	2692.99	2648.99			
80	QPSK	1	1	21.22	21.48	21.30	22.5	0.0	
Channel				506002	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.30	21.52	21.41	22.5	0.0	
Channel				505000	518598	531998			
Frequency (MHz)				2458	2592.99	2659.98			
60	QPSK	1	1	21.30	21.41	21.30	22.5	0.0	
Channel				510000	518598	532000			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.34	21.51	21.30	22.5	0.0	
Channel				503002	518598	534000			
Frequency (MHz)				2416.01	2592.99	2670			
40	QPSK	1	1	21.32	21.46	21.33	22.5	0.0	
Channel				502000	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.42	21.52	21.25	22.5	0.0	
Channel				501004	518598	535998			
Frequency (MHz)				2606.02	2692.99	2679.99			
20	QPSK	1	1	21.32	21.41	21.30	22.5	0.0	

n48 Part96 DSI6_Simultaneous Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	20.44	20.40	20.34			
40	PI2 BPSK	1	53	20.45	20.44	20.34	21.6	0.0	
40	PI2 BPSK	1	104	20.30	20.42	20.38			
40	PI2 BPSK	50	0	20.42	20.43	20.28	21.6	0.0	
40	PI2 BPSK	50	26	20.40	20.47	20.34	21.6	0.0	
40	PI2 BPSK	50	55	20.30	20.37	20.37	21.6	0.0	
40	PI2 BPSK	100	0	20.38	20.44	20.32			
40	QPSK	1	1	20.40	20.49	20.46			
40	QPSK	1	53	20.28	20.28	20.28	21.6	0.0	
40	QPSK	1	104	20.42	20.45	20.45			
40	QPSK	50	0	20.32	20.40	20.27	21.6	0.0	
40	QPSK	50	28	20.32	20.43	20.32	21.6	0.0	
40	QPSK	50	56	20.31	20.38	20.35	21.6	0.0	
40	QPSK	100	0	20.30	20.33	20.29			
40	16QAM	1	1	20.32	20.35	20.28	21.6	0.0	
40	64QAM	1	1	20.40	20.38	20.21	21.5	0.1	
40	256QAM	1	1	19.10	19.21	19.20	19.5	2.1	
Channel				637000	641666	645000			
Frequency (MHz)				3665.02	3694.99	3684.99			
30	QPSK	1	1	20.21	20.32	20.32	21.6	0.0	
Channel				637000	641666	646000			
Frequency (MHz)				3660.01	3624.99	3650			
20	QPSK	1	1	20.23	20.32	20.32	21.6	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	20.20	20.30	20.29	21.6	0.0	



Part270 n77 DSI6_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3760	3840	3920		
100	PI2 BPSK	1	1	18.41	18.56	18.43		
100	PI2 BPSK	1	137	18.43	18.57	18.46	20.0	0.0
100	PI2 BPSK	1	271	18.47	18.64	18.59		
100	PI2 BPSK	135	0	18.45	18.61	18.55	20.0	0.0
100	PI2 BPSK	135	69	18.43	18.59	18.45	20.0	0.0
100	PI2 BPSK	135	138	18.41	18.56	18.39	20.0	0.0
100	PI2 BPSK	270	0	18.52	18.56	18.50		
100	QPSK	1	1	18.56	18.74	18.67		
100	QPSK	1	137	18.63	18.69	18.56	20.0	0.0
100	QPSK	1	271	18.61	18.65	18.57		
100	QPSK	135	0	18.60	18.63	18.50	20.0	0.0
100	QPSK	135	69	18.60	18.65	18.62	20.0	0.0
100	QPSK	135	138	18.51	18.59	18.45	20.0	0.0
100	QPSK	270	0	18.56	18.56	18.51		
100	16QAM	1	1	18.42	18.57	18.54	20.0	0.0
100	64QAM	1	1	18.47	18.56	18.41	20.0	0.0
100	256QAM	1	1	18.28	18.44	18.30	19.5	0.5
Channel								
Frequency (MHz)				4500	4500	4500	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.36	18.56	18.53	20.0	0.0
Channel				48334	49000	49268	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.31	18.64	18.52	20.0	0.0
Channel				64900	65000	65000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.31	18.58	18.53	20.0	0.0
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.33	18.58	18.57	20.0	0.0
Channel				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.35	18.60	18.55	20.0	0.0
Channel				64800	65000	65400	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.36	18.60	18.56	20.0	0.0
Channel				64768	65000	66434	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.32	18.56	18.51	20.0	0.0
Channel				64734	65000	66668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.37	18.63	18.56	20.0	0.0
Channel				64700	65000	66834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.34	18.56	18.54	20.0	0.0
Channel				64700	65000	66500	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.33	18.59	18.57	20.0	0.0

Part270 n77 PC2 DSI6_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3760	3840	3920		
100	PI2 BPSK	1	1	21.57	21.59	21.56		
100	PI2 BPSK	1	137	21.50	21.65	21.57	23.0	0.0
100	PI2 BPSK	1	271	21.53	21.67	21.62		
100	PI2 BPSK	135	0	21.57	21.59	21.48	23.0	0.0
100	PI2 BPSK	135	69	21.50	21.62	21.52	23.0	0.0
100	PI2 BPSK	135	138	21.57	21.61	21.56	23.0	0.0
100	PI2 BPSK	270	0	21.60	21.64	21.57		
100	QPSK	1	1	21.59	21.62	21.63		
100	QPSK	1	137	21.48	21.58	21.48	23.0	0.0
100	QPSK	1	271	21.48	21.59	21.55		
100	QPSK	135	0	21.58	21.65	21.50	23.0	0.0
100	QPSK	135	69	21.60	21.73	21.64	23.0	0.0
100	QPSK	135	138	21.50	21.61	21.56	23.0	0.0
100	QPSK	270	0	21.53	21.66	21.64		
100	16QAM	1	1	21.60	21.72	21.69	23.0	0.0
100	64QAM	1	1	21.54	21.60	21.47	23.0	0.0
100	256QAM	1	1	21.46	21.51	21.36	23.0	0.0
Channel								
Frequency (MHz)				4500	4500	4500	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	21.49	21.77	21.61	23.0	0.0
Channel				64834	65000	66268	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.54	21.74	21.58	23.0	0.0
Channel				64900	65000	65000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.51	21.77	21.59	23.0	0.0
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	21.57	21.79	21.61	23.0	0.0
Channel				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.52	21.76	21.57	23.0	0.0
Channel				64800	65000	66400	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.50	21.79	21.53	23.0	0.0
Channel				64768	65000	66434	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.53	21.80	21.58	23.0	0.0
Channel				64734	65000	66668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.55	21.78	21.60	23.0	0.0
Channel				64700	65000	66834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.57	21.78	21.55	23.0	0.0
Channel				64700	65000	66500	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.55	21.73	21.53	23.0	0.0

Part27Q n77 DSI6_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			18.74		
100	PI2 BPSK	1	137			18.82	20.0	0.0
100	PI2 BPSK	1	271			18.79		
100	PI2 BPSK	135	0			18.81	20.0	0.0
100	PI2 BPSK	135	69			18.80	20.0	0.0
100	PI2 BPSK	135	138			18.78	20.0	0.0
100	PI2 BPSK	270	0			18.83		
100	QPSK	1	1			18.98		
100	QPSK	1	137			18.86	20.0	0.0
100	QPSK	1	271			18.74		
100	QPSK	135	0			18.78	20.0	0.0
100	QPSK	135	69			18.89	20.0	0.0
100	QPSK	135	138			18.85	20.0	0.0
100	QPSK	270	0			18.97		
100	16QAM	1	1			18.86	20.0	0.0
100	64QAM	1	1			18.88	20.0	0.0
100	256QAM	1	1			18.74	19.5	0.5
Channel								
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.72	18.77	18.72	20.0	0.0
Channel				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.73	18.79	18.74	20.0	0.0
Channel				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.71	18.77	18.73	20.0	0.0
Channel				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.70	18.74	18.75	20.0	0.0
Channel				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.69	18.77	18.68	20.0	0.0
Channel				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.69	18.78	18.74	20.0	0.0
Channel				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.68	18.78	18.72	20.0	0.0
Channel				63034	63334	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.73	18.75	18.69	20.0	0.0
Channel				62900	63334	63668	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.72	18.75	18.74	20.0	0.0
Channel				63334	63334	63634	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.68	18.72	18.71	20.0	0.0



Part27Q n77 PC2 DSI6_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		21.91	3500.01		
100	PI2 BPSK	1	137		21.89		23.0	0.0
100	PI2 BPSK	1	271		21.89			
100	PI2 BPSK	135	0		21.85		23.0	0.0
100	PI2 BPSK	135	69		21.86		23.0	0.0
100	PI2 BPSK	135	138		21.82		23.0	0.0
100	PI2 BPSK	270	0		21.84			
100	QPSK	1	1		21.92			
100	QPSK	1	137		21.91		23.0	0.0
100	QPSK	1	271		21.86			
100	QPSK	135	0		21.83		23.0	0.0
100	QPSK	135	69		21.85		23.0	0.0
100	QPSK	135	138		21.82		23.0	0.0
100	QPSK	270	0		21.92			
100	16QAM	1	1		21.80		23.0	0.0
100	64QAM	1	1		21.85		23.0	0.0
100	256QAM	1	1		21.75		23.0	0.0
Channel								
Frequency (MHz)								
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3505.02		
80	QPSK	1	1	21.87	21.81	21.77	23.0	0.0
Channel								
Frequency (MHz)								
				63688	63334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3503.03	3510		
80	QPSK	1	1	21.87	21.86	21.85	23.0	0.0
Channel								
Frequency (MHz)								
				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.82	21.83	21.78	23.0	0.0
Channel								
Frequency (MHz)								
				63200	63334	63488	Tune-up limit (dBm)	MPR (dB)
				3480	3500.01	3520.02		
60	QPSK	1	1	21.82	21.81	21.83	23.0	0.0
Channel								
Frequency (MHz)								
				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
				3475.02	3500.01	3525		
50	QPSK	1	1	21.82	21.80	21.84	23.0	0.0
Channel								
Frequency (MHz)								
				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3520.01		
40	QPSK	1	1	21.85	21.77	21.81	23.0	0.0
Channel								
Frequency (MHz)								
				63100	63334	63688	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3535.02		
30	QPSK	1	1	21.81	21.83	21.80	23.0	0.0
Channel								
Frequency (MHz)								
				63068	63334	63500	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	QPSK	1	1	21.85	21.83	21.83	23.0	0.0
Channel								
Frequency (MHz)								
				63030	63334	63618	Tune-up limit (dBm)	MPR (dB)
				3455.03	3500.01	3545.03		
15	QPSK	1	1	21.84	21.77	21.84	23.0	0.0
Channel								
Frequency (MHz)								
				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
				3450.01	3500.01	3545.01		
10	QPSK	1	1	21.83	21.82	21.82	23.0	0.0



Part270 n78 DSI6_Simultaneous Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3750	3750	3750			
100	PI2 BPSK	1	137		18.15				
100	PI2 BPSK	1	271		18.09		20.0	0.0	
100	PI2 BPSK	1	271		18.11				
100	PI2 BPSK	135	0		18.11		20.0	0.0	
100	PI2 BPSK	135	69		18.19		20.0	0.0	
100	PI2 BPSK	135	138		18.16		20.0	0.0	
100	PI2 BPSK	270	0		18.10		20.0	0.0	
100	QPSK	1	1		18.21				
100	QPSK	1	137		18.13		20.0	0.0	
100	QPSK	1	271		18.05				
100	QPSK	135	0		18.04		20.0	0.0	
100	QPSK	135	69		18.16		20.0	0.0	
100	QPSK	135	138		18.13		20.0	0.0	
100	QPSK	270	0		18.12		20.0	0.0	
100	16QAM	1	1		18.17		20.0	0.0	
100	64QAM	1	1		18.08		20.0	0.0	
100	256QAM	1	1		18.01		18.5	0.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	64988	65000	65034	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3745.02	3750	3765.04	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	64934	65000	65068	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.04	18.11	18.09	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	3735	3750	3765	20.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	64868	65000	65134	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	3730.02	3750	3770.01	20.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.08	18.15	18.03	20.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	64834	65000	65068	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	3725.01	3750	3775.02	20.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.08	18.10	18.06	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	64800	65000	65000	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3720	3750	3780	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.06	18.10	18.03	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3715.02	3750	3765.01	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.06	18.13	18.01	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	64734	65000	65268	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3710.01	3750	3760.02	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.02	18.10	18.02	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3705	3750	3795	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.04	18.13	18.05	20.0	0.0	

Part270 n78 PC2 DSI6_Simultaneous Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3750	3750	3750			
100	PI2 BPSK	1	137		21.14				
100	PI2 BPSK	1	271		21.10		23.0	0.0	
100	PI2 BPSK	1	271		21.11				
100	PI2 BPSK	135	0		21.08		23.0	0.0	
100	PI2 BPSK	135	69		21.08		23.0	0.0	
100	PI2 BPSK	135	138		21.02		23.0	0.0	
100	PI2 BPSK	270	0		21.11		23.0	0.0	
100	QPSK	1	1		21.20				
100	QPSK	1	137		21.06		23.0	0.0	
100	QPSK	1	271		21.04				
100	QPSK	135	0		21.03		23.0	0.0	
100	QPSK	135	69		21.10		23.0	0.0	
100	QPSK	135	138		21.09		23.0	0.0	
100	QPSK	270	0		21.12		23.0	0.0	
100	16QAM	1	1		21.15		23.0	0.0	
100	64QAM	1	1		21.03		23.0	0.0	
100	256QAM	1	1		21.02		23.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	64988	65000	65034	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3745.02	3750	3765.04	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	64934	65000	65068	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.03	21.11	21.07	23.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.05	21.14	21.09	23.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	64868	65000	65134	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	3730.02	3750	3770.01	20.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.04	21.16	21.04	23.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	64834	65000	65068	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	3725.01	3750	3775.02	20.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.05	21.16	21.06	23.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	64800	65000	65000	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3720	3750	3780	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.02	21.09	21.05	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	64768	65000	65234	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3715.02	3750	3765.01	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.03	21.14	21.07	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	64734	65000	65268	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3710.01	3750	3760.02	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.03	21.13	21.02	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3705	3750	3795	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.06	21.16	21.05	23.0	0.0	

Part27Q n78 DSI6_Simultaneous Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		350.01				
100	PI2 BPSK	1	137		18.14				
100	PI2 BPSK	1	271		18.17		20.0	0.0	
100	PI2 BPSK	1	271		18.08				
100	PI2 BPSK	135	0		18.06		20.0	0.0	
100	PI2 BPSK	135	69		18.10		20.0	0.0	
100	PI2 BPSK	135	138		18.15		20.0	0.0	
100	PI2 BPSK	270	0		18.04		20.0	0.0	
100	QPSK	1	1		18.25				
100	QPSK	1	137		18.12		20.0	0.0	
100	QPSK	1	271		18.02				
100	QPSK	135	0		18.04		20.0	0.0	
100	QPSK	135	69		18.18		20.0	0.0	
100	QPSK	135	138		18.08		20.0	0.0	
100	QPSK	270	0		18.06		20.0	0.0	
100	16QAM	1	1		18.14		20.0	0.0	
100	64QAM	1	1		18.02		20.0	0.0	
100	256QAM	1	1		17.96		18.5	0.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63354	63398	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3495	3500.01	3505.02	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63268	63334	63400	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.09	18.18	18.04	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63234	63334	63434	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1							



Part27Q n78 PC2 DSI6_Simultaneous Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					3000.01				
Frequency (MHz)					21.18				
100	PI2 BPSK	1	1		21.19		23.0	0.0	
100	PI2 BPSK	1	137		21.07				
100	PI2 BPSK	1	271		21.16		23.0	0.0	
100	PI2 BPSK	135	0		21.13		23.0	0.0	
100	PI2 BPSK	135	69		21.15		23.0	0.0	
100	PI2 BPSK	135	138		21.09				
100	PI2 BPSK	270	0		21.24				
100	QPSK	1	1		21.09		23.0	0.0	
100	QPSK	1	137		21.17				
100	QPSK	1	271		21.19		23.0	0.0	
100	QPSK	135	0		21.14		23.0	0.0	
100	QPSK	135	69		21.05				
100	QPSK	135	138		21.21		23.0	0.0	
100	QPSK	270	0		21.08		23.0	0.0	
100	16QAM	1	1		21.02		23.0	0.0	
100	64QAM	1	1		3485	3000.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668			
Frequency (MHz)					21.09	21.08	21.17	23.0	0.0
90	QPSK	1	1		632068	633334	634000	Tune-up limit (dBm)	MPR (dB)
Channel				3480.02	3000.01	3500			
Frequency (MHz)					21.06	21.09	21.13	23.0	0.0
80	QPSK	1	1		632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Channel				3485.01	3000.01	3515.01			
Frequency (MHz)					21.05	21.09	21.15	23.0	0.0
70	QPSK	1	1		632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Channel				3480	3000.01	3500.02			
Frequency (MHz)					21.06	21.10	21.11	23.0	0.0
60	QPSK	1	1		631000	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel				3475.02	3000.01	3525			
Frequency (MHz)					21.08	21.11	21.12	23.0	0.0
50	QPSK	1	1		631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel				3482.01	3000.01	3528.01			
Frequency (MHz)					21.07	21.09	21.12	23.0	0.0
40	QPSK	1	1		631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Channel				3485	3000.01	3535.02			
Frequency (MHz)					21.10	21.02	21.14	23.0	0.0
30	QPSK	1	1		630568	633334	636000	Tune-up limit (dBm)	MPR (dB)
Channel				3480.02	3000.01	3540			
Frequency (MHz)					21.10	21.11	21.13	23.0	0.0
20	QPSK	1	1		630500	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel				3475	3000.01	3542.02			
Frequency (MHz)					21.06	21.05	21.18	23.0	0.0
15	QPSK	1	1		630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel				3482.01	3000.01	3542.01			
Frequency (MHz)					21.05	21.05	21.13	23.0	0.0



n2 Default Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	23.04	23.07	22.97			
20	PI2 BPSK	1	53	22.98	23.09	22.96	24.0	0.0	
20	PI2 BPSK	1	104	22.87	22.98	22.89			
20	PI2 BPSK	50	0	22.91	22.99	22.93	24.0	0.0	
20	PI2 BPSK	50	28	22.84	22.97	22.91	24.0	0.0	
20	PI2 BPSK	50	56	22.92	22.96	22.87	24.0	0.0	
20	PI2 BPSK	100	0	22.93	22.99	22.94			
20	QPSK	1	1	23.06	23.12	22.99			
20	QPSK	1	53	23.00	23.08	22.98	24.0	0.0	
20	QPSK	1	104	22.99	23.03	22.96			
20	QPSK	50	0	22.94	23.01	22.94	24.0	0.0	
20	QPSK	50	28	23.03	23.08	22.95	24.0	0.0	
20	QPSK	50	56	22.84	22.94	22.85	24.0	0.0	
20	QPSK	100	0	22.92	23.00	22.90			
20	16QAM	1	1	22.85	22.95	22.92	24.0	0.0	
20	64QAM	1	1	21.80	22.01	21.94	23.0	1.0	
20	256QAM	1	1	19.94	20.12	20.08	21.0	3.0	
Channel									
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	22.98	23.08	22.88	24.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000			
10	QPSK	1	1	22.96	23.01	22.84	24.0	0.0	
Channel									
Frequency (MHz)				370500	376000	381500			
5	QPSK	1	1	23.02	23.04	22.98	24.0	0.0	

n7 DS16_Simultaneous Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	21.95	22.01	21.84			
40	PI2 BPSK	1	108	21.85	21.98	21.92	23.1	0.0	
40	PI2 BPSK	1	214	21.87	21.95	21.78			
40	PI2 BPSK	108	0	21.89	21.84	21.79	23.1	0.0	
40	PI2 BPSK	108	54	21.91	22.02	21.87	23.1	0.0	
40	PI2 BPSK	108	108	21.73	21.88	21.72	23.1	0.0	
40	PI2 BPSK	216	0	21.87	22.02	21.95			
40	QPSK	1	1	21.89	22.05	21.98			
40	QPSK	1	108	21.84	21.89	21.96	23.1	0.0	
40	QPSK	1	214	21.92	22.01	21.90			
40	QPSK	108	0	21.91	21.96	21.93	23.1	0.0	
40	QPSK	108	54	21.97	22.00	21.93	23.1	0.0	
40	QPSK	108	108	21.84	21.90	21.78	23.1	0.0	
40	QPSK	216	0	21.74	21.88	21.78			
40	16QAM	1	1	21.93	21.97	21.91	23.1	0.0	
40	64QAM	1	1	21.84	21.96	21.79	23.0	0.1	
40	256QAM	1	1	20.02	20.98	20.86	21.0	2.1	
Channel									
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	21.79	21.93	21.91	23.1	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
25	QPSK	1	1	21.83	21.89	21.83	23.1	0.0	
Channel									
Frequency (MHz)				502000	507000	512000			
20	PI2 BPSK	1	1	21.76	22.01	21.84	23.1	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
15	QPSK	1	1	21.81	21.94	21.88	23.1	0.0	
Channel									
Frequency (MHz)				501000	507000	513000			
10	QPSK	1	1	21.86	22.02	21.93	23.1	0.0	
Channel									
Frequency (MHz)				500500	507000	513500			
5	QPSK	1	1	21.74	21.89	21.86	23.1	0.0	

n25 Default Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	182.5	195			
40	PI2 BPSK	1	1	23.01	23.06	22.93			
40	PI2 BPSK	1	108	22.84	22.96	22.89	24.0	0.0	
40	PI2 BPSK	1	214	22.93	22.99	22.85			
40	PI2 BPSK	108	0	22.96	23.03	22.87	24.0	0.0	
40	PI2 BPSK	108	54	22.89	22.98	22.84	24.0	0.0	
40	PI2 BPSK	108	108	22.86	22.97	22.84	24.0	0.0	
40	PI2 BPSK	216	0	22.85	22.99	22.90			
40	QPSK	1	1	23.07	23.17	22.98			
40	QPSK	1	108	23.03	23.08	22.99	24.0	0.0	
40	QPSK	1	214	23.04	23.02	23.02			
40	QPSK	108	0	22.97	23.05	22.92	24.0	0.0	
40	QPSK	108	54	23.01	23.09	22.96	24.0	0.0	
40	QPSK	108	108	22.90	22.99	22.84	24.0	0.0	
40	QPSK	216	0	22.96	23.03	22.92			
40	16QAM	1	1	23.01	23.08	23.02	24.0	0.0	
40	64QAM	1	1	21.88	21.96	21.91	23.0	1.0	
40	256QAM	1	1	20.42	20.49	20.46	21.0	3.0	
Channel									
Frequency (MHz)				1865	182.5	1900			
30	QPSK	1	1	22.92	23.11	22.86	24.0	0.0	
Channel									
Frequency (MHz)				372500	376500	380500			
25	QPSK	1	1	22.99	23.05	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	381000			
20	PI2 BPSK	1	1	23.03	23.04	22.97	24.0	0.0	
Channel									
Frequency (MHz)				371500	376500	381500			
15	QPSK	1	1	23.02	23.10	22.86	24.0	0.0	
Channel									
Frequency (MHz)				1865	182.5	1910			
10	QPSK	1	1	22.99	23.08	22.93	24.0	0.0	
Channel									
Frequency (MHz)				372000	376500	382000			
5	QPSK	1	1	23.02	23.06	22.93	24.0	0.0	



n30 Default Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				2310			
10	PI2 BPSK	1	1	23.11			24.0
10	PI2 BPSK	1	26	23.05			24.0
10	PI2 BPSK	1	50	23.08			24.0
10	PI2 BPSK	25	0	22.95			24.0
10	PI2 BPSK	25	14	23.01			24.0
10	PI2 BPSK	25	27	22.97			24.0
10	PI2 BPSK	50	0	22.99			24.0
10	QPSK	1	1	23.17			24.0
10	QPSK	1	26	23.09			24.0
10	QPSK	1	50	23.04			24.0
10	QPSK	25	0	23.02			24.0
10	QPSK	25	14	23.09			24.0
10	QPSK	25	27	22.91			24.0
10	QPSK	50	0	22.95			24.0
10	16QAM	1	1	22.93			24.0
10	64QAM	1	1	21.81			23.0
10	256QAM	1	1	19.89			21.0
Channel				481500	482500		
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	23.07	23.13	23.03	24.0

n66 Default Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				1725	1745	1765	
40	PI2 BPSK	1	1	23.50	23.53	23.40	24.0
40	PI2 BPSK	1	108	23.24	23.31	23.23	24.0
40	PI2 BPSK	1	214	23.18	23.29	23.14	24.0
40	PI2 BPSK	108	0	23.18	23.23	23.10	24.0
40	PI2 BPSK	108	54	23.25	23.34	23.22	24.0
40	PI2 BPSK	108	108	23.20	23.27	23.24	24.0
40	PI2 BPSK	216	0	23.18	23.29	23.19	24.0
40	QPSK	1	1	23.49	23.58	23.47	24.0
40	QPSK	1	108	23.35	23.49	23.38	24.0
40	QPSK	1	214	23.34	23.44	23.39	24.0
40	QPSK	108	0	23.12	23.24	23.21	24.0
40	QPSK	108	54	23.33	23.46	23.39	24.0
40	QPSK	108	108	23.23	23.32	23.21	24.0
40	QPSK	216	0	23.32	23.41	23.30	24.0
40	16QAM	1	1	23.08	23.21	23.09	24.0
40	64QAM	1	1	21.96	22.09	21.98	23.0
40	256QAM	1	1	20.82	20.92	20.83	21.0
Channel				345000	346000	345000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	23.42	23.47	23.43	24.0
Channel				344000	349000	354000	
Frequency (MHz)				1725	1745	1770	
20	QPSK	1	1	23.40	23.52	23.37	24.0
Channel				343000	348000	353000	
Frequency (MHz)				1715	1745	1775	
15	QPSK	1	1	23.45	23.43	23.43	24.0
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	23.45	23.43	23.42	24.0
Channel				342000	348000	355000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.35	23.55	23.37	24.0

n70 Default Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				1725			
15	PI2 BPSK	1	1		23.53		24.0
15	PI2 BPSK	1	40		23.47		24.0
15	PI2 BPSK	1	77		23.49		24.0
15	PI2 BPSK	36	0		23.41		24.0
15	PI2 BPSK	36	22		23.48		24.0
15	PI2 BPSK	36	43		23.34		24.0
15	PI2 BPSK	75	0		23.39		24.0
15	QPSK	1	1		23.55		24.0
15	QPSK	1	40		23.46		24.0
15	QPSK	1	77		23.42		24.0
15	QPSK	36	0		23.36		24.0
15	QPSK	36	22		23.50		24.0
15	QPSK	36	43		23.39		24.0
15	QPSK	75	0		23.43		24.0
15	16QAM	1	1		21.98		23.0
15	64QAM	1	1		20.71		21.5
15	256QAM	1	1		19.10		19.5
Channel				340000	345000	341000	
Frequency (MHz)				1760	1762.5	1765	
10	QPSK	1	1	23.40	23.48	23.41	24.0
Channel				339000	345000	341000	
Frequency (MHz)				1697.5	1702.5	1707.5	
5	QPSK	1	1	23.48	23.51	23.42	24.0



n38 DSI6_Simultaneous Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				516004	516000	519996		
Frequency (MHz)				2500.02	2505	2509.98		
40	PI2 BPSK	1	1	21.63	21.68	21.60		
40	PI2 BPSK	1	33	21.43	21.55	21.40	22.6	0.0
40	PI2 BPSK	1	104	21.50	21.62	21.59		
40	PI2 BPSK	80	0	21.54	21.57	21.49	22.6	0.0
40	PI2 BPSK	50	28	21.56	21.72	21.66	22.6	0.0
40	PI2 BPSK	50	56	21.60	21.62	21.50		
40	PI2 BPSK	100	0	21.48	21.63	21.53	22.6	0.0
40	QPSK	1	1	21.81	21.85	21.62		
40	QPSK	1	53	21.62	21.61	21.47	22.6	0.0
40	QPSK	1	104	21.60	21.69	21.55		
40	QPSK	50	0	21.44	21.57	21.48	22.6	0.0
40	QPSK	50	28	21.53	21.77	21.57	22.6	0.0
40	QPSK	90	56	21.58	21.71	21.60	22.6	0.0
40	QPSK	100	0	21.56	21.50	21.50		
40	16QAM	1	1	21.51	21.63	21.54	22.6	0.0
40	64QAM	1	1	21.64	21.68	21.58	22.6	0.1
40	256QAM	1	1	20.22	20.34	20.29	20.5	2.1
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2585	2584.99		
30	QPSK	1	1	21.59	21.77	21.55	22.6	0.0
Channel				516004	516000	521496		
Frequency (MHz)				2682.83	2685	2687.18		
25	QPSK	1	1	21.58	21.77	21.61	22.6	0.0
Channel				516000	516000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	21.64	21.80	21.60	22.6	0.0
Channel				515002	519000	522498		
Frequency (MHz)				2577.51	2585	2612.49		
15	QPSK	1	1	21.54	21.77	21.56	22.6	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2585	2614.98		
10	QPSK	1	1	21.56	21.77	21.53	22.6	0.0

n41 DSI6_Simultaneous Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518998	528000		
Frequency (MHz)				2540.01	2592.99	2640		
100	PI2 BPSK	1	1	21.16	21.30	21.20		
100	PI2 BPSK	1	137	21.22	21.28	21.28	22.6	0.0
100	PI2 BPSK	1	271	21.10	21.24	21.14		
100	PI2 BPSK	135	0	21.06	21.19	21.17	22.6	0.0
100	PI2 BPSK	135	69	21.20	21.22	21.19	22.6	0.0
100	PI2 BPSK	135	138	21.09	21.22	21.15		
100	PI2 BPSK	270	0	21.25	21.31	21.19	22.6	0.0
100	QPSK	1	1	21.29	21.35	21.21		
100	QPSK	1	137	21.12	21.25	21.22	22.6	0.0
100	QPSK	1	271	21.28	21.30	21.16		
100	QPSK	135	0	21.13	21.20	21.11	22.6	0.0
100	QPSK	135	69	21.19	21.28	21.25	22.6	0.0
100	QPSK	135	138	21.11	21.26	21.09	22.6	0.0
100	QPSK	270	0	21.27	21.30	21.15		
100	16QAM	1	1	21.16	21.25	21.12	22.6	0.0
100	64QAM	1	1	20.87	20.92	20.80	22.6	1.1
100	256QAM	1	1	18.80	18.80	18.67	19.5	3.1
Channel				516000	518998	529998		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.26	21.30	21.09	22.6	0.0
Channel				507004	518998	529998		
Frequency (MHz)				2638.03	2692.99	2648.99		
80	QPSK	1	1	21.23	21.28	21.11	22.6	0.0
Channel				506002	518998	531000		
Frequency (MHz)				2531.01	2592.99	2665		
70	QPSK	1	1	21.20	21.29	21.14	22.6	0.0
Channel				505000	518998	531998		
Frequency (MHz)				2526	2592.99	2669.98		
60	QPSK	1	1	21.12	21.25	21.16	22.6	0.0
Channel				505004	518998	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.14	21.24	21.14	22.6	0.0
Channel				503002	518998	534000		
Frequency (MHz)				2516.01	2592.99	2660		
40	QPSK	1	1	21.25	21.28	21.05	22.6	0.0
Channel				502000	518998	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.22	21.25	21.09	22.6	0.0
Channel				501004	518998	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.15	21.32	21.13	22.6	0.0



n41 PC2 DSI6_Simultaneous Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				509002	518598	528000	
Frequency (MHz)				2544.01	2592.99	2640	
100	PI2 BPSK	1	1	24.29	24.38	24.21	
100	PI2 BPSK	1	137	24.22	24.35	24.19	25.6
100	PI2 BPSK	1	271	24.23	24.27	24.18	
100	PI2 BPSK	135	0	24.31	24.33	24.23	25.6
100	PI2 BPSK	135	69	24.28	24.30	24.30	25.6
100	PI2 BPSK	135	138	24.21	24.30	24.14	25.6
100	PI2 BPSK	270	0	24.18	24.32	24.16	
100	QPSK	1	1	24.36	24.41	24.31	
100	QPSK	1	137	24.26	24.36	24.30	25.6
100	QPSK	1	271	24.18	24.25	24.15	
100	QPSK	135	0	24.27	24.35	24.19	25.6
100	QPSK	135	69	24.23	24.36	24.33	25.6
100	QPSK	135	138	24.16	24.32	24.24	25.6
100	QPSK	270	0	24.21	24.35	24.19	
100	16QAM	1	1	24.22	24.29	24.24	25.6
100	64QAM	1	1	24.09	24.24	24.07	25.0
100	256QAM	1	1	21.90	22.00	21.86	23.0
Channel				510000	518598	529998	
Frequency (MHz)				2544	2592.99	2644.98	
90	QPSK	1	1	24.30	24.38	24.15	25.6
Channel				507204	518598	529998	
Frequency (MHz)				2533.01	2592.99	2649.99	
80	QPSK	1	1	24.29	24.25	24.17	25.6
Channel				506002	518598	531000	
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	24.30	24.24	24.14	25.6
Channel				505000	518598	531998	
Frequency (MHz)				2528	2592.99	2659.98	
60	QPSK	1	1	24.24	24.30	24.28	25.6
Channel				504004	518598	532000	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	24.20	24.38	24.15	25.6
Channel				503002	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	24.30	24.25	24.24	25.6
Channel				502000	518598	534998	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	24.20	24.20	24.20	25.0
Channel				501004	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	24.28	24.33	24.26	25.6

n48 DSI6_Simultaneous Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				638000	641666	645332	
Frequency (MHz)				3370	3624.99	3679.98	
40	PI2 BPSK	1	1	19.35	19.54	19.32	
40	PI2 BPSK	1	53	19.39	19.40	19.39	19.9
40	PI2 BPSK	1	104	19.38	19.50	19.55	
40	PI2 BPSK	50	0	19.07	19.29	19.09	19.9
40	PI2 BPSK	50	25	19.33	19.44	19.52	19.9
40	PI2 BPSK	50	55	19.29	19.38	19.42	19.9
40	PI2 BPSK	100	0	19.28	19.24	19.31	
40	QPSK	1	1	19.30	19.59	19.47	
40	QPSK	1	53	19.35	19.33	19.59	19.9
40	QPSK	1	104	19.25	19.25	19.17	
40	QPSK	50	0	18.91	19.27	19.32	19.9
40	QPSK	50	28	19.41	19.49	19.33	19.9
40	QPSK	50	56	19.32	19.11	18.93	19.9
40	QPSK	100	0	19.16	19.22	19.09	
40	16QAM	1	1	19.09	19.24	19.03	19.9
40	64QAM	1	1	19.09	19.31	19.27	19.9
40	256QAM	1	1	19.02	19.53	19.47	19.9
Channel				637000	641666	645000	
Frequency (MHz)				3665.02	3624.99	3684.99	
30	QPSK	1	1	19.22	19.33	19.32	19.9
Channel				637304	641666	646000	
Frequency (MHz)				3662.01	3624.99	3690	
20	QPSK	1	1	19.16	19.34	19.30	19.9
Channel				637000	641666	646332	
Frequency (MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	19.00	19.28	19.27	19.9



Part270 n77 DSI6_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	19.19	19.22	19.08		
100	PI2 BPSK	1	137	18.97	19.14	19.06	20.5	0.0
100	PI2 BPSK	1	271	19.07	19.19	19.14		
100	PI2 BPSK	135	0	18.93	19.08	19.05	20.5	0.0
100	PI2 BPSK	135	69	19.12	19.22	19.12		
100	PI2 BPSK	135	138	19.05	19.13	19.07	20.5	0.0
100	PI2 BPSK	270	0	19.08	19.20	19.05		
100	QPSK	1	1	19.23	19.25	19.13		
100	QPSK	1	137	19.08	19.16	19.02		
100	QPSK	1	271	19.09	19.17	19.11	20.5	0.0
100	QPSK	135	0	18.96	19.08	18.95	20.5	0.0
100	QPSK	135	69	19.12	19.19	19.02	20.5	0.0
100	QPSK	135	138	19.01	19.14	19.03	20.5	0.0
100	QPSK	270	0	19.18	19.21	19.07		
100	16QAM	1	1	19.15	19.17	19.03	20.5	0.0
100	64QAM	1	1	19.11	19.22	19.08	20.5	0.0
100	256QAM	1	1	19.08	19.09	19.03	19.5	1.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.08	19.14	19.08	20.5	0.0
Channel								
Frequency (MHz)				6490.00	6500.00	6510.00		
80	QPSK	1	1	19.19	19.13	18.98	20.5	0.0
Channel								
Frequency (MHz)				6490.00	6500.00	6510.00		
70	QPSK	1	1	19.12	19.11	19.04	20.5	0.0
Channel								
Frequency (MHz)				6489.02	6500.00	6513.34		
60	QPSK	1	1	19.14	19.10	19.02	20.5	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.07	19.08	18.99	20.5	0.0
Channel								
Frequency (MHz)				6480.00	6500.00	6520.00		
40	QPSK	1	1	19.16	19.21	19.02	20.5	0.0
Channel								
Frequency (MHz)				6476.68	6500.00	6533.34		
30	QPSK	1	1	19.10	19.14	19.08	20.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.08	19.21	19.04	20.5	0.0
Channel								
Frequency (MHz)				6471.68	6500.00	6543.34		
15	QPSK	1	1	19.09	19.20	18.96	20.5	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.20	19.19	19.11	20.5	0.0

Part270 n77 PC2 DSI6_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.95	21.99	21.87		
100	PI2 BPSK	1	137	21.88	22.02	21.87	23.5	0.0
100	PI2 BPSK	1	271	21.98	22.12	21.98		
100	PI2 BPSK	135	0	21.92	21.99	21.86	23.5	0.0
100	PI2 BPSK	135	69	21.96	22.00	21.88	23.5	0.0
100	PI2 BPSK	135	138	21.93	22.06	21.96	23.5	0.0
100	PI2 BPSK	270	0	21.95	22.07	21.91		
100	QPSK	1	1	22.06	22.14	21.99		
100	QPSK	1	137	21.92	21.98	21.83	23.5	0.0
100	QPSK	1	271	21.93	22.08	22.03		
100	QPSK	135	0	21.96	22.04	21.94	23.5	0.0
100	QPSK	135	69	22.03	22.07	21.95	23.5	0.0
100	QPSK	135	138	21.89	22.00	21.87	23.5	0.0
100	QPSK	270	0	21.92	21.98	21.93		
100	16QAM	1	1	22.02	22.11	22.04	23.5	0.0
100	64QAM	1	1	22.02	22.05	21.98	23.5	0.0
100	256QAM	1	1	21.83	21.92	21.80	23.0	0.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.94	22.06	21.91	23.5	0.0
Channel								
Frequency (MHz)				6490.00	6500.00	6510.00		
80	QPSK	1	1	21.89	21.98	21.95	23.5	0.0
Channel								
Frequency (MHz)				6490.00	6500.00	6510.00		
70	QPSK	1	1	21.97	22.04	21.92	23.5	0.0
Channel								
Frequency (MHz)				6489.02	6500.00	6513.34		
60	QPSK	1	1	22.01	22.06	21.86	23.5	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.03	22.09	21.87	23.5	0.0
Channel								
Frequency (MHz)				6480.00	6500.00	6520.00		
40	QPSK	1	1	21.90	22.04	21.86	23.5	0.0
Channel								
Frequency (MHz)				6476.68	6500.00	6533.34		
30	QPSK	1	1	21.83	21.98	21.83	23.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.99	22.11	21.97	23.5	0.0
Channel								
Frequency (MHz)				6471.68	6500.00	6543.34		
15	QPSK	1	1	21.95	22.00	21.82	23.5	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	21.91	21.97	21.96	23.5	0.0

Part27Q n77 DSI6_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)						3500.01		
100	PI2 BPSK	1	1			19.51		
100	PI2 BPSK	1	137			19.48	20.5	0.0
100	PI2 BPSK	1	271			19.45		
100	PI2 BPSK	135	0			19.42	20.5	0.0
100	PI2 BPSK	135	69			19.48	20.5	0.0
100	PI2 BPSK	135	138			19.47	20.5	0.0
100	PI2 BPSK	270	0			19.53		
100	QPSK	1	1			19.59		
100	QPSK	1	137			19.45	20.5	0.0
100	QPSK	1	271			19.47		
100	QPSK	135	0			19.45	20.5	0.0
100	QPSK	135	69			19.50	20.5	0.0
100	QPSK	135	138			19.48	20.5	0.0
100	QPSK	270	0			19.56		
100	16QAM	1	1			19.49	20.5	0.0
100	64QAM	1	1			19.53	20.5	0.0
100	256QAM	1	1			19.43	19.8	1.0
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	19.04	19.50	19.56	20.5	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	19.45	19.45	19.51	20.5	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	19.53	19.52	19.57	20.5	0.0
Channel								
Frequency (MHz)				3485.01	3500.01	3515.01		
60	QPSK	1	1	19.43	19.49	19.56	20.5	0.0
Channel								
Frequency (MHz)				631668	632334	633000		
50	QPSK	1	1	19.52	19.50	19.51	20.5	0.0
Channel								
Frequency (MHz)				631334	632334	633334		
40	QPSK	1	1	19.48	19.56	19.44	20.5	0.0
Channel								
Frequency (MHz)				631000	632334	633668		
30	QPSK	1	1	19.55	19.49	19.45	20.5	0.0
Channel								
Frequency (MHz)				3475.02	3500.01	3525		
20	QPSK	1	1	19.56	19.46	19.52	20.5	0.0
Channel								
Frequency (MHz)				630000	632334	634668		
15	QPSK	1	1	19.54	19.47	19.54	20.5	0.0
Channel								
Frequency (MHz)				630334	632334	634334		
10	QPSK	1	1	19.43	19.50	19.53	20.5	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								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01			
100	PI2 BPSK	1	137		22.81			0.0
100	PI2 BPSK	1	271		22.59			0.0
100	PI2 BPSK	135	0		22.80		23.5	0.0
100	PI2 BPSK	135	69		22.86		23.5	0.0
100	PI2 BPSK	135	138		22.85		23.5	0.0
100	PI2 BPSK	270	0		22.83			0.0
100	QPSK	1	1		22.70			
100	QPSK	1	197		22.56			0.0
100	QPSK	1	271		22.57			0.0
100	QPSK	135	0		22.58		23.5	0.0
100	QPSK	135	69		22.60		23.5	0.0
100	QPSK	135	138		22.58		23.5	0.0
100	QPSK	270	0		22.58			0.0
100	16QAM	1	1		22.57			0.0
100	64QAM	1	1		22.61			0.0
100	256QAM	1	1		22.58			0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.54	22.62	22.68	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	630688	633334	634000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3498.02	3500.01	3502	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634688	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.59	22.64	22.65	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	631808	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.56	22.59	22.62	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3478.01	3500.01	3528.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.62	22.62	22.63	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	636688	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.55	22.57	22.55	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	630688	633334	635000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.58	22.65	22.56	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	630900	633334	638108	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3457.5	3500.01	3547.50	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3462.01	3500.01	3542.01	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.68	22.68	22.68	Tune-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)				3750	3750	3750		
100	PI2 BPSK	1	1	19.08				
100	PI2 BPSK	1	137	19.03			20.5	0.0
100	PI2 BPSK	1	271	19.96				
100	PI2 BPSK	135	0	19.04			20.5	0.0
100	PI2 BPSK	135	69	19.09			20.5	0.0
100	PI2 BPSK	135	138	19.06			20.5	0.0
100	PI2 BPSK	270	0	19.08			20.5	0.0
100	QPSK	1	1	19.12				
100	QPSK	1	137	19.06			20.5	0.0
100	QPSK	1	271	19.05				
100	QPSK	135	0	19.00			20.5	0.0
100	QPSK	135	69	19.05			20.5	0.0
100	QPSK	135	138	19.96			20.5	0.0
100	QPSK	270	0	19.06			20.5	0.0
100	16QAM	1	1	19.09			20.5	0.0
100	64QAM	1	1	19.00			20.5	0.0
100	256QAM	1	1	19.09			19.5	1.0
Channel								
Frequency (MHz)				64998	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01	20.5	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.99	19.08	19.07	20.5	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.09	19.02	19.99	20.5	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3750	3770.01	20.5	0.0
Channel								
Frequency (MHz)				19.01	19.07	19.10	20.5	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02	20.5	0.0
50	QPSK	1	1	19.99	19.98	19.08	20.5	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.04	19.96	19.06	20.5	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	20.5	0.0
Channel								
Frequency (MHz)				19.59	19.98	19.98	20.5	0.0
Channel								
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3710.01	3750	3790.02	20.5	0.0
Channel								
Frequency (MHz)				19.03	19.07	19.98	20.5	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.06	19.09	19.01	20.5	0.0
Channel								
Frequency (MHz)				3705	3750	3795	20.5	0.0
10	QPSK	1	1	19.94	19.00	19.99	20.5	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								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	22.03				
100	PI2 BPSK	1	137	21.97			23.5	0.0
100	PI2 BPSK	1	271	21.96				
100	PI2 BPSK	135	0	22.00			23.5	0.0
100	PI2 BPSK	135	69	22.01			23.5	0.0
100	PI2 BPSK	135	138	21.94			23.5	0.0
100	PI2 BPSK	270	0	21.97			23.5	0.0
100	QPSK	1	1	22.06				
100	QPSK	1	137	21.89			23.5	0.0
100	QPSK	1	271	21.90				
100	QPSK	135	0	21.91			23.5	0.0
100	QPSK	135	69	22.02			23.5	0.0
100	QPSK	135	138	21.94			23.5	0.0
100	QPSK	270	0	21.91			23.5	0.0
100	16QAM	1	1	21.90			23.5	0.0
100	64QAM	1	1	21.81			23.5	0.0
100	256QAM	1	1	21.88			23.0	0.5
Channel								
Frequency (MHz)				64998	65000	65034	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3755.01	23.5	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.91	21.94	22.01	23.5	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.92	21.93	21.99	23.5	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3750	3770.01	23.5	0.0
Channel								
Frequency (MHz)				21.97	21.93	22.03	23.5	0.0
Channel								
Frequency (MHz)				64834	65000	65168	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.03	21.92	22.04	23.5	0.0
Channel								
Frequency (MHz)				64800	65000	65000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.92	22.00	21.97	23.5	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	23.5	0.0
Channel								
Frequency (MHz)				64734	65000	65068	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3710.01	3750	3790.02	23.5	0.0
Channel								
Frequency (MHz)				22.00	21.93	21.93	23.5	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.90	21.89	21.96	23.5	0.0
Channel								
Frequency (MHz)				3705	3750	3795	23.5	0.0
10	QPSK	1	1	22.01	21.97	22.00	23.5	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								
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1	19.52				
100	PI2 BPSK	1	137	19.42			20.5	0.0
100	PI2 BPSK	1	271	19.51				
100	PI2 BPSK	135	0	19.40			20.5	0.0
100	PI2 BPSK	135	69	19.46			20.5	0.0
100	PI2 BPSK	135	138	19.46			20.5	0.0
100	PI2 BPSK	270	0	19.51			20.5	0.0
100	QPSK	1	1	19.55				
100	QPSK	1	137	19.50			20.5	0.0
100	QPSK	1	271	19.41				
100	QPSK	135	0	19.46			20.5	0.0
100	QPSK	135	69	19.49			20.5	0.0
100	QPSK	135	138	19.45			20.5	0.0
100	QPSK	270	0	19.51			20.5	0.0
100	16QAM	1	1	19.47			20.5	0.0
100	64QAM	1	1	19.45			20.5	0.0
100	256QAM	1	1	19.39			19.5	1.0
Channel								
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	20.5	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.47	19.42	19.44	20.5	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.51	19.49	19.50	20.5	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3490	3500.01	3500.02	20.5	0.0
Channel								
Frequency (MHz)				19.45	19.48	19.47	20.5	0.0
Channel								
Frequency (MHz)				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.49	19.45	19.45	20.5	0.0
Channel								
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.42	19.45	19.48	20.5	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3485	3500.01	3505.01	20.5	0.0
Channel								
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.50	19.40	19.45	20.5	0.0
Channel								
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.45	19.43	19.46	20.5	0.0
Channel								
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.39	19.44	19.47	20.5	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					3000.01				
Frequency (MHz)					22.62				
100	PI2 BPSK	1	1	22.62					
100	PI2 BPSK	1	137	22.56			23.5	0.0	
100	PI2 BPSK	1	271	22.58					
100	PI2 BPSK	135	0	22.61			23.5	0.0	
100	PI2 BPSK	135	69	22.59					
100	PI2 BPSK	135	138	22.61			23.5	0.0	
100	PI2 BPSK	270	0	22.54					
100	QPSK	1	1	22.67					
100	QPSK	1	137	22.64			23.5	0.0	
100	QPSK	1	271	22.62					
100	QPSK	135	0	22.53			23.5	0.0	
100	QPSK	135	69	22.57					
100	QPSK	135	138	22.50			23.5	0.0	
100	QPSK	270	0	22.50					
100	16QAM	1	1	22.51					
100	16QAM	1	1	22.48					
100	25QAM	1	1	22.43			23.0	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3485	3000.01	3005.02			
90	QPSK	1	1	22.55	22.57	22.57			
Channel				630068	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3480.02	3000.01	3010	(dBm)	(dB)	
80	QPSK	1	1	22.53	22.63	22.62			
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3000.01	3191.01	(dBm)	(dB)	
70	QPSK	1	1	22.61	22.54	22.64			
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3000.01	3000.02	(dBm)	(dB)	
60	QPSK	1	1	22.65	22.58	22.58			
Channel				631000	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3000.01	3025	(dBm)	(dB)	
50	QPSK	1	1	22.58	22.62	22.53			
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3480.01	3000.01	3028.01	(dBm)	(dB)	
40	QPSK	1	1	22.55	22.63	22.64			
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3485	3000.01	3035.02	(dBm)	(dB)	
30	QPSK	1	1	22.52	22.61	22.62			
Channel				630068	633334	635900	Tune-up limit	MPR	
Frequency (MHz)				3480.02	3000.01	3040	(dBm)	(dB)	
20	QPSK	1	1	22.82	22.58	22.61			
Channel				630000	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3475.01	3000.01	3042.02	(dBm)	(dB)	
15	QPSK	1	1	22.60	22.54	22.61			
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3480.01	3000.01	3040.01	(dBm)	(dB)	
10	QPSK	1	1	22.54	22.63	22.64			



Art 5-4		Full Power Bodywork for Standalone Bodywork for Simultaneous DBS only Externally for Standalone Externally for Simultaneous DBS only				Head for Standalone Bodywork for Simultaneous WWAN+non-DBS Externally for Simultaneous WWAN+non-DBS		Head for Simultaneous DBS only		Head for Simultaneous WWAN+non-DBS		Head for Simultaneous WWAN+DBS		Bodywork for Simultaneous WWAN+DBS		Hotspot for Simultaneous WWAN+non-DBS		Hotspot for Simultaneous WWAN+DBS		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5900	21.20	23.00		20.50		18.50		15.50		12.50		17.50							99.32
	116	5980	21.47	23.00		20.50		18.50		15.50		12.50		17.50							
	124	6020	21.38	23.00		20.50		18.50		15.50		12.50		17.50							
	132	5960	21.52	23.00		20.50		18.50		15.50		12.50		17.50							
	140	5780	21.94	23.00		20.50		18.50		15.50		12.50		17.50							
	144	5720	21.48	23.00		20.50		18.50		15.50		12.50		17.50							
	190	5900	20.88	22.50		20.50		18.50		15.50		12.50		17.50							
	116	5980	21.05	22.50		20.50		18.50		15.50		12.50		17.50							
	124	6020	21.04	22.50		20.50		18.50		15.50		12.50		17.50							
	132	5960	21.12	22.50		20.50		18.50		15.50		12.50		17.50							
802.11n-HT20 MCS0	140	5700	21.06	22.50		20.50		18.50		15.50		12.50		17.50							100
	144	5720	21.06	22.50		20.50		18.50		15.50		12.50		17.50							
	192	5910	20.27	22.00		20.50		18.50		15.50		12.50		17.50							
	110	5950	20.20	22.00	Not Required	20.50	Not Required	18.50	Not Required	15.50	Not Required	12.50	Not Required	17.50							
	126	5630	20.34	22.00	Not Required	20.50	Not Required	18.50	Not Required	15.50	Not Required	12.50	Not Required	17.50							
	134	5670	20.53	22.00	Not Required	20.50	Not Required	18.50	Not Required	15.50	Not Required	12.50	Not Required	17.50							
	142	5710	20.45	22.00	Not Required	20.50	Not Required	18.50	Not Required	15.50	Not Required	12.50	Not Required	17.50							
	190	5900	21.01	22.50		20.50		18.50		15.50		12.50		17.50							
	118	5980	21.24	23.00		20.50		18.50		15.50		12.50		17.50							
	124	6020	21.15	22.50		20.50		18.50		15.50		12.50		17.50							
802.11ac-VHT20 MCS0	132	5660	21.28	23.00		20.50		18.50		15.50		12.50		17.50							100
	140	5700	21.28	23.00		20.50		18.50		15.50		12.50		17.50							
	144	5720	21.25	23.00		20.50		18.50		15.50		12.50		17.50							
	192	5910	20.34	22.00		20.50		18.50		15.50		12.50		17.50							
	110	5950	20.30	22.00		20.50		18.50		15.50		12.50		17.50							
	126	5630	20.53	22.00		20.50		18.50		15.50		12.50		17.50							
	134	5670	20.74	22.00		20.50		18.50		15.50		12.50		17.50							
	142	5710	20.66	22.00		20.50		18.50		15.50		12.50		17.50							
	196	5930	19.30	21.00	18.88	20.50	16.90	18.50	14.14	15.50	10.84	12.50	15.92	17.50							
	122	5610	19.50	21.00	19.11	20.50	17.16	18.50	14.14	15.50	11.13	12.50	16.12	17.50							
802.11ac-VHT80 MCS0	138	5690	19.78	21.00	19.38	20.50	17.39	18.50	14.41	15.50	11.40	12.50	16.37	17.50							100
	114	5570	18.31	20.00		20.50		18.50		15.50		12.50		17.50							
	190	5900	21.10	22.50		20.50		18.50		15.50		12.50		17.50							
	116	5980	21.38	23.00		20.50		18.50		15.50		12.50		17.50							
	124	6020	21.30	23.00		20.50		18.50		15.50		12.50		17.50							
	132	5660	21.42	23.00		20.50		18.50		15.50		12.50		17.50							
	140	5700	21.47	23.00		20.50		18.50		15.50		12.50		17.50							
	144	5720	21.41	23.00		20.50		18.50		15.50		12.50		17.50							
	192	5910	20.46	22.00	Not Required	20.50	Not Required	18.50	Not Required	15.50	Not Required	12.50	Not Required	17.50							
	110	5950	20.47	22.00	Not Required	20.50	Not Required	18.50	Not Required	15.50	Not Required	12.50	Not Required	17.50							
802.11ax-HE40 MCS0	128	6030	20.74	23.00		20.50		18.50		15.50		12.50		17.50							100
	134	5670	20.88	22.00		20.50		18.50		15.50		12.50		17.50							
	142	5710	20.88	22.00		20.50		18.50		15.50		12.50		17.50							
	196	5930	19.38	21.00		20.50		18.50		15.50		12.50		17.50							
	122	5610	19.70	21.50		20.50		18.50		15.50		12.50		17.50							
	138	5690	19.96	21.50		20.50		18.50		15.50		12.50		17.50							
	114	5570	18.46	20.00		20.50		18.50		15.50		12.50		17.50							

Art 5-4		Full Power Bodywork for Standalone Bodywork for Simultaneous DBS only Externally for Standalone Externally for Simultaneous DBS only				Head for Standalone		Head for Simultaneous DBS only Bodywork for Simultaneous WWAN+DBS		Head for Simultaneous WWAN+non-DBS		Head for Simultaneous WWAN+DBS		Bodywork for Simultaneous WWAN+non-DBS		Hotspot for Simultaneous WWAN+non-DBS		Hotspot for Simultaneous WWAN+DBS		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	21.50	23.00		21.00		19.00		16.00		13.00		22.00							99.32
	157	5785	21.74	23.50		21.00		19.00		16.00		13.00		22.00							
	165	5825	21.74	23.50		21.00		19.00		16.00		13.00		22.00							
	149	5745	21.15	23.00		21.00		19.00		16.00		13.00	Not Required	22.00							
	157	5785	21.29	23.00		21.00		19.00		16.00		13.00	Not Required	22.00							
	165	5825	21.43	23.00		21.00		19.00		16.00		13.00	Not Required	22.00							
	151	5755	20.76	22.50	Not Required	21.00	Not Required	19.00	Not Required	16.00	Not Required	13.00	20.33	22.00	Not Required	Not Required					
	159	5795	20.75	22.50	Not Required	21.00	Not Required	19.00	Not Required	16.00	Not Required	13.00	20.31	22.00	Not Required	Not Required					
	149	5745	21.34	23.00		21.00		19.00		16.00		13.00	Not Required	22.00							
	157	5785	21.50	23.00		21.00		19.00		16.00		13.00	Not Required	22.00							
802.11ac-VHT20 MCS0	165	5825	21.57	23.00		21.00		19.00		16.00		13.00		22.00							100
	151	5755	20.97	22.50		21.00		19.00		16.00		13.00		22.00							
	159	5795	20.96	22.50		21.00		19.00		16.00		13.00		22.00							
	155	5775	19.92	21.50	19.54	21.00	17.55	19.00	14.55	16.00	11.56	13.00	Not Required	21.50	18.04	19.50	15.06	16.50	16.50	100	
	149	5745	21.51	23.00		21.00		19.00		16.00		13.00	Not Required	22.00							
	157	5785	21.64	23.00		21.00		19.00		16.00		13.00	Not Required	22.00							
	165	5825	21.68	23.00	Not Required	21.00	Not Required	19.00	Not Required	16.00	Not Required	13.00	Not Required	22.00	Not Required	Not Required					
	151	5755	21.18	22.50	Not Required	21.00	Not Required	19.00	Not Required	16.00	Not Required	13.00	Not Required	22.00	Not Required	Not Required					
	159	5795	21.12	22.50	Not Required	21.00	Not Required	19.00	Not Required	16.00	Not Required	13.00	Not Required	22.00	Not Required	Not Required					
	155	5775	20.12	21.50	Not Required	21.00	Not Required	19.00	Not Required	16.00	Not Required	13.00	Not Required	22.00	Not Required	Not Required					



BR / EDR Ant 5

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	7.21	7.23	7.25	9.00
	CH 39	2441	8.53	7.98	7.99	9.00
	CH 78	2480	6.12	5.45	5.43	7.00

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.88
	CH 19	2440	7.25
	CH 39	2480	5.02
Tune-up Limit			8.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.75
	CH 19	2440	7.58
	CH 39	2480	5.07
Tune-up Limit			8.00

BR / EDR Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.42	9.97	9.96	11.00
	CH 39	2441	11.87	11.16	11.16	12.00
	CH 78	2480	9.11	8.48	8.48	10.00

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.51
	CH 19	2440	9.59
	CH 39	2480	7.36
Tune-up Limit			10.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.60
	CH 19	2440	9.71
	CH 39	2480	7.43
Tune-up Limit			10.00